Eaton's Bussmann series
IEC High speed fuse links catalogue

BUSSMANN SERIES

Leadership in fusible circuit protection

Powering Business Worldwide

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At Eaton, we believe that power is a fundamental part of just about everything people do. That's why we're dedicated to helping our customers find new ways to manage electrical, hydraulic and mechanical power more efficiently, safely and sustainably. To improve people's lives, the communities where we live and work, and the planet our future generations depend upon. Because this is what really matters. And we're here to make sure it works.

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Eaton is the leading source of fusible circuit protection solutions in the global market-place. Eaton's Bussmann series products are approved for use around the world and meet agency requirements and international standards: IEC, VDE, DIN,UL, CSA, BS and others.

The headquarters for Eaton's Bussmann series product line is located in Burton-on-the-Wolds, Leicestershire (UK) and is part of Eaton's Industrial Control and Protection EMEA division.

Eaton manufactures over 50,000 Bussmann series part numbers, covering extensive fusible circuit protection solutions for a wide range of applications: residential, industrial, motor protection, power conversion and distribution.

Eaton has been a leading exponent in the design, development and manufacture of fuse links and their associated accessories for more than 100 years and has supplied fuse links to more than 90 countries worldwide.

Eaton's team of specialist Engineers and Field Applications Engineers plays a leading role in international standardisation of fuse links offering comprehensive advice on selection and applications.

With a continual commitment to meet our customers' needs with innovative high quality ~products with ISO 9001 'approval systems', Eaton is the supplier of choice for circuit protection solutions.

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North American fuse links

130 V a.c. / V d.c. (UL) - 1000 A to 4000 A - FWA

Description

North American style flush end high speed fuse links for the protection of DC common bus, DC drives, power converters/ rectifiers and reduced rated voltage starters.



Technical data

- Rated voltage: 130 V a.c. / V d.c. (UL)
- Rated current: 1000 A to 4000 A
- Breaking capacity:
  - 200 kA RMS Sym at 130 V a.c.
  - 50 kA at 130 V d.c.

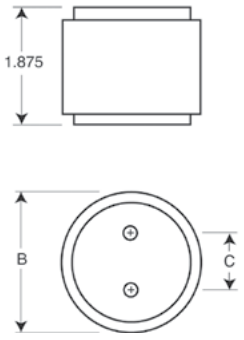
Standards / Agency information

CE, UL Recognised JFHR2.E91958 on 1000 A to 2000 A fuse links

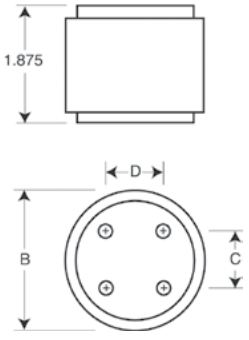
Catalogue numbers

		I^2t (A^2 Sec)			
Rated voltage	**Rated current (Amps)**	**Pre-arcing**	**Clearing at 130 V a.c.**	**Watts loss (W)**	**Catalogue numbers**
130 V a.c. / V d.c. (UL)	1000	170,000	460,000	60	FWA-1000AH
130 V a.c. / V d.c. (UL)	1200	270,000	730,000	70	FWA-1200AH
130 V a.c. / V d.c. (UL)	1500	520,000	1,400,000	78	FWA-1500AH
130 V a.c. / V d.c. (UL)	2000	860,000	2,400,000	108	FWA-2000AH
130 V a.c. / V d.c. (UL)	2500	1,500,000	4,100,000	130	FWA-2500AH
130 V a.c. / V d.c. (UL)	3000	2,100,000	5,700,000	150	FWA-3000AH
130 V a.c. / V d.c. (UL)	4000	3,400,000	9,200,000	257	FWA-4000AH

Dimensions (in) - 1000 A to 3000 A



Dimensions (in) - 4000 A



Rated current (Amps)	**B**	**C**	**D**	**Thread depth**
1000 to 2000	2	1	-	Tapped 3/8"-24 x 1/2" UNF
2500 to 3000	3	1.5	-	Tapped 1/2"-20 x 1/2" UNF
4000	3.5	1.5	1.5	Tapped 1/2"-20 x 1/2" UNF

1" = 25.4mm

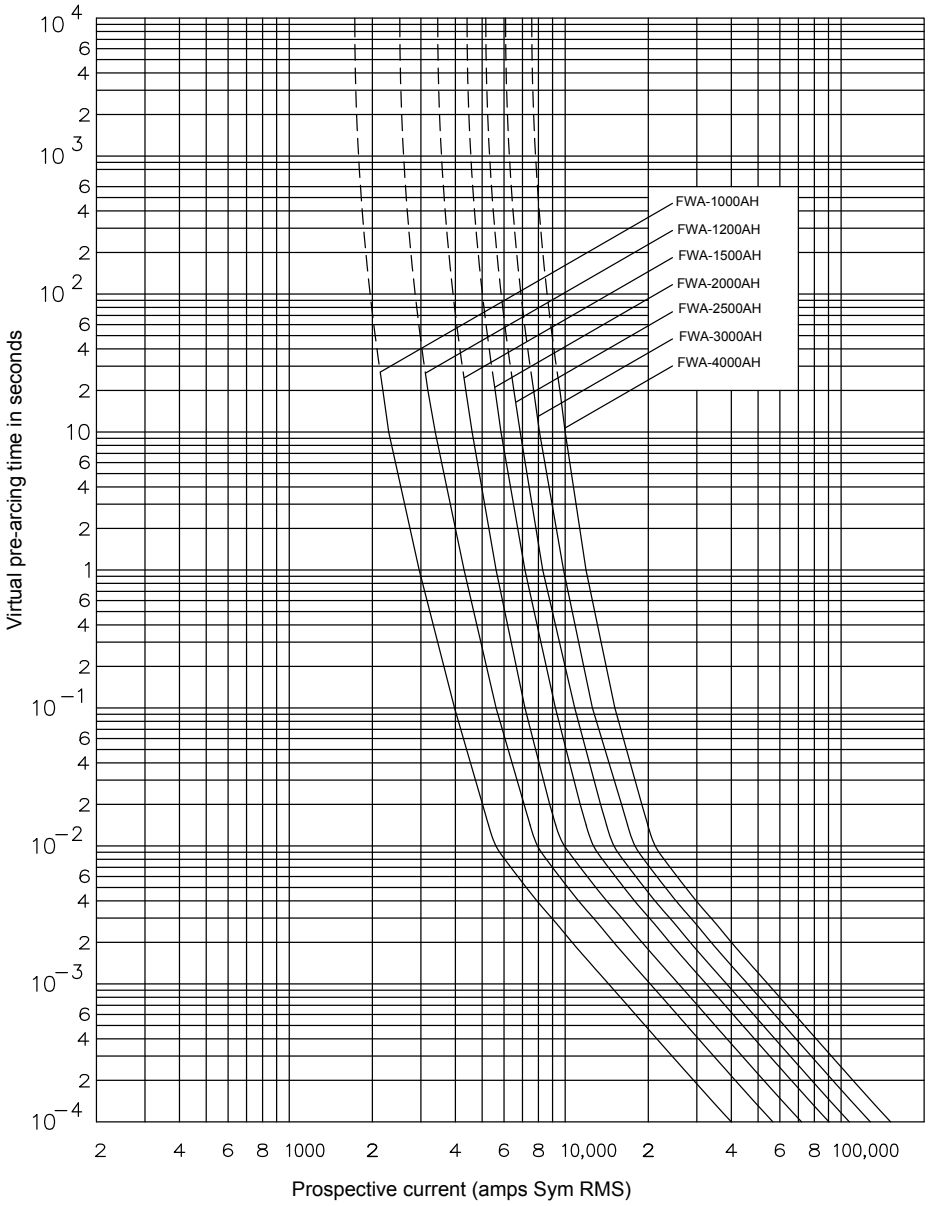
Data sheets: 720001, 5785301

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North American fuse links

130 V a.c. / V d.c. (UL) - 1000 A to 4000 A - FWA

Time-current curve - 1000 A to 4000 A

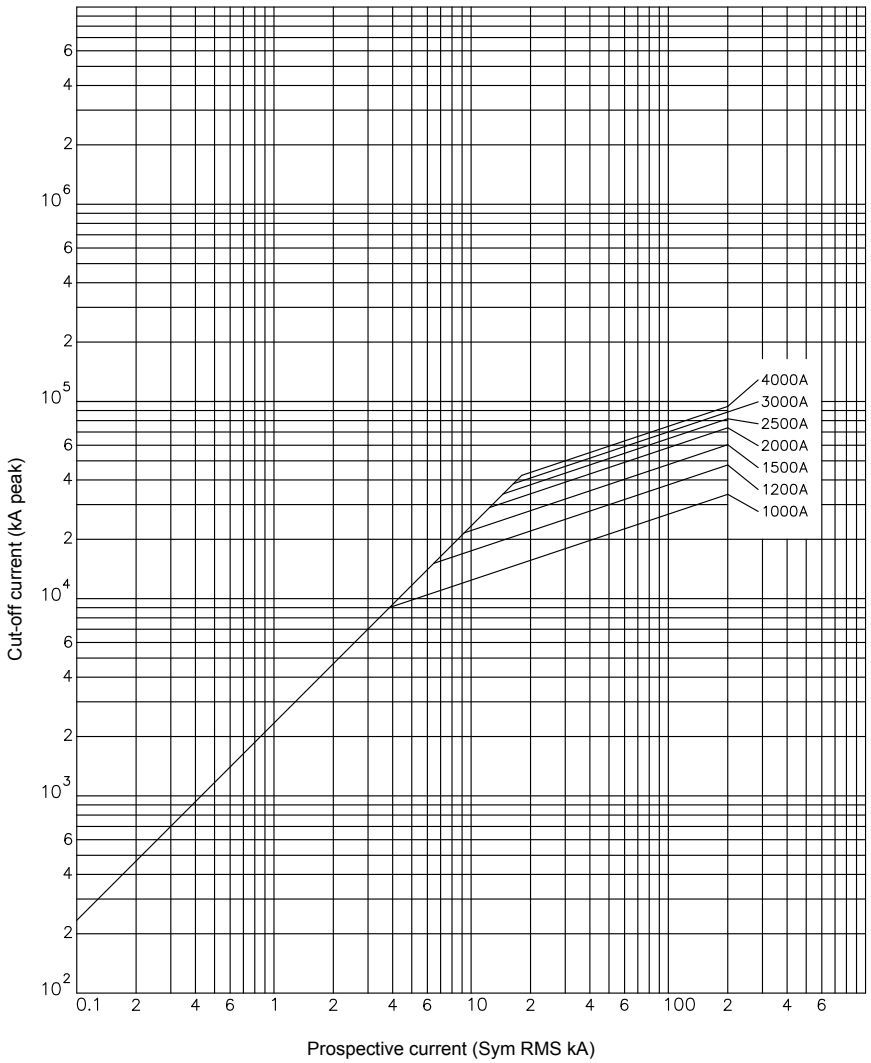


Data sheets: 720001, 5785301

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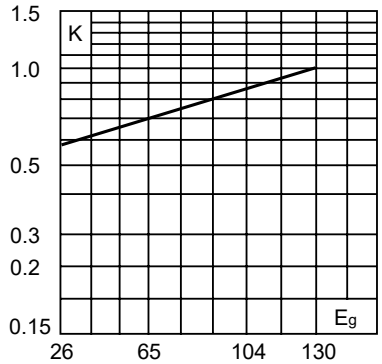
130 V a.c. / V d.c. (UL) - 1000 A to 4000 A - FWA

Cut-off curve - 1000 A to 4000 A



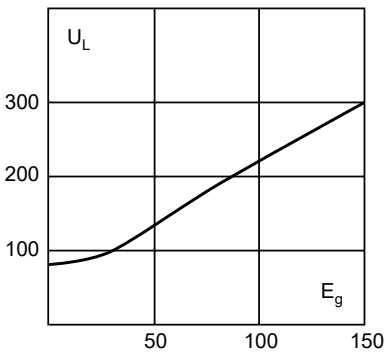
Total clearing I²t

The total clearing I²t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I²t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



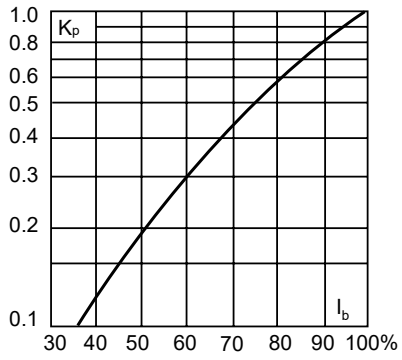
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p, is given as a function of the RMS load current, I_b, in percent of the rated current.



Data sheets: 720001, 5785301

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North American fuse links

150 V a.c. / V d.c. (UL) - 70 A to 1000 A - FWA

Description

North American style bolted tag high speed fuse links used for the protection of DC common bus, DC drives, power converters/ rectifiers and reduced rated voltage starters.



Technical Data

- Rated voltage:
  - 150 V a.c. / V d.c. (UL)
  - 80 V d.c.
- Rated current: 70 A to 1000 A
- Breaking capacity:
  - 100 kA RMS Sym. (70 A to 400 A) at 150 V a.c.
  - 200 kA RMS Sym. (500 A to 1000 A) at 150 V a.c.
  - 20 kA at 150 V a.c. / V d.c. (70 A to 800 A)
  - 100 kA at 80 V d.c. (70 A to 1000 A)

Standards / Agency information

CE, UL Recognised JFHR2.E91958

Catalogue numbers

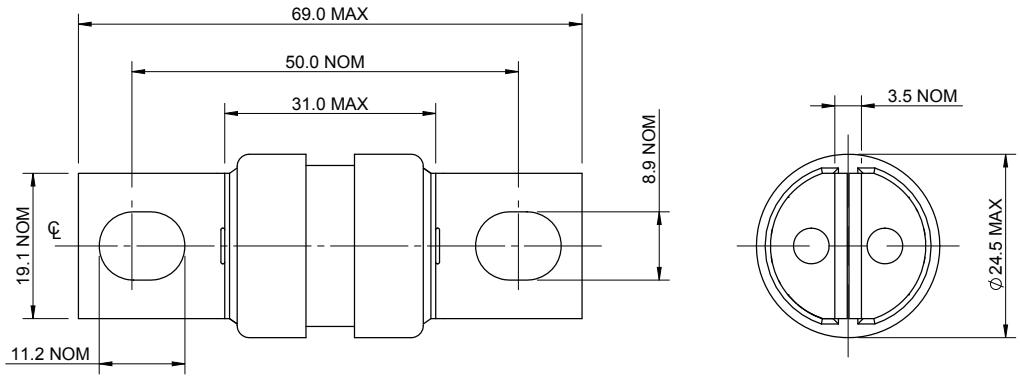
Rated voltage / Breaking capacity	Rated current (Amps)	I^2t (A^2 Sec) Pre-arcing	I^2t (A^2 Sec) Clearing at 150 V a.c.	Watts loss (W)	Catalogue numbers
150 V a.c./ 100 kA 80 V d.c. / 100 kA 150 V d.c./ 20 kA	70	470	4000	6.9	FWA-70B
	80	670	6000	7.7	FWA-80B
	100	1200	12,000	9	FWA-100B
	125	1870	18,000	11.2	FWA-125B
	150	2700	26,000	13.5	FWA-150B
	200	4780	45,000	17.6	FWA-200B
	250	7470	70,000	22.5	FWA-250B
	300	10,760	100,000	27	FWA-300B
	350	15,700	140,000	30.6	FWA-350B
	400	20,300	180,000	35.2	FWA-400B
150 V a.c. / 200 kA 80 V d.c. / 100 kA 150 V d.c. / 20 kA	500	39,000	120,000	35	FWA-500A
	600	46,000	140,000	47	FWA-600A
	700	75,000	220,000	49	FWA-700A
	800	92,000	280,000	58	FWA-800A
150 V a.c. / 200 kA 80 V d.c. / 100 kA	1000	170,000	510,000	60	FWA-1000A

Data sheets: 720002, 5785310

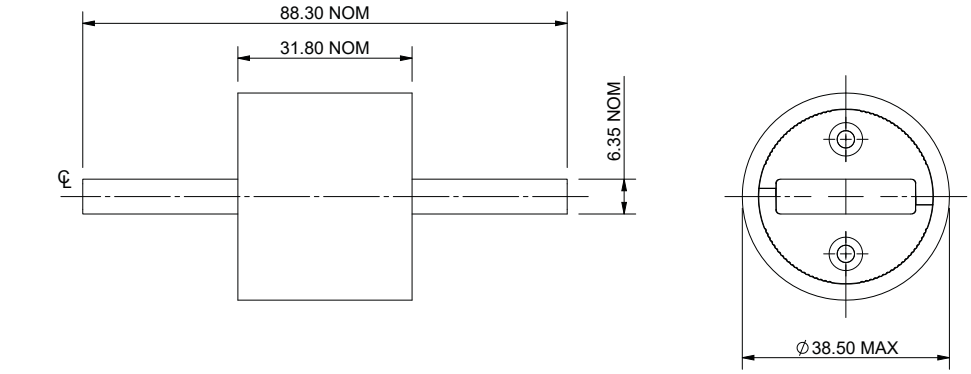
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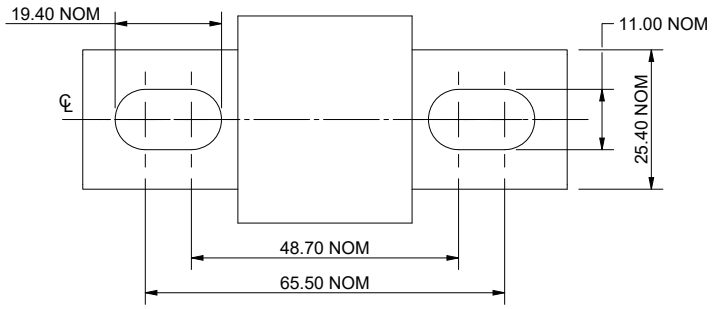
150 V a.c. / V d.c. (UL) - 70 A to 1000 A - FWA

Dimensions (mm) - 70 A to 400 A



Dimensions (mm) - 500 A to 1000 A





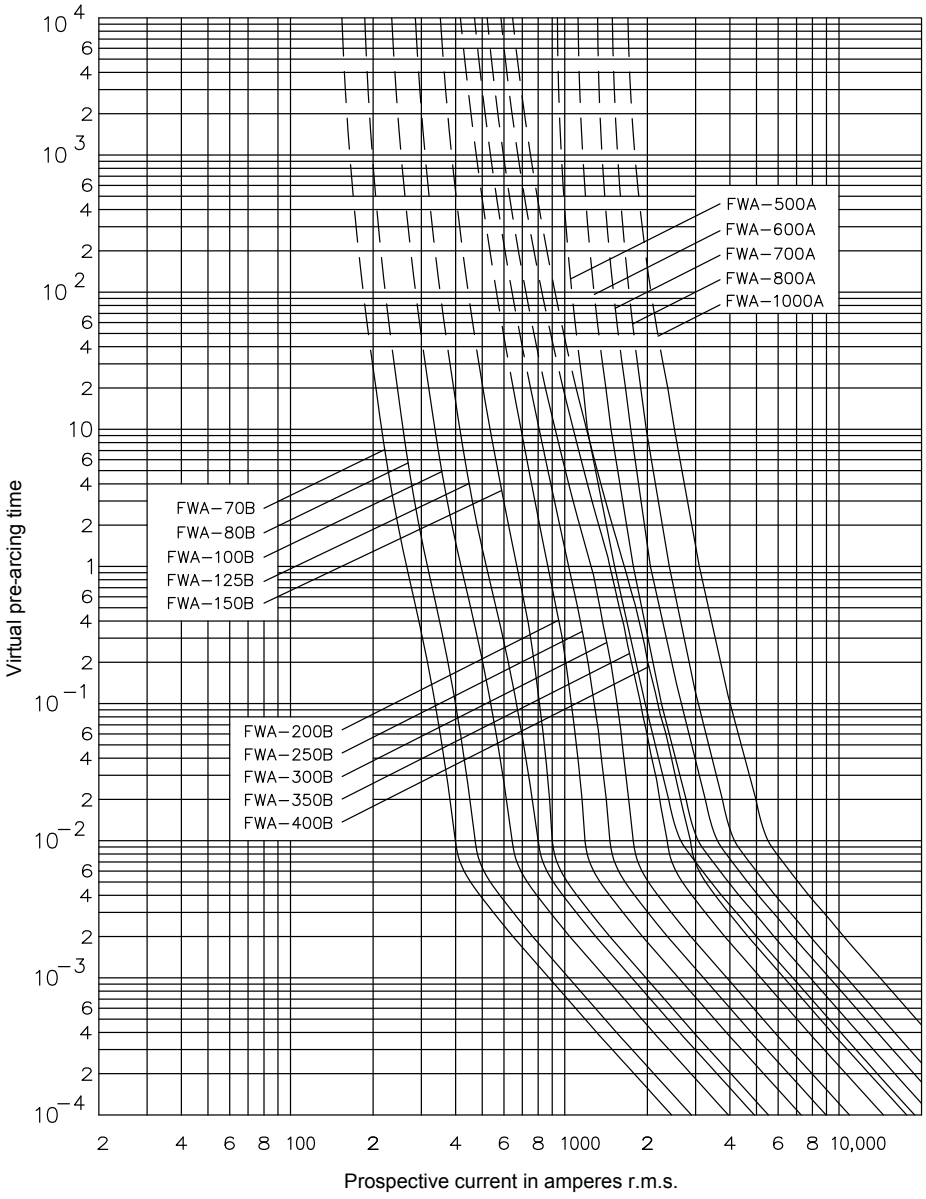
Data sheets: 720002, 5785310

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North American fuse links

150 V a.c. / V d.c. (UL), 70 A to 1000 A - FWA

Time-current curve - 70 A to 1000 A

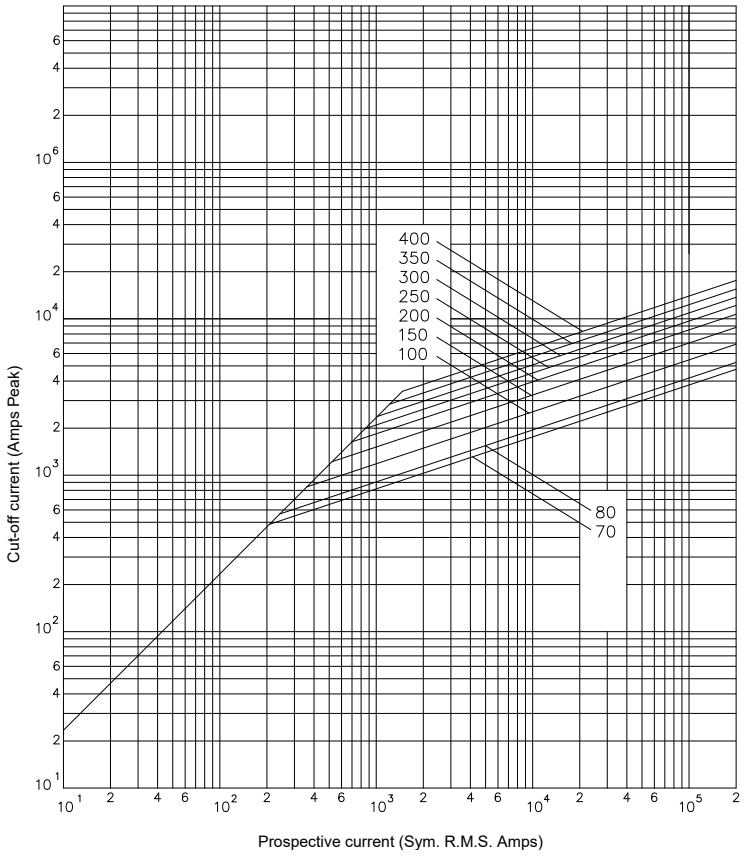


Data sheets: 720002, 5785310

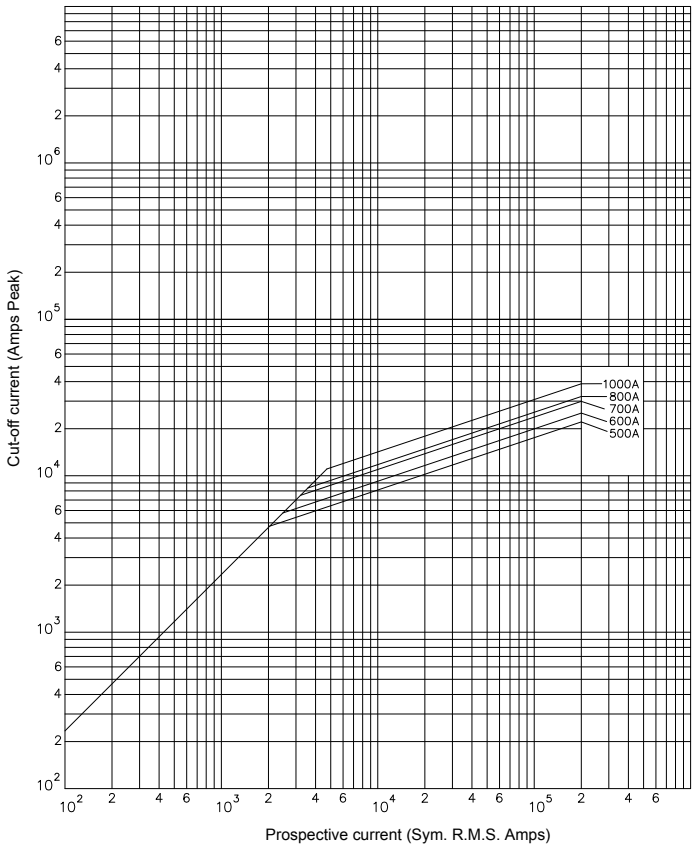
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150 V a.c. / V d.c. (UL), 70 A to 1000 A - FWA

Cut-off curve - 70 A to 400 A

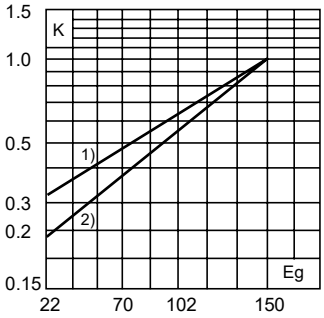


Cut-off curve - 500 A to 1000 A



Total clearing I²t

The total clearing I²t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I²t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).

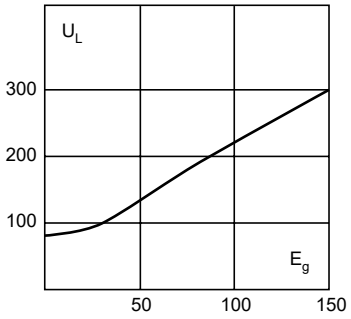


1) 500 - 1000 A

2) 70 - 400 A

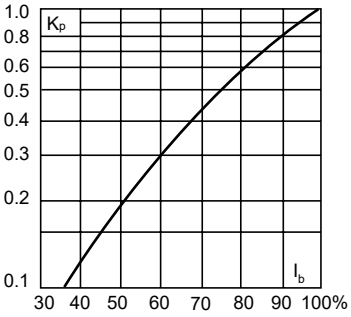
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.



Data sheets: 720002, 5785310

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North American fuse links

250 V a.c. /V d.c. (UL) - 35 A to 2500 A- FWX



Description

North American style bolted tags and flush end high speed fuse links for the protection of DC common bus, DC drives, power converters/rectifiers and reduced rated voltage starters.

Technical Data

- Rated voltage:
  - 250 V a.c./V d.c.(UL) up to 800 A
  - 250 V a.c. (UL) from 1000 A to 2500 A
- Rated current: 35 A to 2500 A
- Breaking capacity:
  - 200 kA RMS Sym.at 250 V a.c.

Standards / Agency information

CE, UL Recognised file JFHR2.E56412 and CSA component acceptance

Catalogue numbers

Rated voltage	Rated current (Amps)	I^2t (A^2 Sec) Pre-arcing	I^2t (A^2 Sec) Clearing at 250 V a.c.	Watts loss (W)	Catalogue numbers
250 V a.c / Vd.c. (UL)	35	50	230	4.2	FWX-35A
250 V a.c / Vd.c. (UL)	40	60	310	5.2	FWX-40A
250 V a.c / Vd.c. (UL)	45	80	390	5.7	FWX-45A
250 V a.c / Vd.c. (UL)	50	100	520	6	FWX-50A
250 V a.c / Vd.c. (UL)	60	140	740	8.1	FWX-60A
250 V a.c / Vd.c. (UL)	70	330	1400	7.2	FWX-70A
250 V a.c / Vd.c. (UL)	80	430	1850	8.1	FWX-80A
250 V a.c / Vd.c. (UL)	90	570	2450	9	FWX-90A
250 V a.c / Vd.c. (UL)	100	740	3150	10	FWX-100A
250 V a.c / Vd.c. (UL)	125	1130	4850	12.5	FWX-125A
250 V a.c / Vd.c. (UL)	150	1620	6950	15.7	FWX-150A
250 V a.c / Vd.c. (UL)	175	2170	9300	18.5	FWX-175A
250 V a.c / Vd.c. (UL)	200	2790	12,000	22	FWX-200A
250 V a.c / Vd.c. (UL)	225	3210	14,700	24	FWX-225A
250 V a.c / Vd.c. (UL)	250	3960	18,100	27	FWX-250A
250 V a.c / Vd.c. (UL)	275	4720	21,600	31	FWX-275A
250 V a.c / Vd.c. (UL)	300	6000	27,300	32	FWX-300A
250 V a.c / Vd.c. (UL)	350	10,600	48,600	39	FWX-350A
250 V a.c / Vd.c. (UL)	400	14,500	66,100	44	FWX-400A
250 V a.c / Vd.c. (UL)	450	22,100	101,000	49	FWX-450A
250 V a.c / Vd.c. (UL)	500	28,000	128,000	54	FWX-500A
250 V a.c / Vd.c. (UL)	600	41,100	188,000	62	FWX-600A
250 V a.c / Vd.c. (UL)	700	48,800	190,000	72	FWX-700A
250 V a.c / Vd.c. (UL)	800	59,000	230,000	84	FWX-800A
250 V a.c. (UL)	1000	44,000	360,000	100	FWX-1000AH
250 V a.c. (UL	1200	92,000	750,000	103	FWX-1200AH
250 V a.c. (UL	1500	120,000	880,000	140	FWX-1500AH
250 V a.c. (UL	1600	160,000	1,200,000	140	FWX-1600AH
250 V a.c. (UL	2000	320,000	2,300,000	151	FWX-2000AH
250 V a.c. (UL	2500	670,000	4,700,000	163	FWX-2500AH

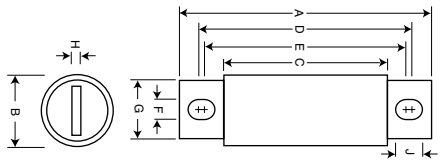
Data sheets: 720005, 359 (35-800 A), 5785299 (100-2500 A)

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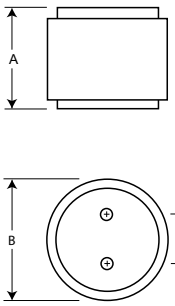
250 V a.c./V d.c. (UL) - 35 A to 2500 A- FWX

Dimensions (in)

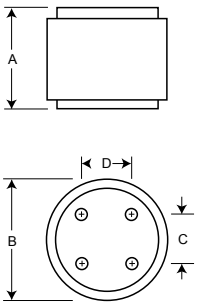
35 A to 800 A



1000 A to 1200 A



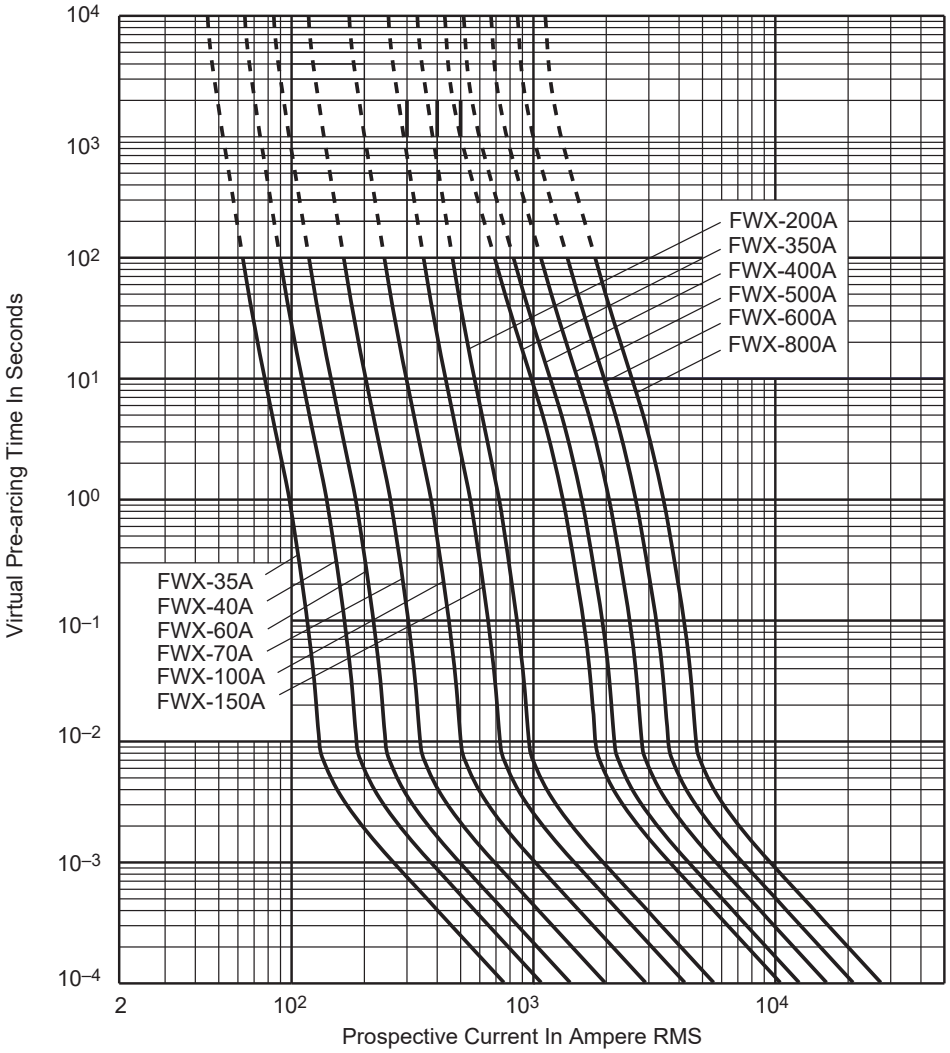
1500 A to 2500 A



Amp range	A	B	C	D	E	F	G	H	J	Tapped thread depth
35-60	3.19	0.81	1.59	2.59	2.25	0.34	0.63	0.13	0.52	-
70-200	3.13	1.22	1.59	2.44	2.19	0.34	1	0.19	0.47	-
225-600	3.84	1.5	1.59	2.94	2.25	0.41	1	0.25	0.75	-
700-800	3.84	2	1.59	3.03	2.28	0.41	1.5	0.25	0.78	-
1000-1200	2.59	3	1.5	-	-	-	-	-	-	3/8"-24 x 1/2" UNF
1500-2500	2.59	3.5	1.5	1.5	-	-	-	-	-	

1" = 25.4mm

Time-current curve - 35 A to 800 A



Contact FUSETECH@eaton.com for the time current curves for the following ratings: 45, 50, 80, 90, 125, 175, 225, 250, 275, 300, 450 and 700 A

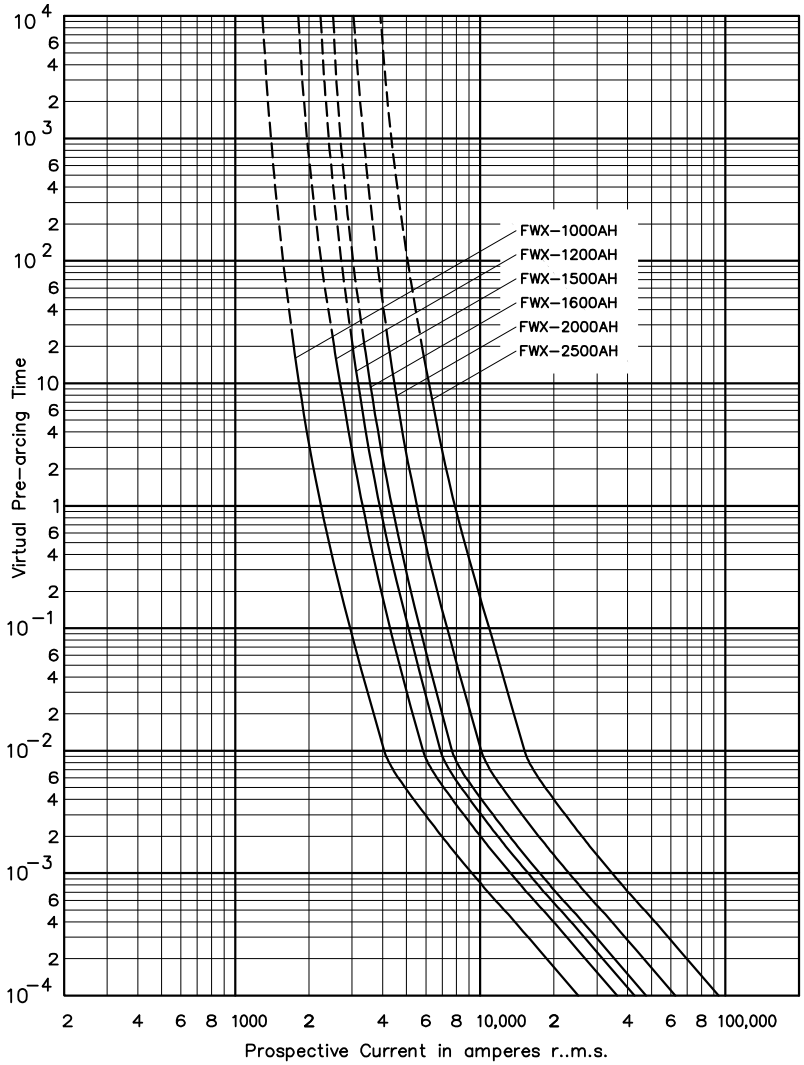
Data sheets: 720005, 359 (35-800 A), 5785299 (100-2500 A)

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North American fuse links

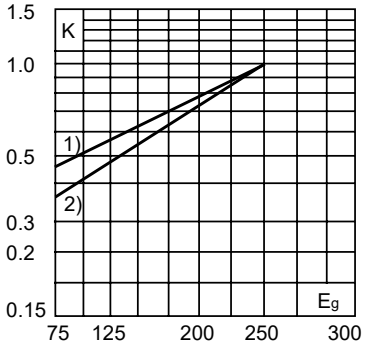
250 V a.c./V d.c. (UL) - 35 A to 2500 A- FWX

Time-current curve - 1000 A to 2500 A



Total clearing I^2t

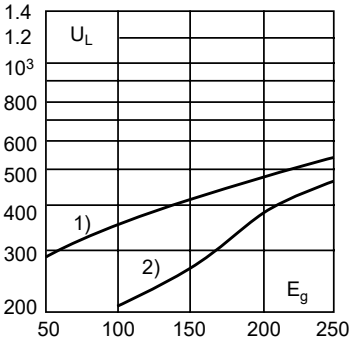
The total clearing I^2t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I^2t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



1) 35 - 800 Amps
2) 1000 - 2500 Amps

Arc voltage

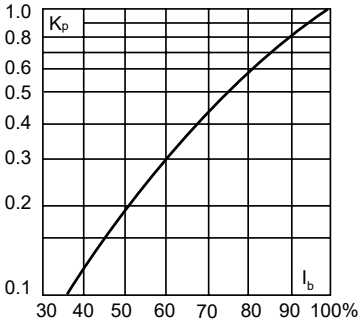
This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



1) 35 - 800 Amps
2) 1000 - 2500 Amps

Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p, is given as a function of the RMS load current, I_b, in percent of the rated current.



Data sheets: 720005, 359 (35-800 A), 5785299 (100-2500 A)

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500 V a.c. / V d.c. (UL), 50 A to 400 A - CHSF



Description

Eaton's Bussmann series compact high speed fuses feature space-saving case sizes for protecting semiconductor devices up to 500 V a.c./V d.c. in ratings from 50 to 400 Amps

Technical Data

- Rated voltage: 500 V a.c. / V d.c. (UL)
- Rated current: 50 A to 400 A
- Breaking capacity:
  - Maximum AC: 200 kA / Minimum AC 400%
  - Maximum DC: 50 kA / Minimum DC 800%
- Conforms to IEC aR specifications for short-circuit protection

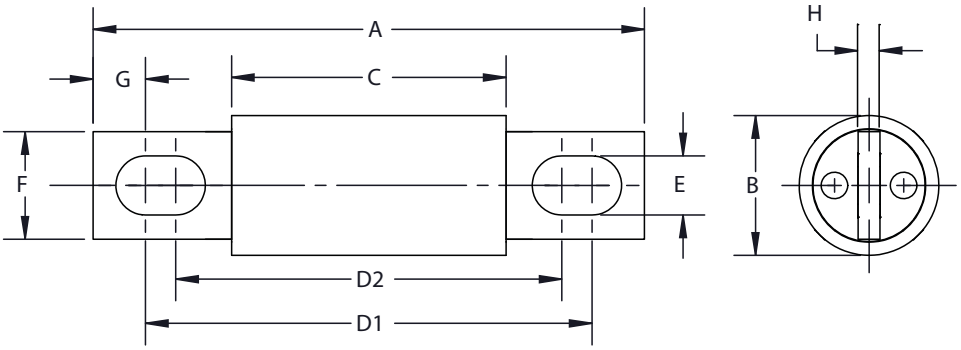
Standards / Agency information

UL Recognised, File E56412, guide JFHR2, CSA Component Acceptance, Class 1422-30, File 53787, IEC aR (self-certified), CE, RoHS compliant, REACH declaration available upon request

Catalogue numbers

Rated voltage	Rated current (Amps)	I^2t (A^2 Sec) AC/DC Pre-arcing	AC clearing at 200 kA/500 V a.c.	DC clearing at 50 kA/500 V d.c.	Watts loss (W) at 80%	Catalogue numbers
500 V a.c./ V d.c.(UL)	50	304	1875	935	3.8	CHSF-50
500 V a.c./ V d.c.(UL)	60	438	2700	1346	4.5	CHSF-60
500 V a.c./ V d.c.(UL)	70	596	3675	1833	5.3	CHSF-70
500 V a.c./ V d.c.(UL)	80	778	4800	2394	6.1	CHSF-80
500 V a.c./ V d.c.(UL)	100	1216	7500	3740	7.6	CHSF-100
500 V a.c./ V d.c.(UL)	125	2042	12721	6465	12	CHSF-125
500 V a.c./ V d.c.(UL)	150	2941	18318	9309	14.3	CHSF-150
500 V a.c./ V d.c.(UL)	175	4003	24933	12671	16.7	CHSF-175
500 V a.c./ V d.c.(UL)	200	5228	32566	16550	19.1	CHSF-200
500 V a.c./ V d.c.(UL)	225	6835	48028	21278	26.1	CHSF-225
500 V a.c./ V d.c.(UL)	250	8438	59293	26270	29	CHSF-250
500 V a.c./ V d.c.(UL)	300	12151	85382	37828	34.8	CHSF-300
500 V a.c./ V d.c.(UL)	350	16539	116215	51488	40.6	CHSF-350
500 V a.c./ V d.c.(UL)	400	21603	151791	67250	46.4	CHSF-400

Dimensions (mm) - 50 A to 400 A



Amps	A	B	C	D1	D2	E	F	G	H
50-100	81	20	40	61	58	8.7	16	7.7	3.2
125-200	92	25	53	77	68	8.7	19	7.8	3.2
225-400	92	30	53	74	68	8.7	25	9	4.8

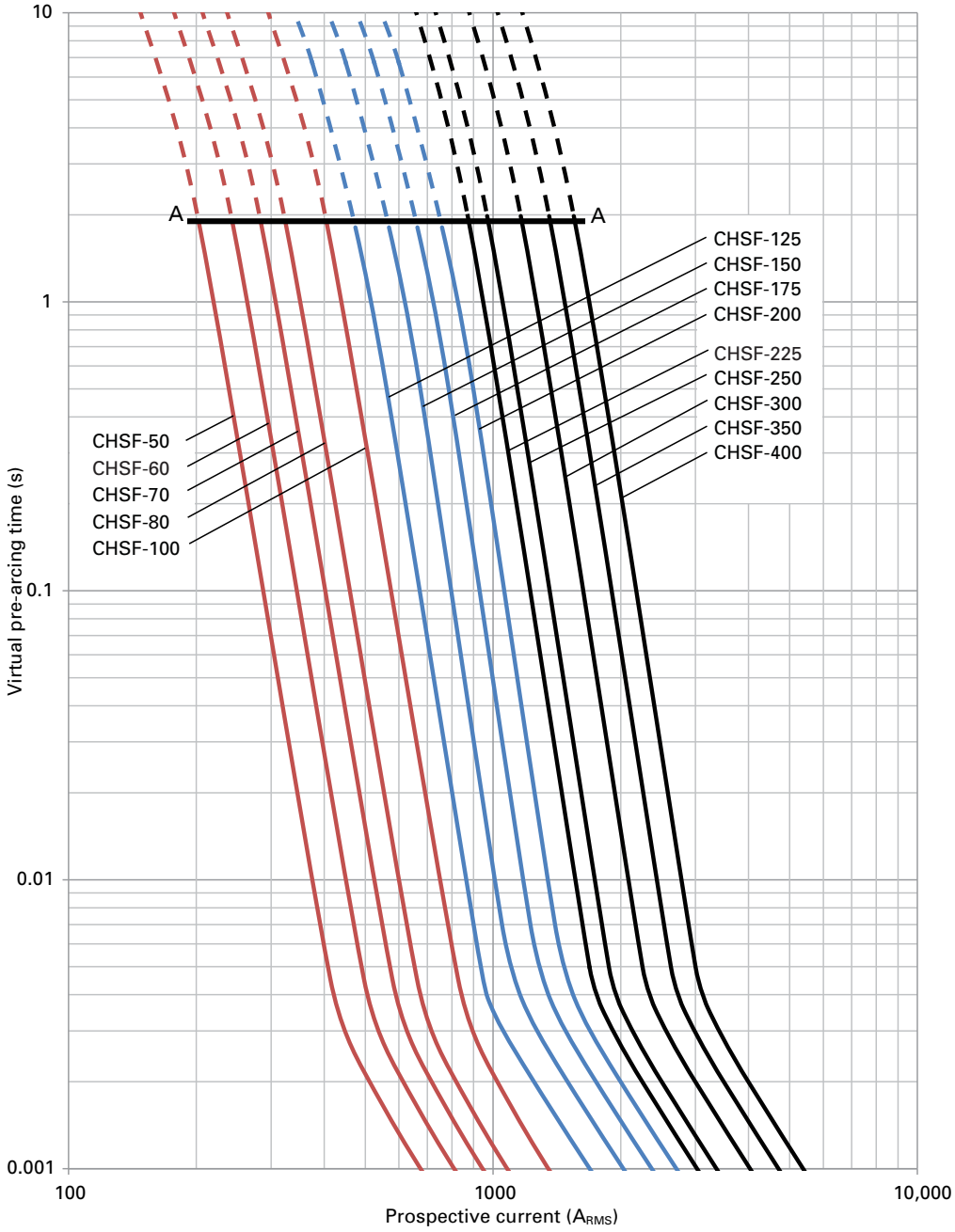
Data sheet: 10414

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North American fuse links

500 V a.c. / V d.c. (UL) - 50 A to 400 A - CHSF

AC Minimum melt curve - 50 A to 400 A

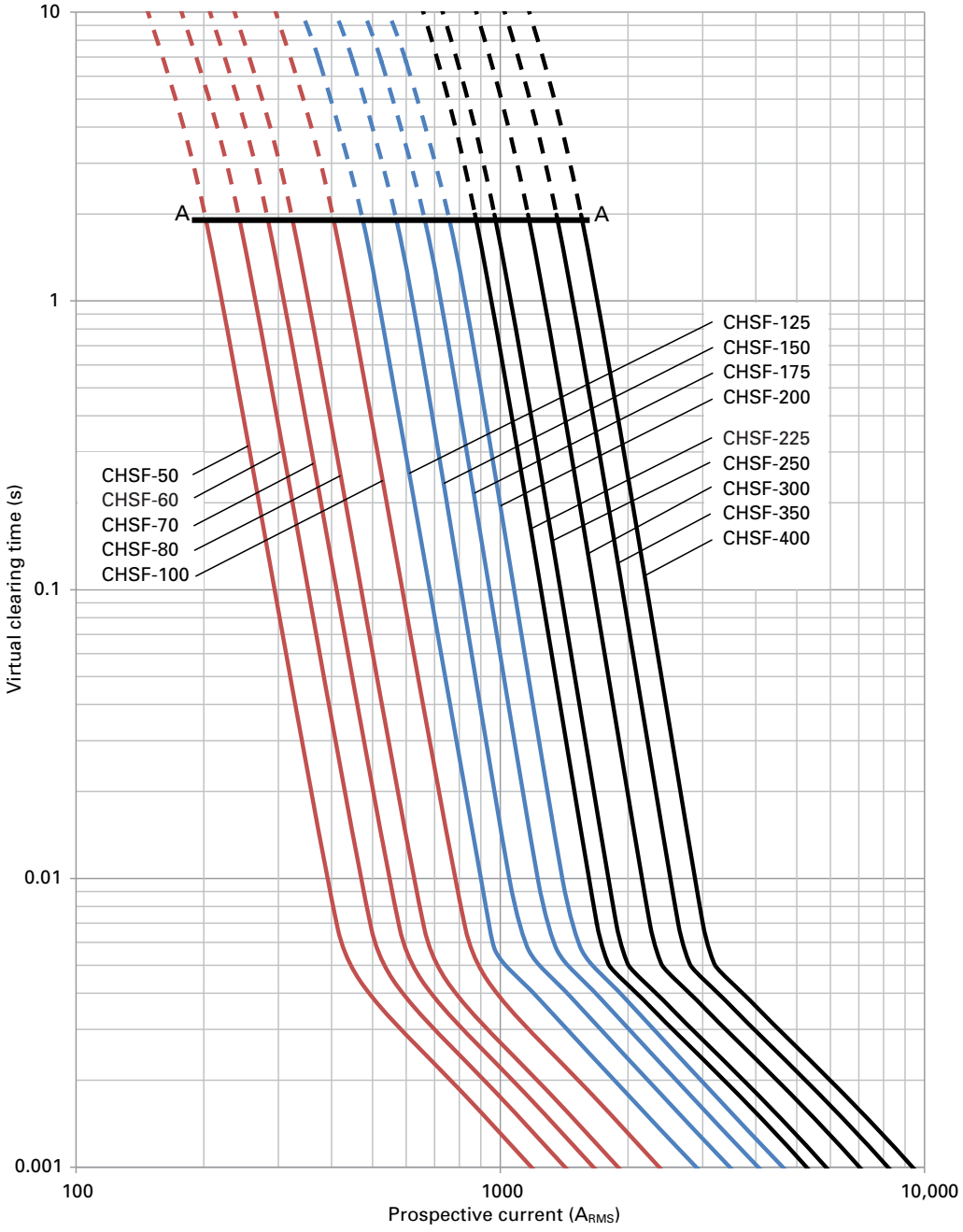


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500 V a.c. / V d.c. (UL) - 50 A to 400 A - CHSF

AC Time-current curve- 50 A to 400 A



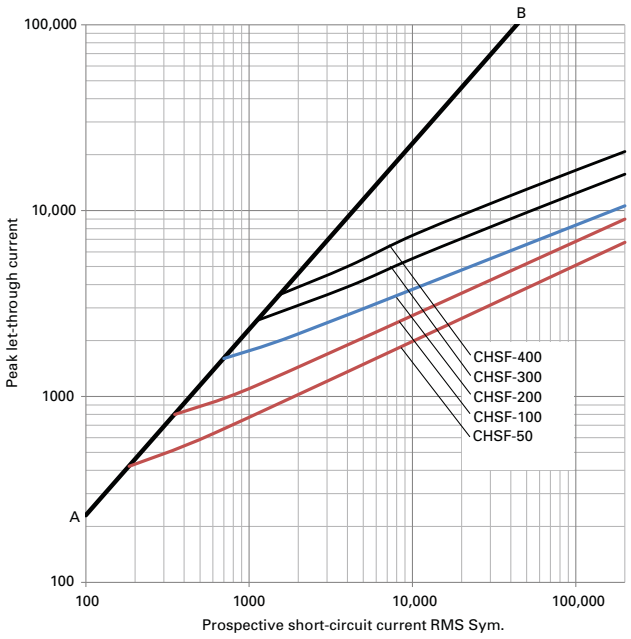
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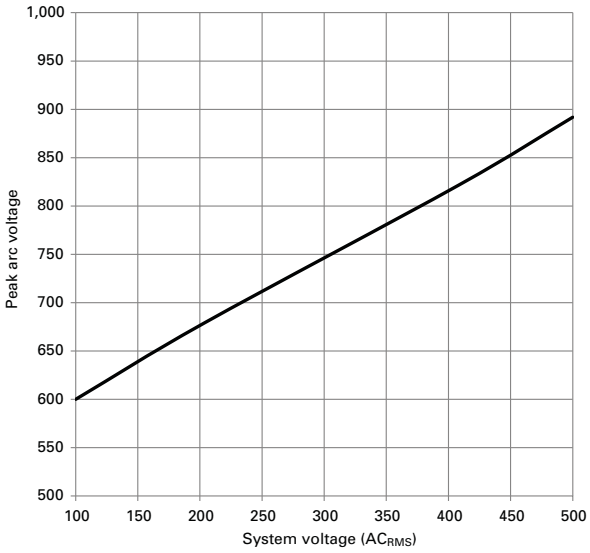
North American fuse links

500 V a.c. / V d.c. (UL) - 50 A to 400 A - CHSF

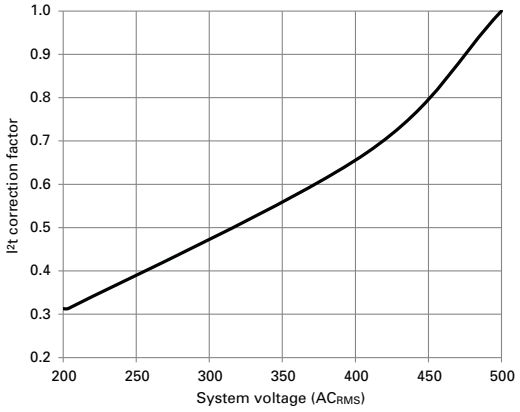
AC Cut-off curve - 50 A to 400 A



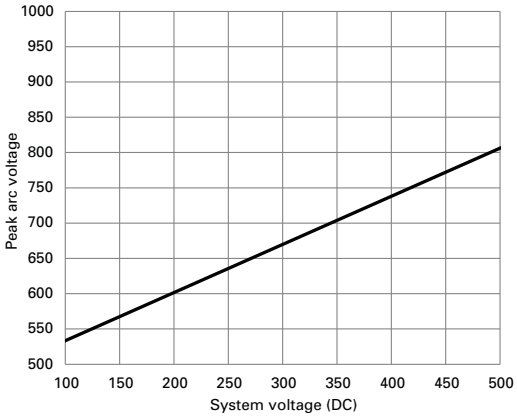
AC Arc Voltage



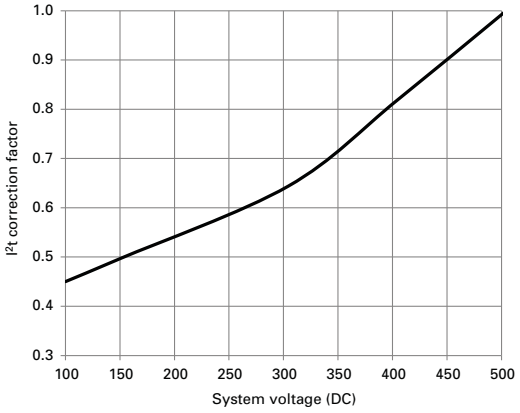
AC clearing I²t voltage correction factor



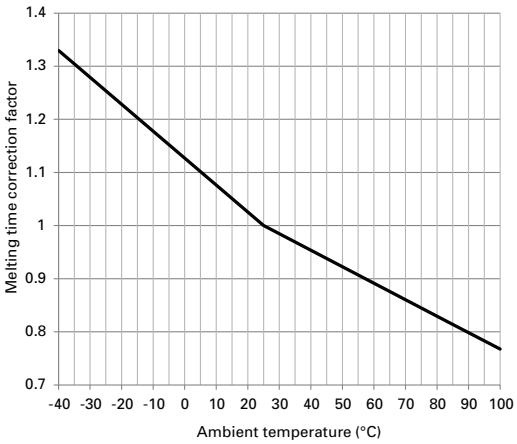
DC Arc voltage



DC clearing I²t voltage correction factor



Temperature derating



Data sheet: 10414

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500 V a.c. / V d.c. (UL) - 35 A to 1600 A - FWH



Description

North American style bolted tags high speed fuse links, for the protection of DC common bus, power converters/rectifiers and reduced rated voltage starters.

Technical data

- Rated voltage:
  - 500 V a.c. (UL)
  - 500 V d.c. (35 A to 800 A only)
- Rated current: 35 A to 1600 A
- Breaking capacity:
  - 200 kA RMS Sym.
  - 50 kA at 500 V d.c.

Standards / Agency information

CE, UL Recognition JFHR2.E91958 FWH-_B (35 A to 200 A), JFHR2. E56412 FWH-_A (225 A to 800 A), CSA Component Acceptance Class 1422-30, File 53787 (35 A to 1600 A)

Catalogue numbers

Rated voltage	Rated current (Amps)	I^2t (A^2 Sec)		Watts loss (W)	Catalogue numbers
		Pre-arcing	Clearing at 500 V a.c.		
500 V a.c./V d.c. (UL)	35	34	150	8	FWH-35B
500 V a.c./V d.c. (UL)	40	76	320	7.5	FWH-40B
500 V a.c./V d.c. (UL)	45	105	450	7.5	FWH-45B
500 V a.c./V d.c. (UL)	50	135	670	7.5	FWH-50B
500 V a.c./V d.c. (UL)	60	210	900	9.9	FWH-60B
500 V a.c./V d.c. (UL)	70	210	900	10.6	FWH-70B
500 V a.c./V d.c. (UL)	80	305	1400	12.7	FWH-80B
500 V a.c./V d.c. (UL)	90	360	1600	15	FWH-90B
500 V a.c./V d.c. (UL)	100	475	2000	17	FWH-100B
500 V a.c./V d.c. (UL)	125	800	3500	25	FWH-125B
500 V a.c./V d.c. (UL)	150	1100	4600	30	FWH-150B
500 V a.c./V d.c. (UL)	175	1450	6200	35	FWH-175B
500 V a.c./V d.c. (UL)	200	1900	8500	40	FWH-200B
500 V a.c./V d.c. (UL)	225	4600	23,300	39	FWH-225A
500 V a.c./V d.c. (UL)	250	6300	32,200	41	FWH-250A
500 V a.c./V d.c. (UL)	275	7900	40,300	46	FWH-275A
500 V a.c./V d.c. (UL)	300	9800	49,800	51	FWH-300A
500 V a.c./V d.c. (UL)	325	13,700	63,800	53	FWH-325A
500 V a.c./V d.c. (UL)	350	14,500	72,900	58	FWH-350A
500 V a.c./V d.c. (UL)	400	19,200	96,700	65	FWH-400A
500 V a.c./V d.c. (UL)	450	24,700	127,000	74	FWH-450A
500 V a.c./V d.c. (UL)	500	29,200	149,000	84	FWH-500A
500 V a.c./V d.c. (UL)	600	41,300	206,000	108	FWH-600A
500 V a.c./V d.c. (UL)	700	55,000	298,000	120	FWH-700A
500 V a.c./V d.c. (UL)	800	76,200	409,000	129	FWH-800A
500 V a.c./V d.c. (UL)	900	74,000	363,000	132	FWH-900A
500 V a.c. (UL)	1000	92,000	530,000	145	FWH-1000B
500 V a.c. (UL)	1200	122,000	700,000	180	FWH-1200B
500 V a.c. (UL)	1400	200,000	1,000,000	210	FWH-1400A
500 V a.c. (UL)	1600	290,000	1,400,000	230	FWH-1600A

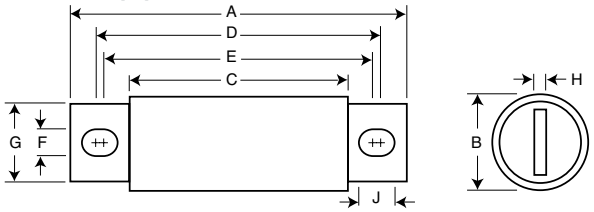
Data sheets: 720007, 360 (350-800 A), 5785304 (35-200 A, 1000-1600 A)

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North American fuse links

500 V a.c. / V d.c. (UL) - 35 A to 1600 A - FWH

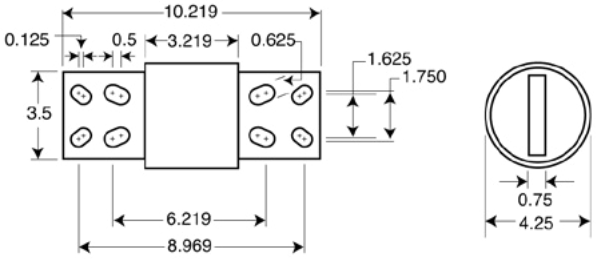
Dimensions (in) - 35 A to 1200 A



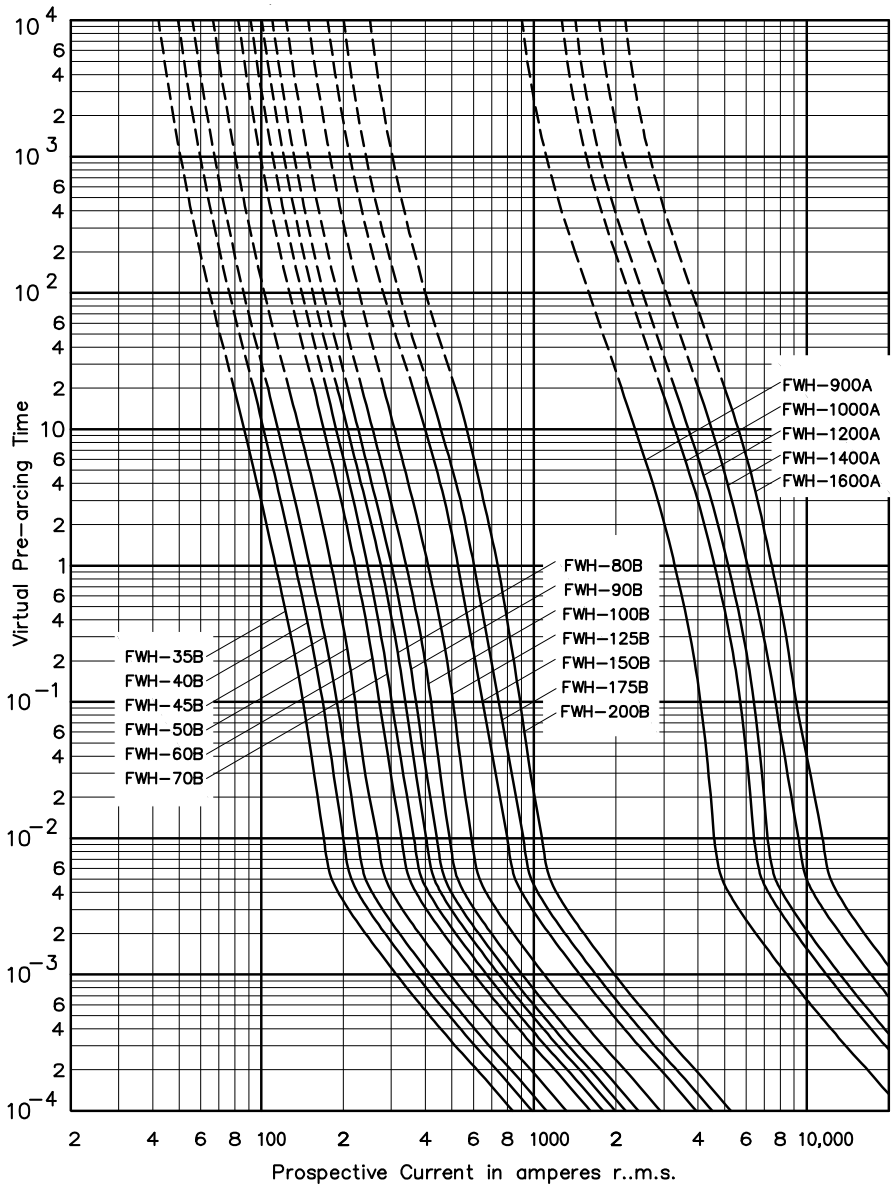
Amp range	A	B	C	D	E	F	G	H	J
35-60	3.19	0.81	1.59	2.54	2.19	0.34	0.72	0.13	0.52
70-100	3.62	0.95	1.74	2.85	2.81	0.35	0.75	0.13	0.38
125-200	3.62	1.16	1.84	2.89	2.77	0.34	1	0.19	0.41
225-400	4.34	1.5	2.09	3.44	2.75	0.41	1	0.25	0.75
450-600	4.34	2	2.09	3.53	2.78	0.41	1.5	0.25	0.78
700-800	6.34	2.5	2.09	4.97	3.44	0.53	2	0.38	1.30
1000-1200	6.97	3	3.22	5.47	4.48	0.62	2.38	0.44	1.12

1" = 25.4mm

Dimensions (in) - 1400 A and 1600 A



Time-current curve - 35 A to 200 A and 900 A to 1600 A

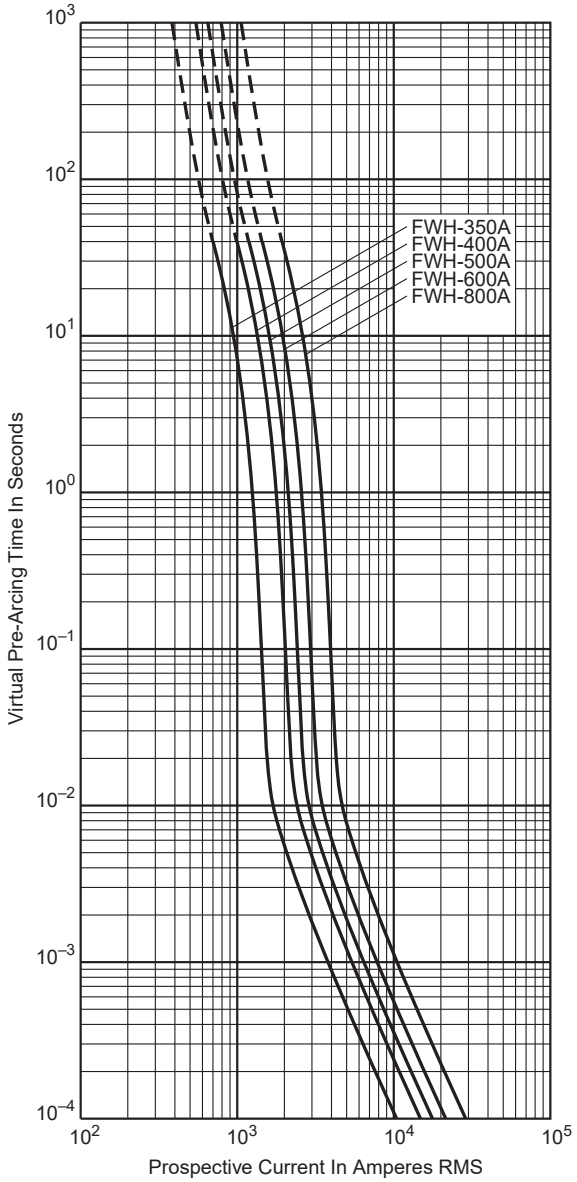


Data sheets: 720007, 360 (350-800 A), 5785304 (35-200 A, 1000-1600 A)

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500 V a.c. / V d.c. (UL) - 35 A to 1600 A - FWH

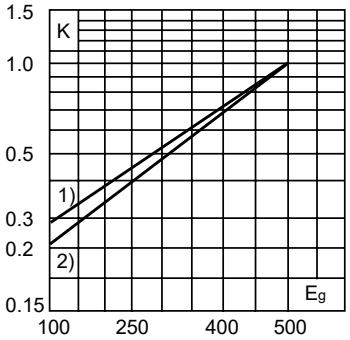
Time-current curve - 350 A to 800 A



Contact FUSETECH@eaton.com for the time current curves for the following ratings: 225 to 325 A, 450 A and 700 A

Total clearing I^2t

The total clearing I^2t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I^2t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).

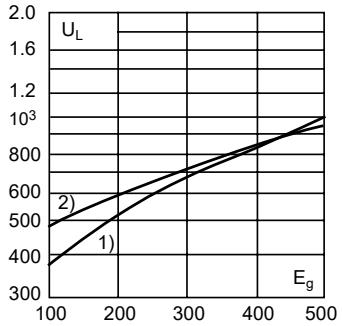


1) 35 - 800 A

2) 1000 - 1600 A

Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.

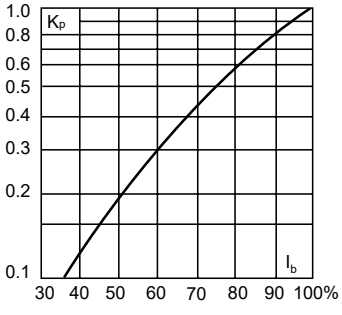


1) 35 - 200 A and 1000 - 1600 A

2) 225 - 800 A

Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.



Data sheets: 720007, 360 (350-800 A), 5785304 (35-200 A, 1000-1600 A)

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North American fuse links

600 V a.c. (UL) - 1 A to 1000 A - KAC

Description

North American style bolted tags high speed fuse links. These fuse links are supplied as replacements only. For new installations, Eaton recommends the 700 V FWP fuse links.

Technical Data

- Rated voltage: 600 V a.c. (UL)
- Rated curent: 1 A to 1000 A
- Breaking capacity: 200 kA RMS Sym.

Standards / Agency information

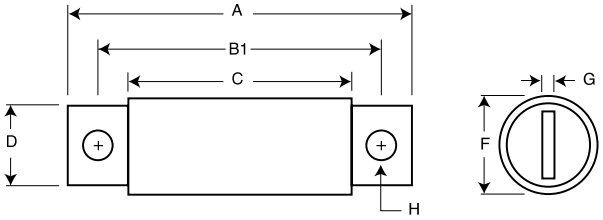
CE, UL file JFHR2.E56413 (1 A to 600 A only)

Catalogue numbers

Rated voltage	Rated current (Amps)	Catalogue numbers
600 V a.c. (UL)	1	KAC-1
600 V a.c. (UL)	2	KAC-2
600 V a.c. (UL)	3	KAC-3
600 V a.c. (UL)	4	KAC-4
600 V a.c. (UL)	5	KAC-5
600 V a.c. (UL)	6	KAC-6
600 V a.c. (UL)	7	KAC-7
600 V a.c. (UL)	8	KAC-8
600 V a.c. (UL)	9	KAC-9
600 V a.c. (UL)	10	KAC-10
600 V a.c. (UL)	12	KAC-12
600 V a.c. (UL)	15	KAC-15
600 V a.c. (UL)	17.5	KAC-17.5
600 V a.c. (UL)	20	KAC-20
600 V a.c. (UL)	25	KAC-25
600 V a.c. (UL)	30	KAC-30
600 V a.c. (UL)	35	KAC-35
600 V a.c. (UL)	40	KAC-40
600 V a.c. (UL)	45	KAC-45
600 V a.c. (UL)	50	KAC-50
600 V a.c. (UL)	60	KAC-60
600 V a.c. (UL)	70	KAC-70
600 V a.c. (UL)	80	KAC-80
600 V a.c. (UL)	90	KAC-90
600 V a.c. (UL)	100	KAC-100
600 V a.c. (UL)	110	KAC-110
600 V a.c. (UL)	125	KAC-125
600 V a.c. (UL)	150	KAC-150
600 V a.c. (UL)	175	KAC-175
600 V a.c. (UL)	200	KAC-200
600 V a.c. (UL)	225	KAC-225
600 V a.c. (UL)	250	KAC-250
600 V a.c. (UL)	300	KAC-300
600 V a.c. (UL)	350	KAC-350
600 V a.c. (UL)	400	KAC-400
600 V a.c. (UL)	450	KAC-450
600 V a.c. (UL)	500	KAC-500
600 V a.c. (UL)	600	KAC-600
600 V a.c. (UL)	700	KAC-700
600 V a.c. (UL)	800	KAC-800
600 V a.c. (UL)	1000	KAC-1000



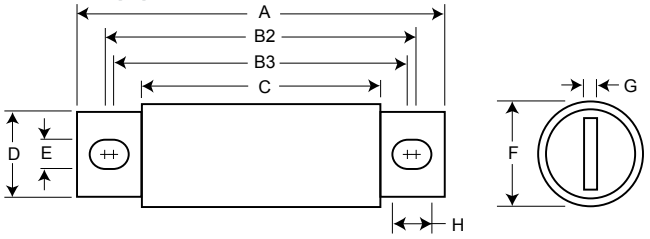
Dimensions (in) - 1 A to 30 A and 450 A to 1000 A



Rated current (Amps)	A	B1	B2	B3	C	D	E	F	G	H
1-30	2.88	2.5	-	-	1.88	0.41	-	0.56	0.06	0.26
450-800	6.25	4.75	-		3.06	2	-	2.5	0.25	0.56
1000	7.25	4.75	-		3.06	2.75	-	3.5	0.38	0.56

1" = 25.4mm

Dimensions (in) - 35 A to 400 A



Rated current (Amps)	A	B1	B2	B3	C	D	E	F	G	H
35-60	4.38	-	3.75	3.50	2.75	0.63	0.34	0.81	0.09	0.47
70-100	5	-	4.06	3.66	2.75	0.75	0.41	1	0.13	0.61
110-200	5.14	-	4.39	3.77	2.91	1	0.41	1.5	0.19	0.72
225-400	6.18	-	4.82	4.57	3	1.63	0.56	2	0.25	0.69

1" = 25.4mm

Data sheet: 720009

Downloaded from Arrow.com.

600 V a.c. (UL) - 35 A to 800 A - KBC

Description

North American style bolted tags and flush-end high speed fuse links. These fuse links are supplied as replacements only. For new installations, Eaton recommends the 700 V FWP fuse links.

Technical data

- Rated voltage: 600 V a.c. (UL)
- Rated current: 35 A to 800 A
- Breaking capacity: 100 kA RMS Sym.

Standards / Agency information

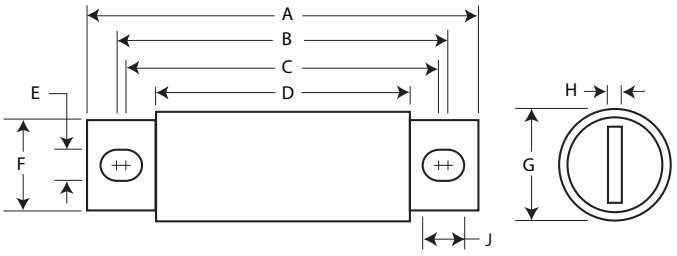
CE, UL file JFHR2.E56412 (35 A to 600 A only)



Catalogue numbers

Rated voltage	Rated current (Amps)	Catalogue numbers
600 V a.c. (UL)	35	KBC-35
600 V a.c. (UL)	40	KBC-40
600 V a.c. (UL)	45	KBC-45
600 V a.c. (UL)	50	KBC-50
600 V a.c. (UL)	60	KBC-60
600 V a.c. (UL)	70	KBC-70
600 V a.c. (UL)	80	KBC-80
600 V a.c. (UL)	90	KBC-90
600 V a.c. (UL)	100	KBC-100
600 V a.c. (UL)	110	KBC-110
600 V a.c. (UL)	125	KBC-125
600 V a.c. (UL)	150	KBC-150
600 V a.c. (UL)	175	KBC-175
600 V a.c. (UL)	200	KBC-200
600 V a.c. (UL)	225	KBC-225
600 V a.c. (UL)	250	KBC-250
600 V a.c. (UL)	300	KBC-300
600 V a.c. (UL)	350	KBC-350
600 V a.c. (UL)	400	KBC-400
600 V a.c. (UL)	450	KBC-450
600 V a.c. (UL)	500	KBC-500
600 V a.c. (UL)	600	KBC-600
600 V a.c. (UL)	800	KBC-800

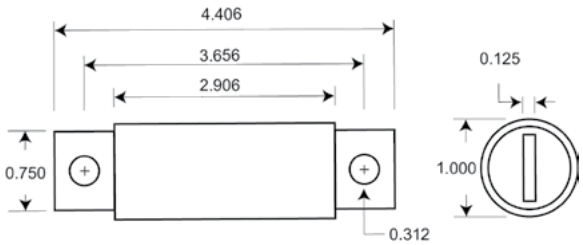
Dimensions (in) - 35 A to 60 A and 110 A to 600 A



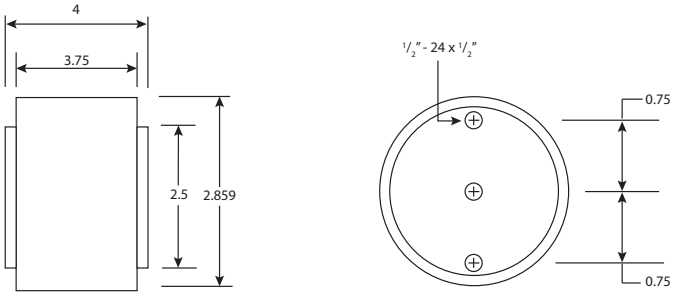
Rated current (Amps)	A	B	C	D	E	F	G	H	J
35-60	4.38	3.75	3.50	2.75	0.34	0.63	0.81	0.09	0.47
110-200	4.41	3.72	3.59	2.91	0.31	0.88	1.22	0.19	0.38
225-400	5.13	4.19	3.56	2.91	0.41	1	1.5	0.25	0.72
450-600	5.13	4.39	3.69	2.88	0.41	1.5	2	0.25	0.76

1" = 25.4mm

Dimensions (in) - 70 A to 100 A



Dimensions (in) - 800 A



Data sheet: 720010

Downloaded from Arrow.com.

North American fuse links

700 V a.c. / V d.c.(UL) - 5 A to 1200 A - FWP

Description

North American style bolted tags high speed fuse links for the protection of DC common bus, DC drives, power converters/ rectifiers, reduced rated voltage starters.

Technical data

- Rated voltage: 700 V a.c. / V d.c. (UL)
- Rated current: 5 A to 1200 A
- Breaking capacity: see details in table below

Standards / Agency information

CE, UL Recognition JFHR2.E91958 FWP-_B (5 A to 100 A, 700 A to 1200 A), JFHR2.E56412 FWP-_A (125 A to 600 A) and CSA Component Acceptance file class 1422-30, (53787) on 5 A to 800 A



Catalogue numbers

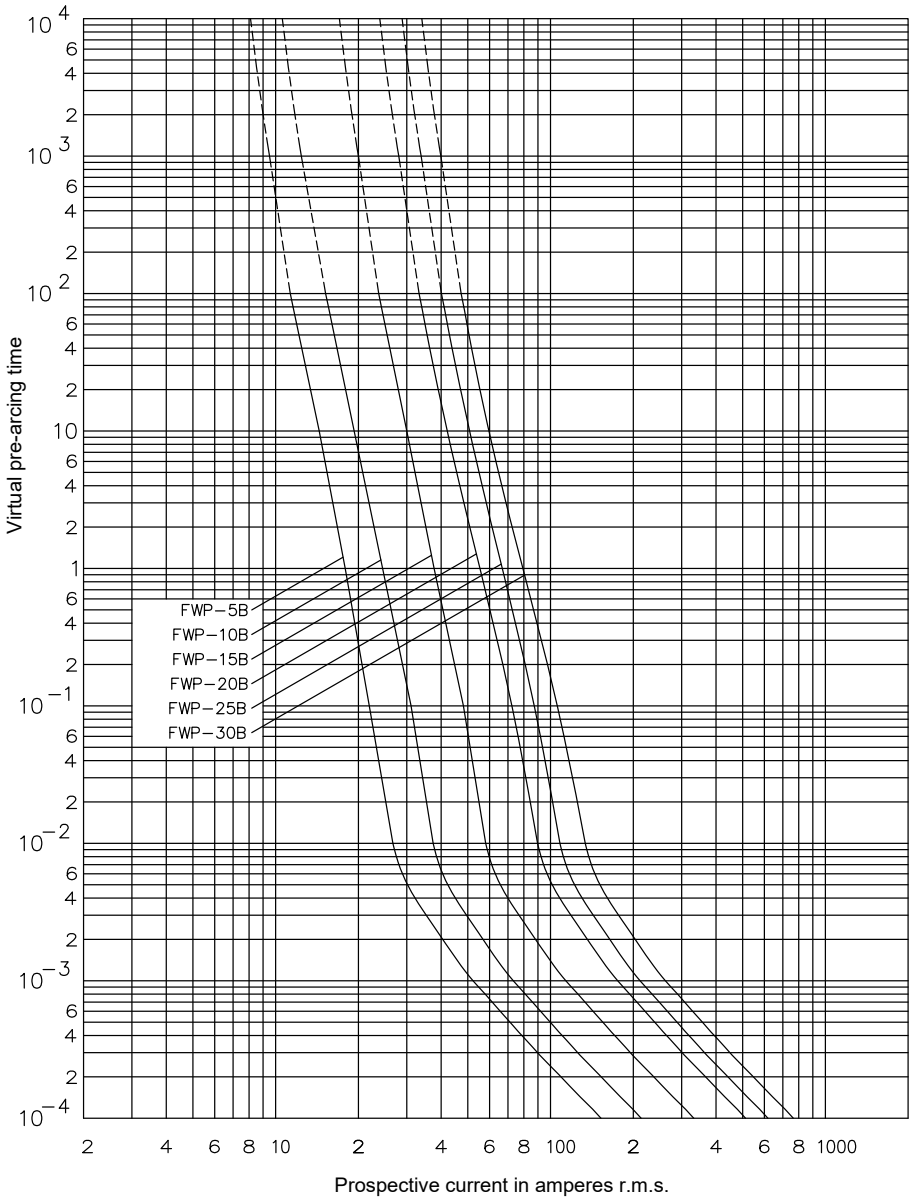
AC		DC			I^2t (A^2 Sec)			
Rated voltage	Breaking capacity	Rated voltage	Breaking capacity	Rated current (Amps)	Pre-arcing	Clearing at 700 V a.c.	Watts loss (W)	Catalogue numbers
700 V a.c.	200 kA	500 V d.c. (10 ms)	50 kA	5	1.6	11	1.5	FWP-5B
700 V a.c.	200 kA	500 V d.c. (10 ms)	50 kA	10	3.6	22	4	FWP-10B
700 V a.c.	200 kA	500 V d.c. (10 ms)	50 kA	15	10	70	5.5	FWP-15B
700 V a.c.	200 kA	500 V d.c. (10 ms)	50 kA	20	26	180	6	FWP-20B
700 V a.c.	200 kA	500 V d.c. (10 ms)	50 kA	25	44	320	7	FWP-25B
700 V a.c.	200 kA	500 V d.c. (10 ms)	50 kA	30	58	450	9	FWP-30B
700 V a.c.	200 kA	700 V d.c.	50 kA	35	34	160	12	FWP-35D
700 V a.c.	200 kA	700 V d.c.	50 kA	40	76	320	12	FWP-40D
700 V a.c.	200 kA	700 V d.c.	50 kA	50	135	600	12	FWP-50D
700 V a.c.	200 kA	700 V d.c.	50 kA	60	210	950	15.5	FWP-60D
700 V a.c.	200 kA	700 V d.c.	50 kA	70	305	2000	18	FWP-70B
700 V a.c.	200 kA	700 V d.c.	50 kA	80	360	2400	21	FWP-80B
700 V a.c.	200 kA	700 V d.c.	50 kA	90	415	2700	25	FWP-90B
700 V a.c.	200 kA	700 V d.c.	50 kA	100	540	3500	27	FWP-100B
700 V a.c.	200 kA	700 V d.c.	10 kA	125	1800	7300	28	FWP-125A
700 V a.c.	200 kA	700 V d.c.	10 kA	150	2900	11,700	32	FWP-150A
700 V a.c.	200 kA	700 V d.c.	10 kA	175	4200	16,700	35	FWP-175A
700 V a.c.	200 kA	700 V d.c.	10 kA	200	5500	22,000	43	FWP-200A
700 V a.c.	200 kA	700 V d.c.	10 kA	225	7700	31,300	45	FWP-225A
700 V a.c.	200 kA	700 V d.c.	10 kA	250	10,500	42,500	48	FWP-250A
700 V a.c.	200 kA	700 V d.c.	10 kA	300	17,600	71,200	58	FWP-300A
700 V a.c.	200 kA	700 V d.c.	10 kA	350	23,700	95,600	65	FWP-350A
700 V a.c.	200 kA	700 V d.c.	10 kA	400	31,000	125,000	78	FWP-400A
700 V a.c.	200 kA	700 V d.c.	50 kA	450	36,400	137,000	94	FWP-450A
700 V a.c.	200 kA	700 V d.c.	50 kA	500	45,200	170,000	107	FWP-500A
700 V a.c.	200 kA	700 V d.c.	50 kA	600	66,700	250,000	122	FWP-600A
700 V a.c.	200 kA	700 V d.c.	50 kA	700	54,000	300,000	125	FWP-700A
700 V a.c.	200 kA	700 V d.c.	50 kA	800	78,000	450,000	140	FWP-800A
700 V a.c.	200 kA	N/A	N/A	900	91,500	530,000	150	FWP-900A
700 V a.c.	200 kA	N/A	N/A	1000	120,000	600,000	170	FWP-1000A
700 V a.c.	200 kA	N/A	N/A	1200	195,000	1,100,000	190	FWP-1200A

Data sheets: 720012, 5785316 (5-30 A), 361 (150-600 A), 5785308 (35-100 A, 700-1200 A)

Downloaded from Arrow.com.

700 V a.c. / V d.c.(UL) - 5 A to 1200 A - FWP

Time-current curve - 5 A to 30 A



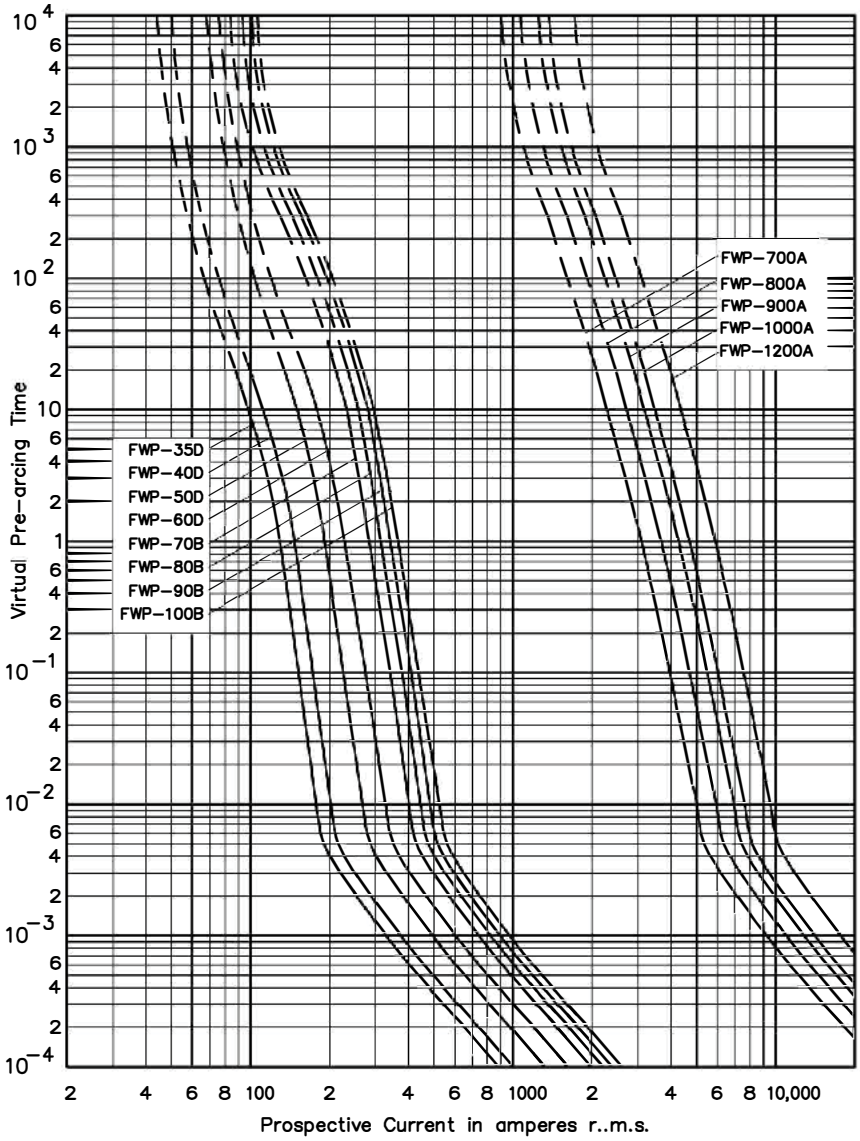
Data sheets: 720012, 5785316 (5-30 A), 361 (150-600 A), 5785308 (35-100 A, 700-1200 A)

Downloaded from Arrow.com.

North American fuse links

700 V a.c. / V d.c.(UL) - 5 A to 1200 A - FWP

Time-current curve - 35 A to 1200 A



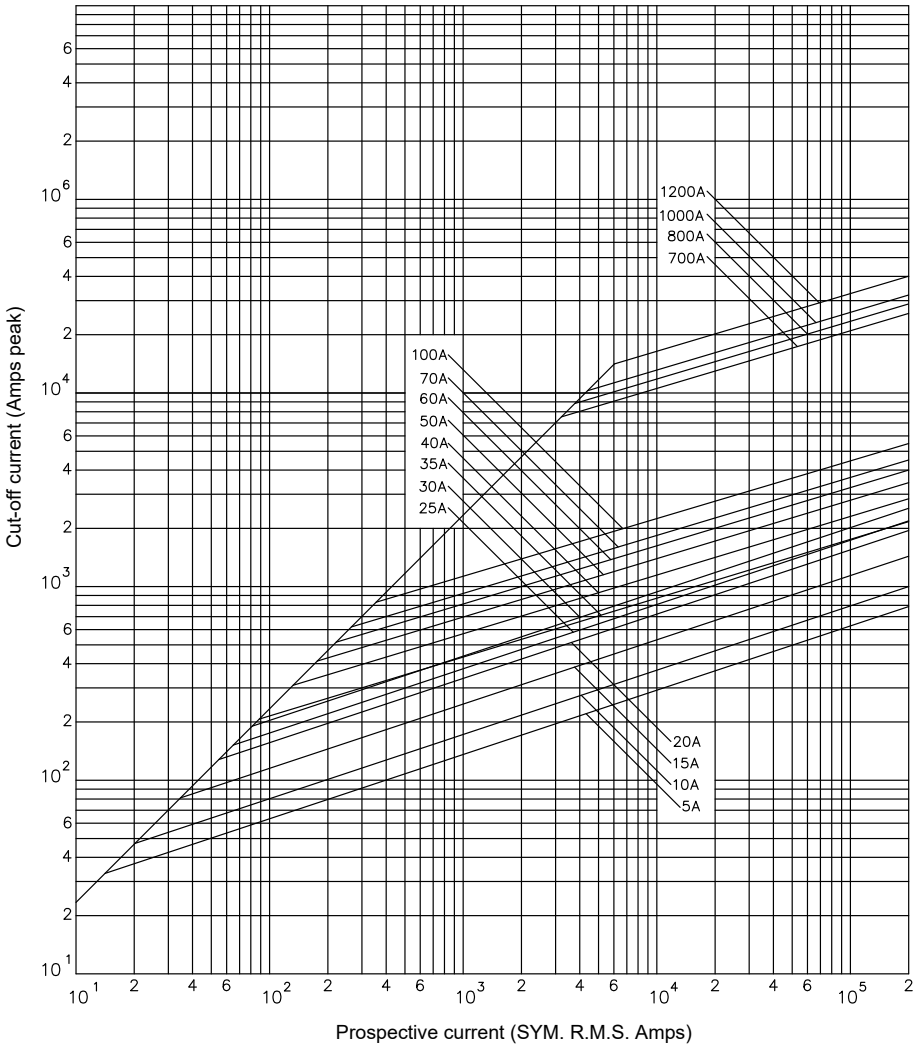
Contact FUSETECH@eaton.com for the time current curves for the following ratings: 125 A to 600 A

Data sheets: 720012, 5785316 (5-30 A), 361 (150-600 A), 5785308 (35-100 A, 700-1200 A)

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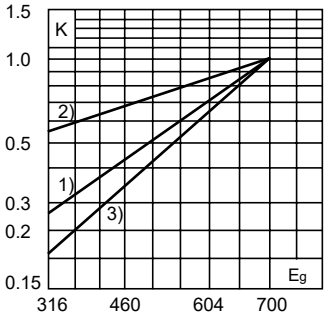
700 V a.c. / V d.c.(UL) - 5 A to 1200 A - FWP

Cut-off curve - 5 A to 1200 A



Total clearing I²t

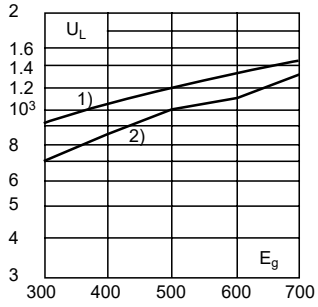
The total clearing I²t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I²t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



1) 35 - 100 A
2) 125 - 600 A
3) 700 to 1200 A

Arc voltage

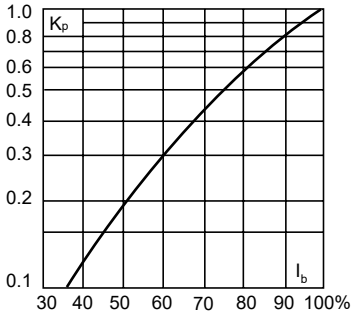
This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



1) 125 - 600 A
2) 35 - 100 and 700 - 1200 A

Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.



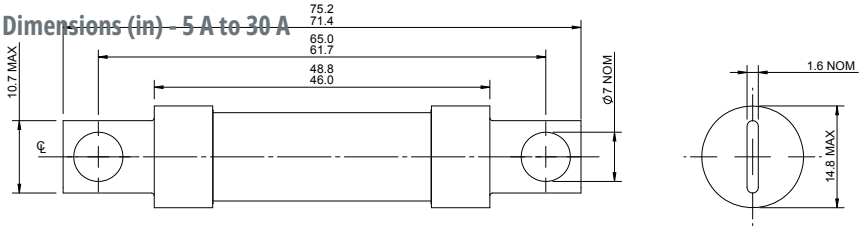
Data sheets: 720012, 5785316 (5-30 A), 361 (150-600 A), 5785308 (35-100 A, 700-1200 A)

Downloaded from Arrow.com.

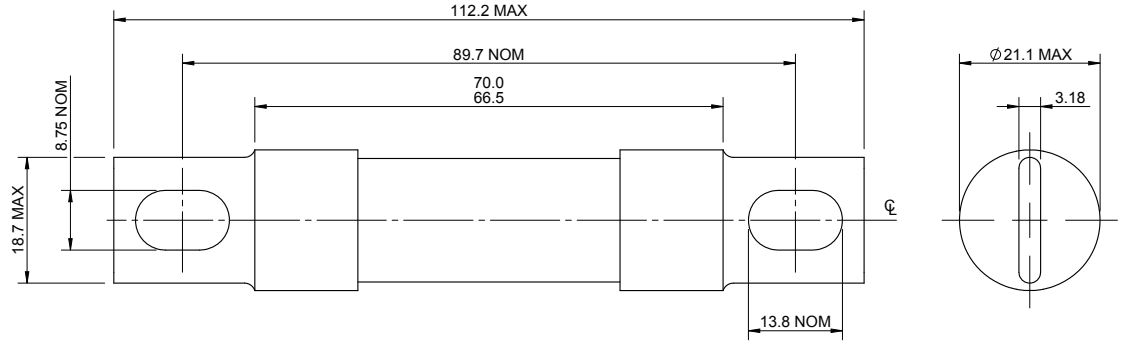
North American fuse links

700 V a.c. / V d.c.(UL) - 5 A to 1200 A - FWP

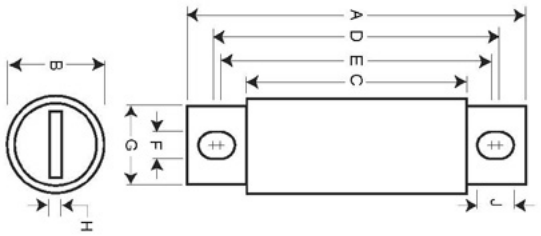
Dimensions (in) - 5 A to 30 A



Dimensions (in) - 35 A to 60 A



Dimensions (in) - 70 A to 600 A



Amp range	A	B	C	D	E	F	G	H	J
70-100	4.41	0.95	2.59	3.63	3.56	0.34	0.75	0.13	0.38
125-200	5.09	1.5	2.84	4.19	3.5	0.41	1	0.25	0.75
225-400	5.09	2	2.84	4.28	3.53	0.41	1.5	0.25	0.78
450-600	7.09	2.5	2.84	5.72	4.19	0.53	2	0.38	1.3

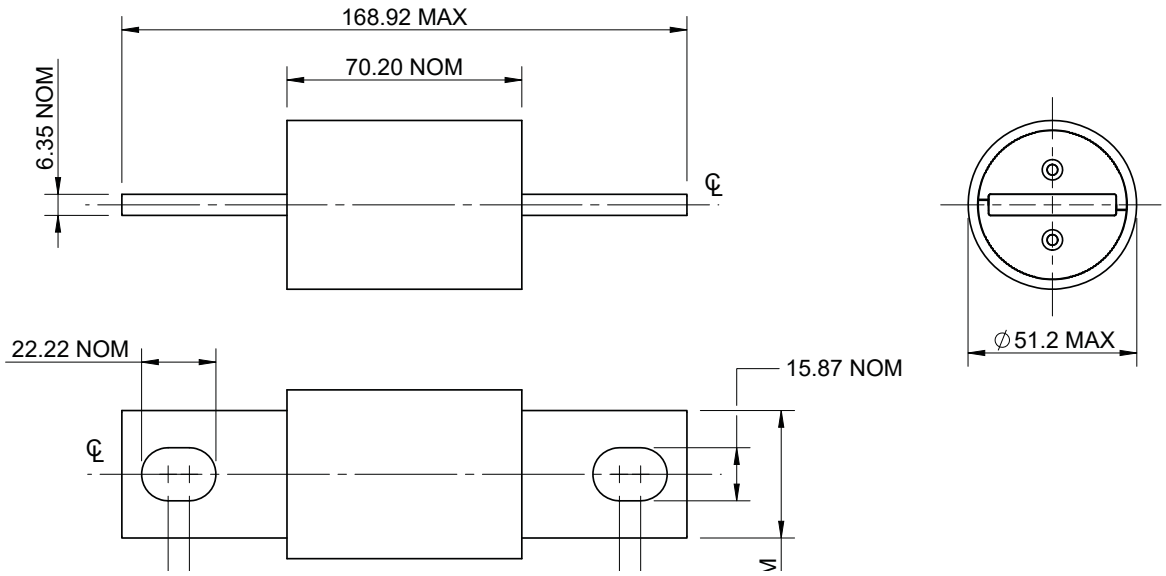
1" = 25.4mm

Data sheets: 720012, 5785316 (5-30 A), 361 (150-600 A), 5785308 (35-100 A, 700-1200 A)

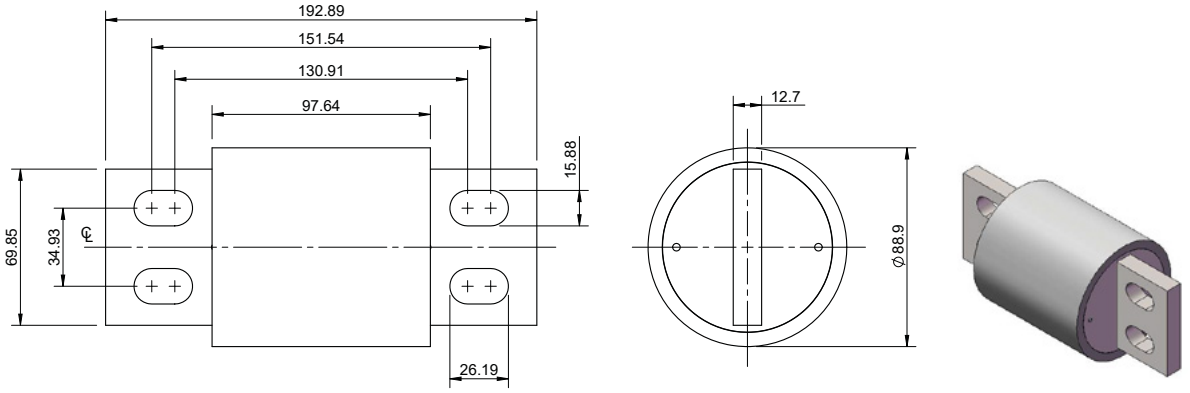
Downloaded from Arrow.com.

700 V a.c. / V d.c.(UL) - 5 A to 1200 A - FWP

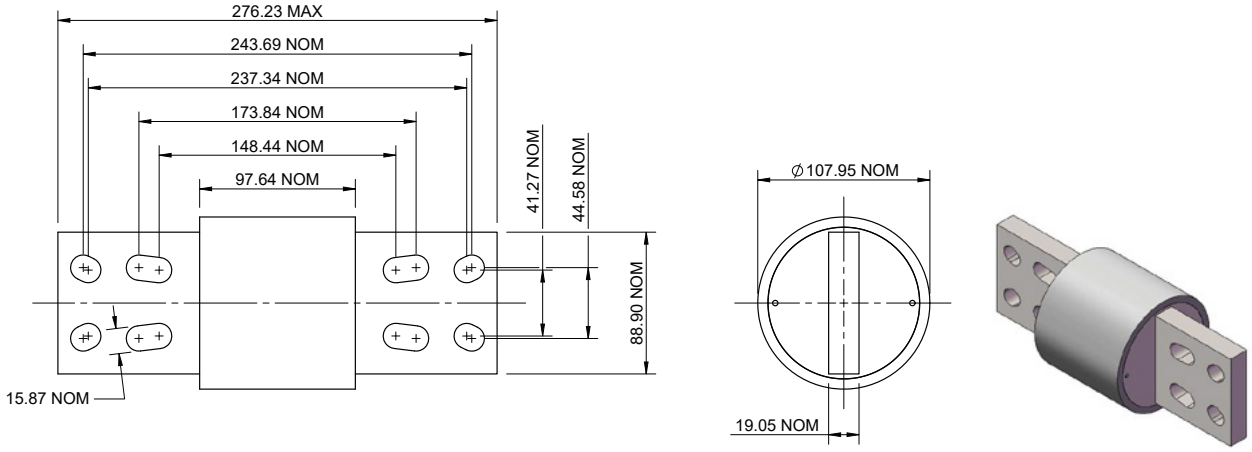
Dimensions (in) - 700 A and 800 A



Dimensions (in) - 900 A and 1000 A



Dimensions (mm) - 1200 A

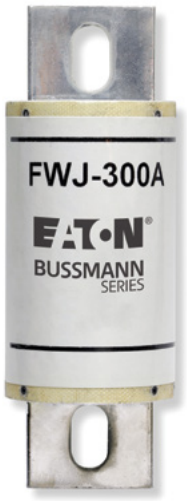


Data sheets: 720012, 5785316 (5-30 A), 361 (150-600 A), 5785308 (35-100 A, 700-1200 A)

Downloaded from Arrow.com.

North American fuse links

1000 V a.c. / 800 V d.c. (UL) - 35 A to 2000 A - FWJ



Description

North American style bolted tags high speed fuse links for the protection of DC common bus, DC drives power converters/ rectifiers, reduced rated voltage starters.

Technical data

- Rated voltage:
  - 1000 V a.c. (UL)
  - 800 V d.c. (UL)
- Rated current: 35 A to 2000 A
- Breaking capacity:
  - 25kA RMS Sym. (35 A to 200 A)
  - 100 kA RMS Sym. (250 A to 2000 A)
  - 50 kA at 800 V d.c. (35 A to 200 A and 450 A to 600 A)

Standards / Agency information

CE, UL Recognition JFHR8.E91958 on 50 A to 600 A only

Catalogue numbers

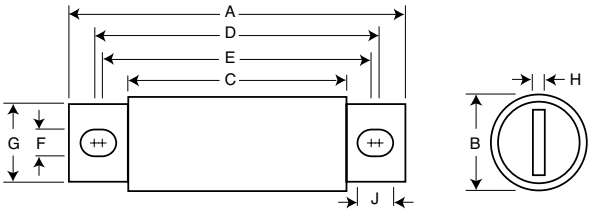
AC		DC		Rated current (Amps)	I^2t (A^2 Sec)		Watts loss (W)	Catalogue numbers
Rated voltage	Breaking capacity	Rated voltage	Breaking capacity		Pre-arcing	Clearing at 1000 V a.c.		
1000 V a.c.	25 kA	800 V d.c.	50 kA	35	210	2000	7	FWJ-35A
				40	300	2500	8	FWJ-40A
				50	470	3500	10	FWJ-50A
				60	670	5000	11	FWJ-60A
				70	1100	6900	12	FWJ-70A
				80	1550	9700	13	FWJ-80A
				90	1900	12,000	14	FWJ-90A
				100	2800	17,500	15	FWJ-100A
				125	4800	35,000	16	FWJ-125A
				150	6300	45,000	25	FWJ-150A
				175	7500	65,000	30	FWJ-175A
				200	11,700	80,000	32	FWJ-200A
1000 V a.c.	100 kA	N/A	N/A	250	16,000	112,000	50	FWJ-250A
				300	23,500	164,000	56	FWJ-300A
				350	33,000	231,000	62	FWJ-350A
				400	47,000	330,000	67	FWJ-400A
1000 V a.c.	100 kA	800 V d.c.	50 kA	500	39,500	329,000	95	FWJ-500A
				600	61,000	520,000	105	FWJ-600A
				800	87,000	500,000	182	FWJ-800A
				1000	190,000	1,100,000	206	FWJ-1000A
				1200	370,000	2,100,000	240	FWJ-1200A
				1400	470,000	2,700,000	248	FWJ-1400A
				1600	700,000	4,000,000	267	FWJ-1600A
				1800	925,000	5,300,000	239	FWJ-1800A
				2000	1,330,000	7,600,000	244	FWJ-2000A

Data sheets: 720027, 5785303 (35-600 A), 5785309 (800-2000 A), E5785173

Downloaded from Arrow.com.

1000 V a.c. / 800 V d.c. (UL) - 35 A to 2000 A - FWJ

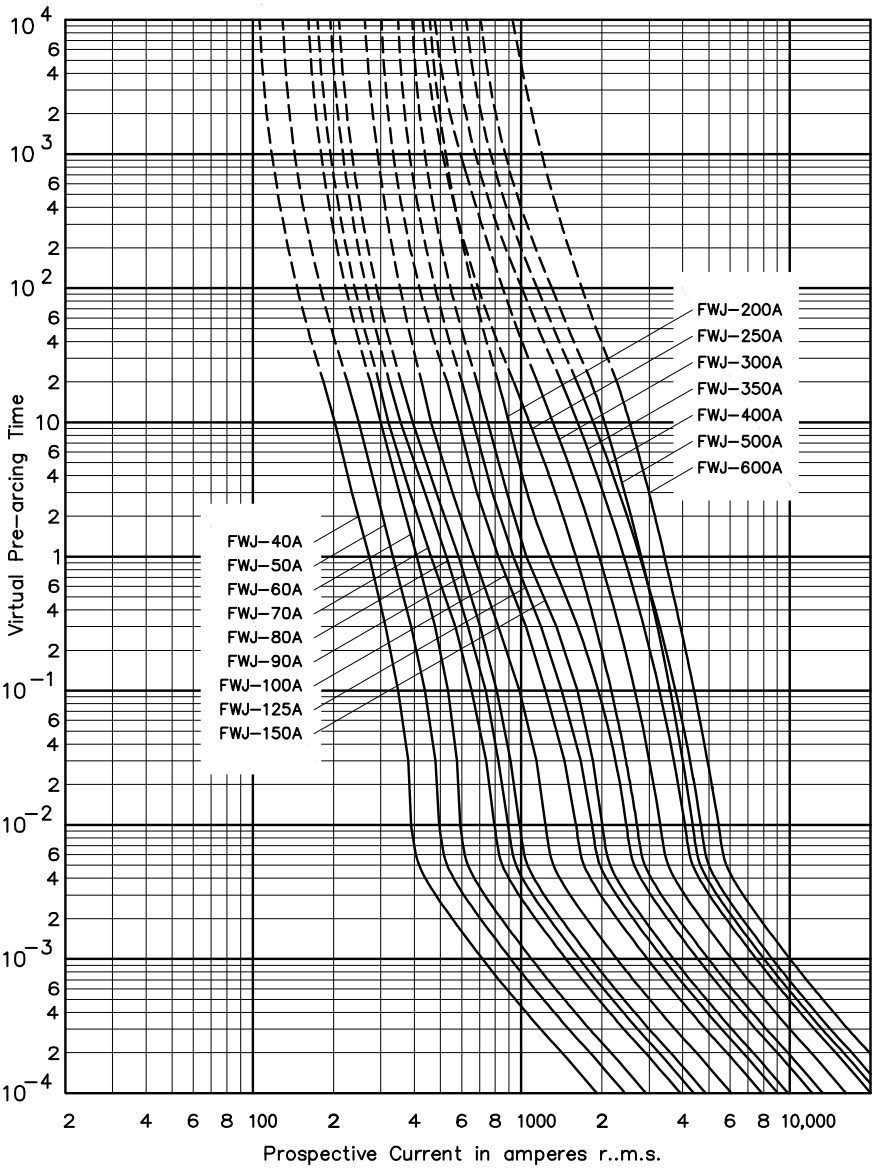
Dimensions (in) - 35 A to 2000 A



Amp range	A	B	C	D	E	F	G	H	J
35-60	5	0.94	3.11	4.24	4.18	0.35	0.75	0.13	0.38
70-100	4.93	1.13	3.09	4.27	4.16	0.35	1	0.19	0.41
125-200	5.69	1.53	3.26	4.80	4.06	0.45	1	0.25	0.82
250-400	5.77	2	3.5	4.81	4.15	0.43	1.5	0.25	0.76
500-600	7.20	2.5	3.47	5.98	4.71	0.56	2	0.38	1.2
800-2000	6.81	3.5	3.31	5.47	4.96	0.63	2.75	0.5	0.88

1" = 25.4mm

Time-current curve - 35 A to 600 A

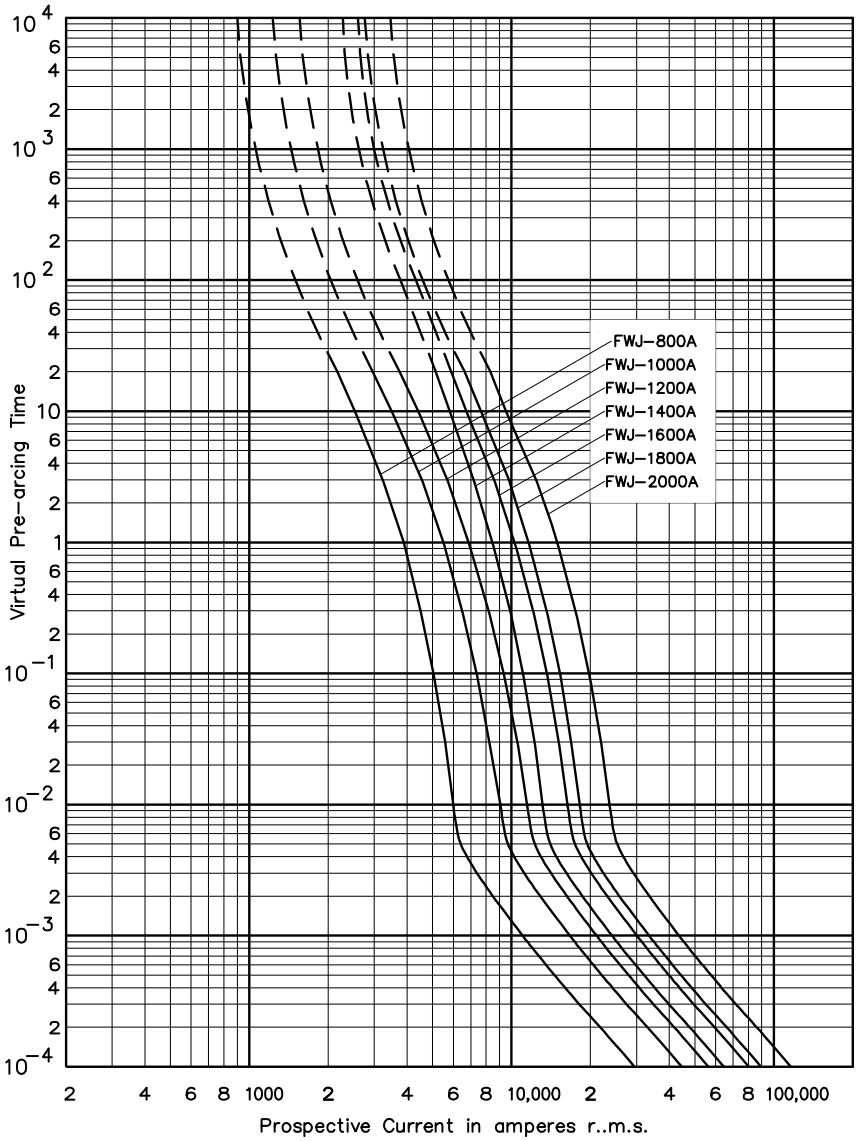


Data sheets: 720027, 5785303 (35-600 A), 5785309 (800-2000 A), E5785173

Downloaded from Arrow.com.

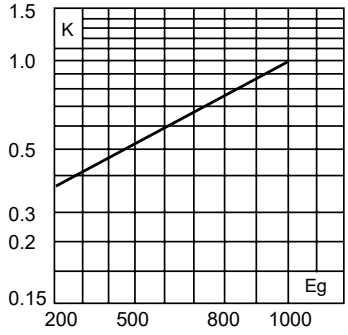
1000 V a.c. / 800 V d.c. (UL) - 35 A to 2000 A - FWJ

Time-current curve - 800 A to 2000 A



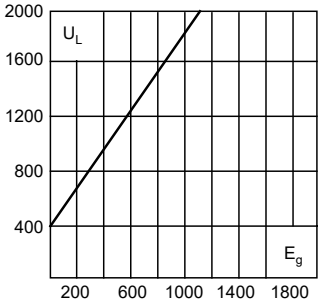
Total clearing I²t

The total clearing I²t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I²t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



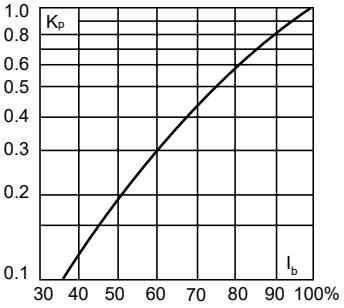
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.



Data sheets: 720027, 5785303 (35-600 A), 5785309 (800-2000 A), E5785173

Downloaded from Arrow.com.

1000 V d.c. (IEC/UL) - 70 A to 600 A - FWE

North American style bolted tags high speed fuse links designed for the protection of DC charging stations, specialist vehicle onboard applications and general DC power conversion equipment and battery systems voltage starters.



Technical data

- Rated voltage: 1000 V d.c. (IEC/UL)
- Rated current: 70 A to 600 A
- Breaking capacity: 100 kA
- Operating class: aR

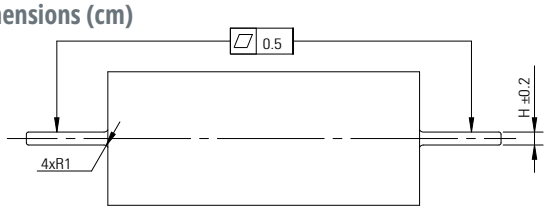
Standards / Agency information

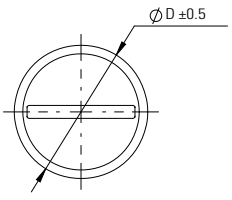
CE, IEC 60269-4 and UL 248-13 Recognised

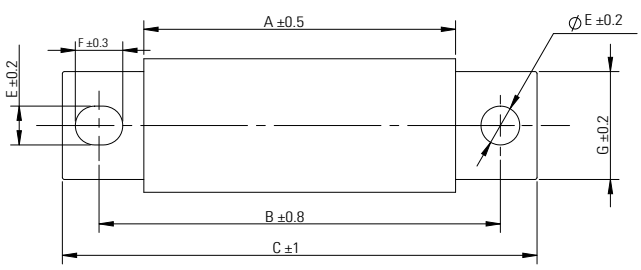
Catalogue numbers

Rated voltage	Rated current	Watts loss (50% rated current)	Watts loss (100% rated current)	Pre-arcing I^2t (A^2 Sec)	Clearing I^2t	Breaking capacity	Operating class	Catalogue number
1000 V d.c. (IEC/UL)	70	3.8	21	680	5060	100 kA	aR	FWE-70A
	80	4.2	24	1020	7240	100 kA	aR	FWE-80A
	90	4.6	27	1400	9400	100 kA	aR	FWE-90A
	100	5	30	1820	12300	100 kA	aR	FWE-100A
	125	6	43	1830	8400	100 kA	aR	FWE-125A
	150	7	49	2670	12900	100 kA	aR	FWE-150A
	175	8	52	4670	22300	100 kA	aR	FWE-175A
	200	9	56	6900	31600	100 kA	aR	FWE-200A
	225	10	69	7880	34600	100 kA	aR	FWE-225A
	250	11	79	9940	46700	100 kA	aR	FWE-250A
	275	12	83	13000	57000	100 kA	aR	FWE-275A
	300	13	87	16800	73900	100 kA	aR	FWE-300A
	350	15	100	21100	132000	100 kA	aR	FWE-350A
	400	16	110	31500	186000	100 kA	aR	FWE-400A
	450	19	139	35300	161000	100 kA	aR	FWE-450A
	500	21	155	49300	197000	100 kA	aR	FWE-500A
	550	23	167	58600	312000	100 kA	aR	FWE-550A
	600	25	180	74700	335000	100 kA	aR	FWE-600A

Dimensions (cm)







Catalogue number	A	B	C	D	E	F	G	H
70A to 100A	72.2	93	110	25.4	9	11	19	2.2
125A to 200A	72.2	93	110	31	9	11	25	3
225A to 300A	72.2	100	122	38.1	11	13	28	3.5
350A to 400A	72.2	100	122	50.8	11	13	28	5
450A to 600A	72.2	100	122	63.5	11	13	40	6

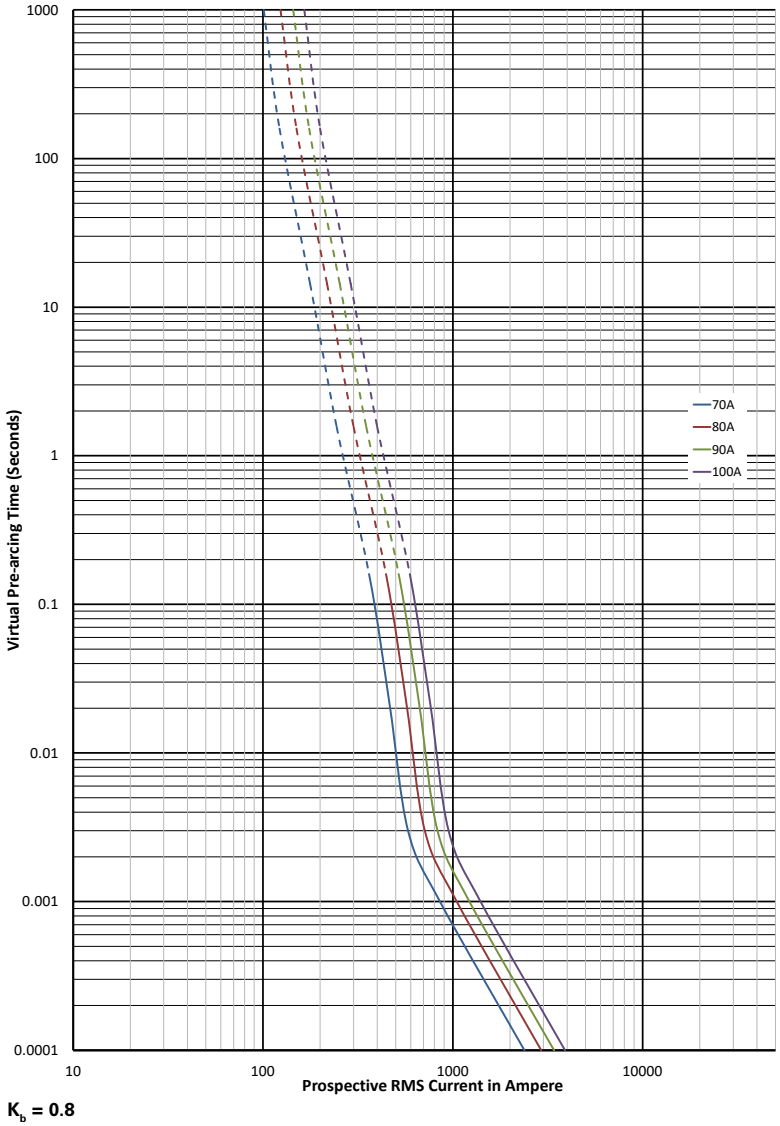
Data sheet: TD135012

Downloaded from Arrow.com.

North American fuse links

1000 V d.c. (IEC/UL) - 70 A to 600 A - FWE

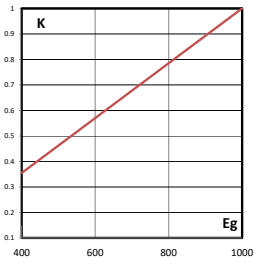
Time-current curve - 70 A to 100 A - 25 mm fuse links



$K_b = 0.8$

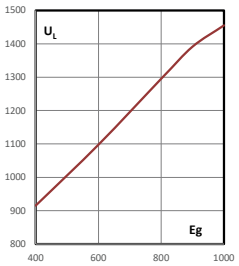
Total clearing I²t

The total clearing I²t at rated voltage and tested DC time constant are given in electrical characteristics. For other voltages the clearing I²t is found by multiplying by correction factor, K, given as a function of applied working voltages, E_g.



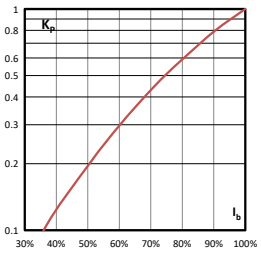
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, at a time constant of 10ms.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.

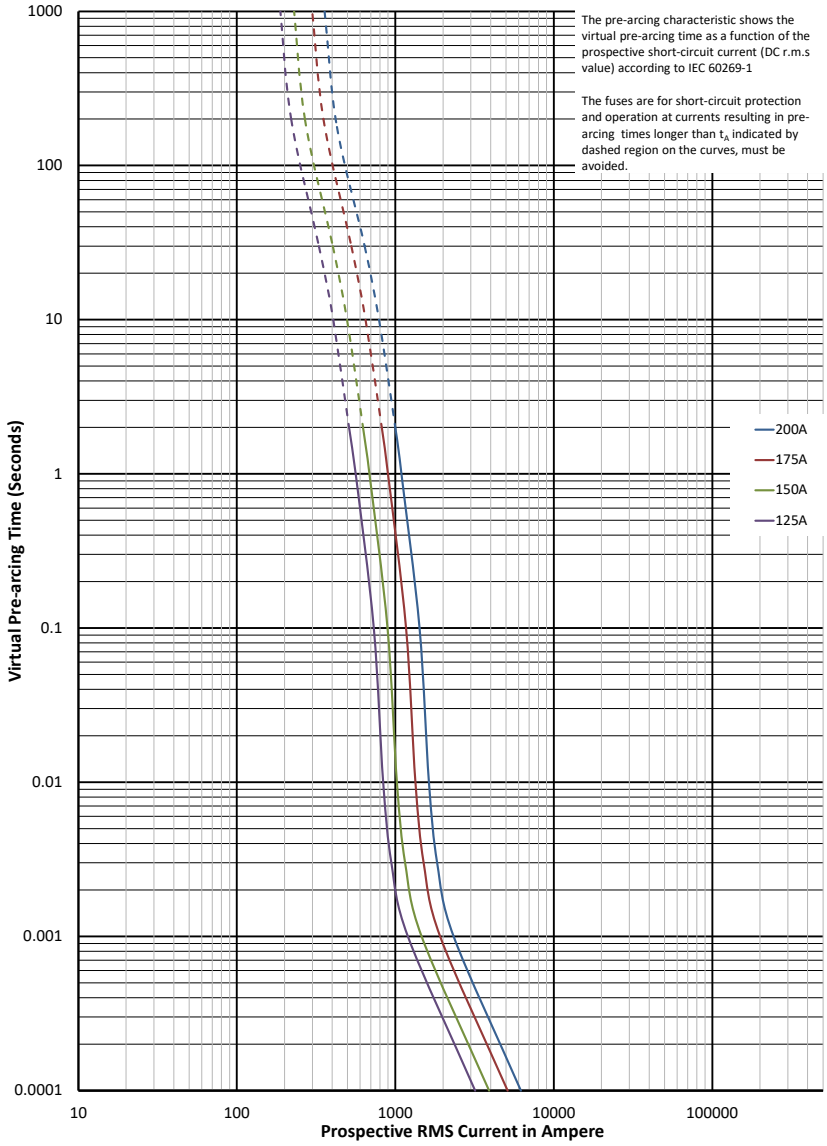


Data sheet: TD135012

Downloaded from Arrow.com.

1000 V d.c. (IEC/UL) - 70 A to 600 A - FWE

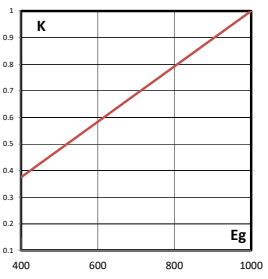
Time-current curve - 125 A to 200 A - 30 mm fuse links



$K_b = 0.8$

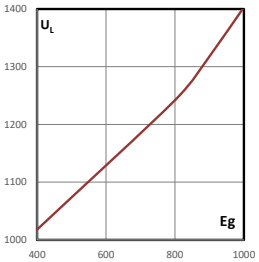
Total clearing I²t

The total clearing I²t at rated voltage and tested DC time constant are given in electrical characteristics. For other voltages the clearing I²t is found by multiplying by correction factor, K, given as a function of applied working voltages, E_g.



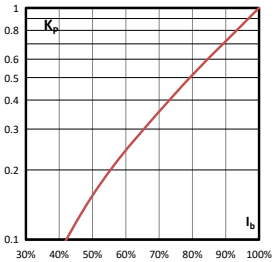
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, at a time constant of 10ms.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.



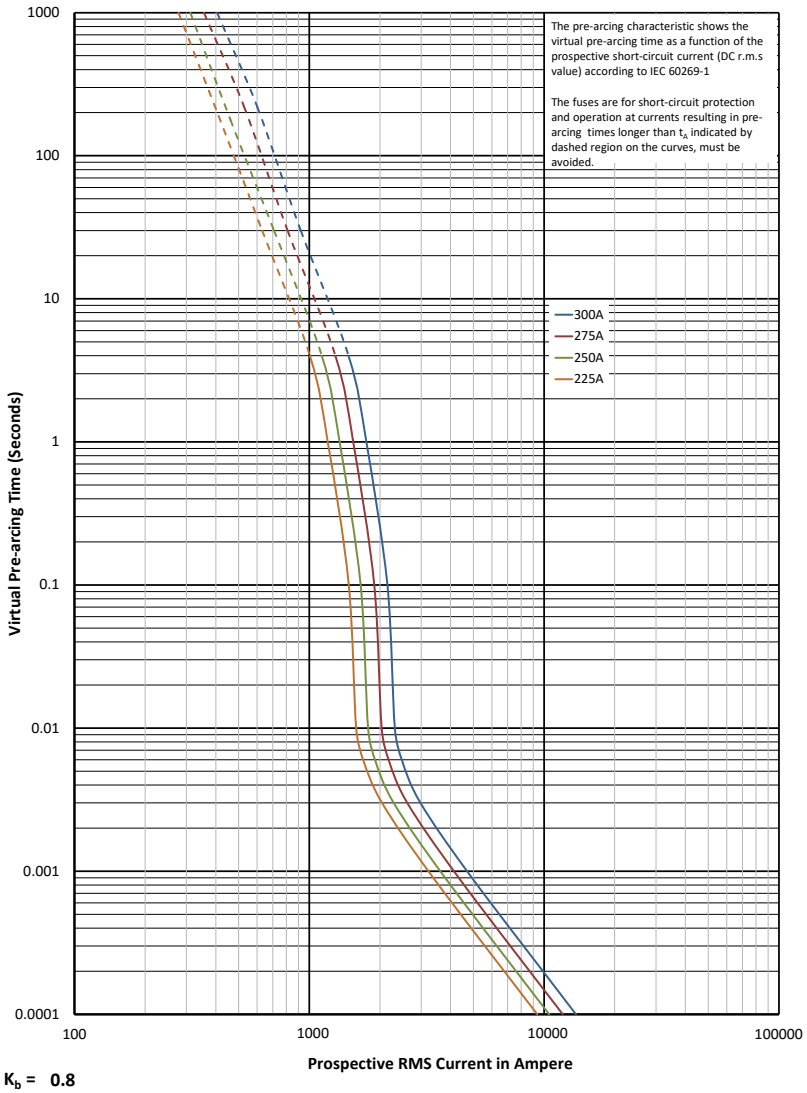
Data sheet: TD135012

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North American fuse links

1000 V d.c. (IEC/UL) - 70 A to 600 A - FWE

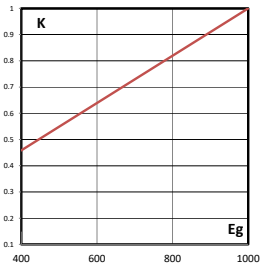
Time-current curve - 225 A to 300 A - 40 mm fuse links



K_b = 0.8

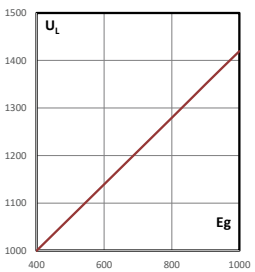
Total clearing I²t

The total clearing I²t at rated voltage and tested DC time constant are given in electrical characteristics. For other voltages the clearing I²t is found by multiplying by correction factor, K, given as a function of applied working voltages, E_g.



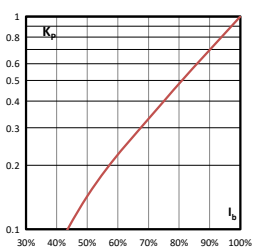
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, at a time constant of 10ms.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.

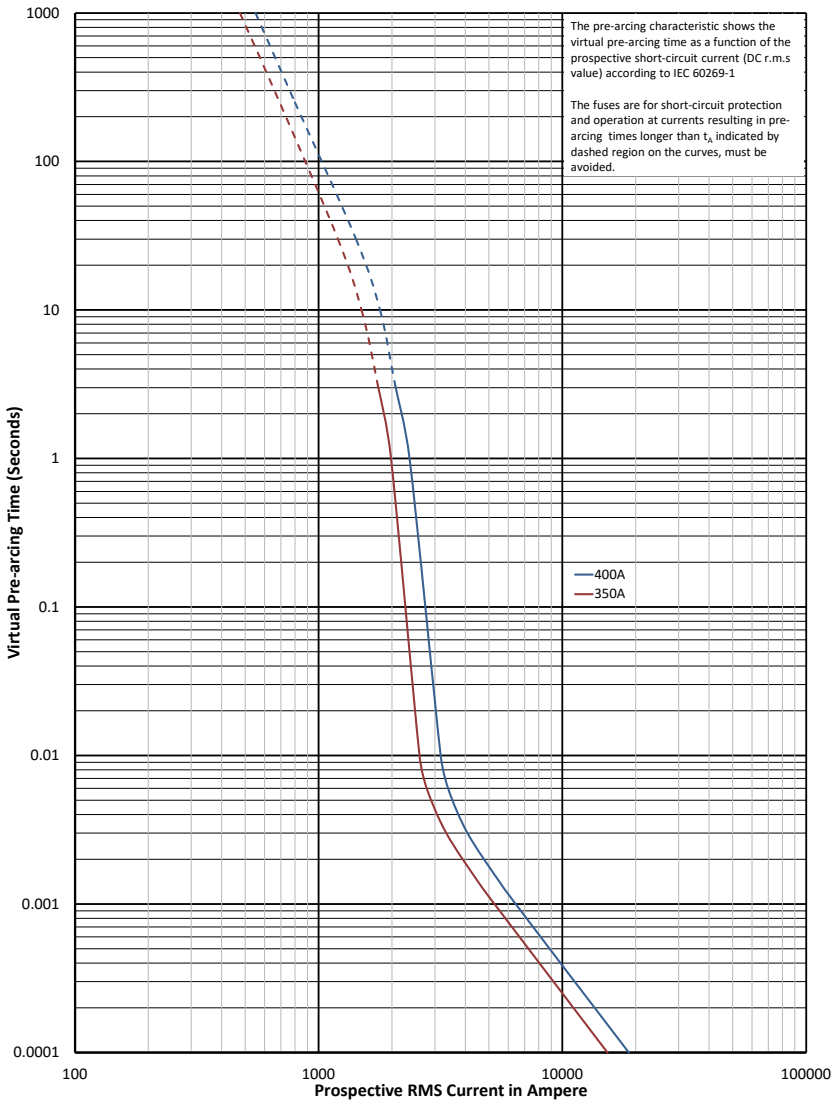


Data sheet: TD135012

Downloaded from Arrow.com.

1000 V d.c. (IEC/UL) - 70 A to 600 A - FWE

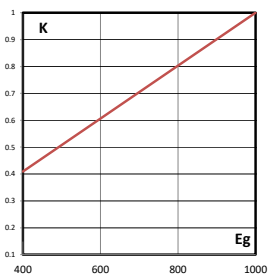
Time-current curve - 350 A and 400 A - 50 mm fuse links



K_b = **0.8**

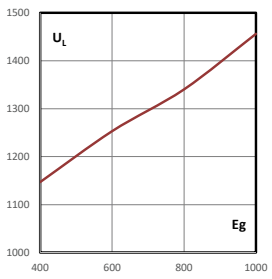
Total clearing I²t

The total clearing I²t at rated voltage and tested DC time constant are given in electrical characteristics. For other voltages the clearing I²t is found by multiplying by correction factor, K, given as a function of applied working voltages, E_g.



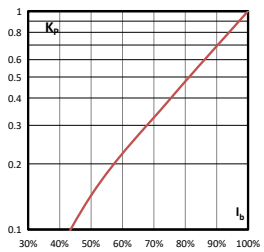
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, at a time constant of 10ms.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.



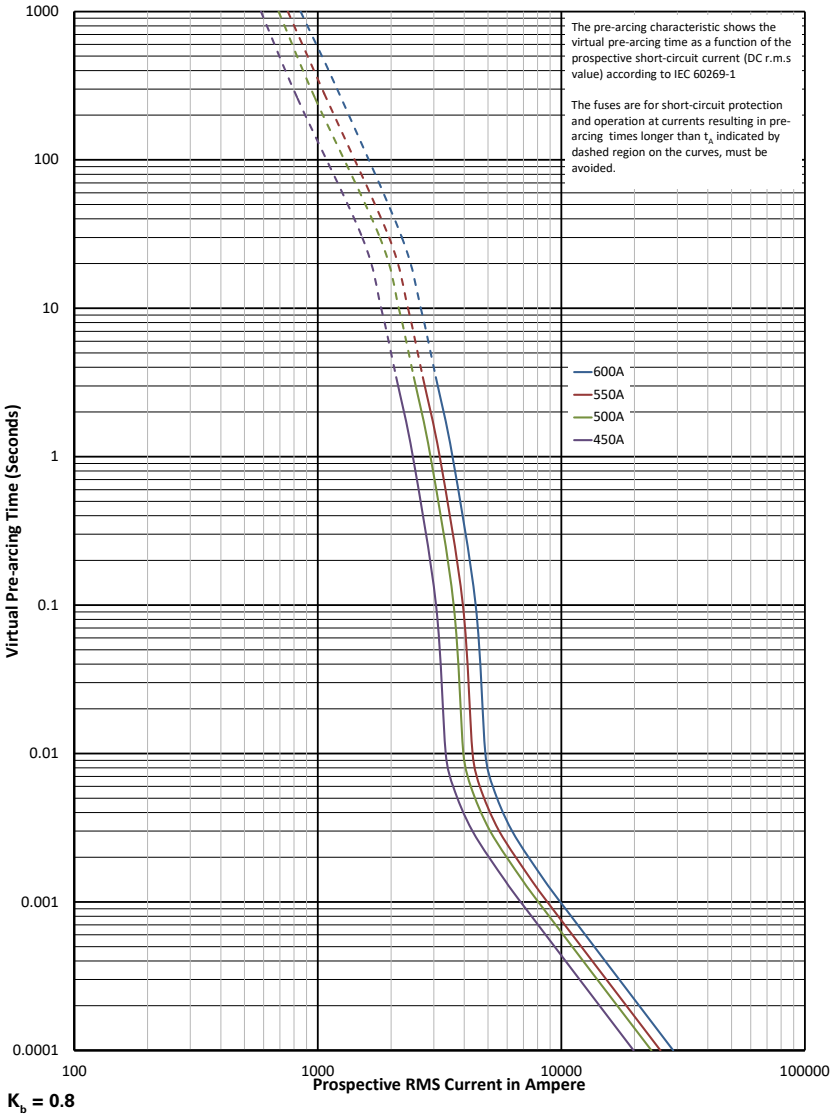
Data sheet: TD135012

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North American fuse links

1000 V d.c. (IEC/UL) - 70 A to 600 A - FWE

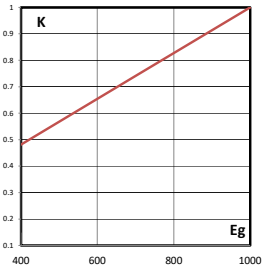
Time-current curve - 450 A to 600 A - 60 mm fuse links



$K_b = 0.8$

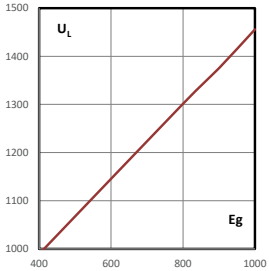
Total clearing I²t

The total clearing I²t at rated voltage and tested DC time constant are given in electrical characteristics. For other voltages the clearing I²t is found by multiplying by correction factor, K, given as a function of applied working voltages, E_g.



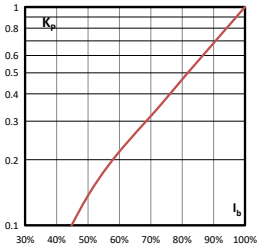
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, at a time constant of 10ms.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.



Data sheet: TD135012

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British standard BS88 fuse links

240 V a.c. / 150 V d.c. (IEC), 250-280 V a.c. / 150 V d.c. (UL) - 6 A to 180 A - LCT, LET

Description

BS88 style bolted tags fuse high speed links for the protection of DC common bus, DC drives, power converters/rectifiers and reduced rated voltage starters. Low Watts loss in a compact size.



Technical Data

- Rated voltage:
  - LCT 240 V a.c. / 150 V d.c. (IEC)
    250 V a.c. / 150 V d.c. (UL)
  - LET 280 V a.c. / 150 V d.c. (UL, 25 A to 160 A)
    250 V a.c. / 150 V d.c. (UL 180 A)
- Rated current: 6 A to 180 A
- Breaking capacity:
  - 200 kA RMS Sym.
  - 50 kA DC at 150 V d.c.
- Operating Class: aR

Compatible trip indicator and microswitch for LET fuse links

- See details page 395

Standards / Agency information

CE, designed and tested to BS88 part 4, IEC 60269 Part 4, UL Recognised and CCC (LCT only). All fuse links have been tested at 318V a.c..Consult Eaton for specific UL recognition status.

Catalogue numbers

Fuse link type	Rated voltage	Rated current (Amps)	I^2t (A^2 Sec) Pre-arcing	I^2t (A^2 Sec) Clearing at 240 V a.c.	Watts loss (W)	Catalogue numbers
LCT	240 V a.c. / 150 V d.c. (IEC) 250 V a.c. / 150 V d.c. (UL)	6	2	9	1	6LCT
		10	3.8	22	2.5	10LCT
		12	7	32	2.5	12LCT
		16	20	100	2.5	16LCT
		20	25	160	4	20LCT
LET	280 V a.c. / 150 V d.c. (UL)	25	18	250	4	25LET
		32	32	450	5	32LET
		35	50	600	5	35LET
		50	100	1400	7	50LET
		63	180	2200	9	63LET
		80	300	3800	10	80LET
		100	600	7500	10	100LET
		125	600	7500	16	125LET
		160	1100	16,000	20	160LET
	250 V a.c. / 150 V d.c. (UL)	180	1600	29,000	21	180LET

Note: 7LET, 10LET, 12LET and 16LET are available for replacement purposes on existing equipment.

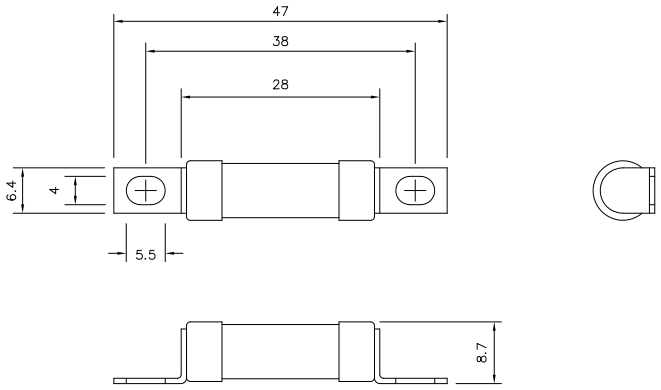
Data sheets: 720004, 5785296 (LCT), 5785293 (LET)

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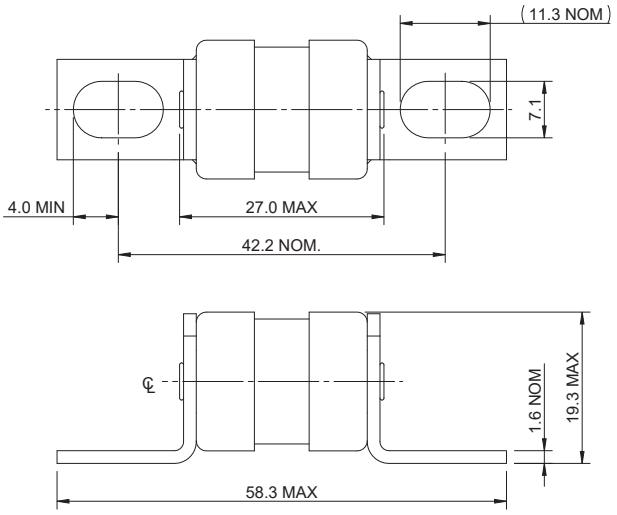
British standard BS88 fuse links

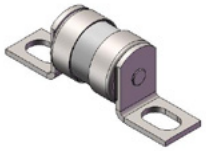
240 V a.c. / 150 V d.c. (IEC), 250-280 V a.c. / 150 V d.c. (UL) - 6 A to 180 A - LCT, LET

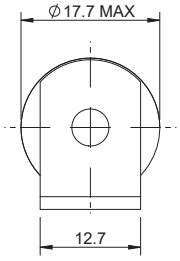
Dimensions (mm) - LCT



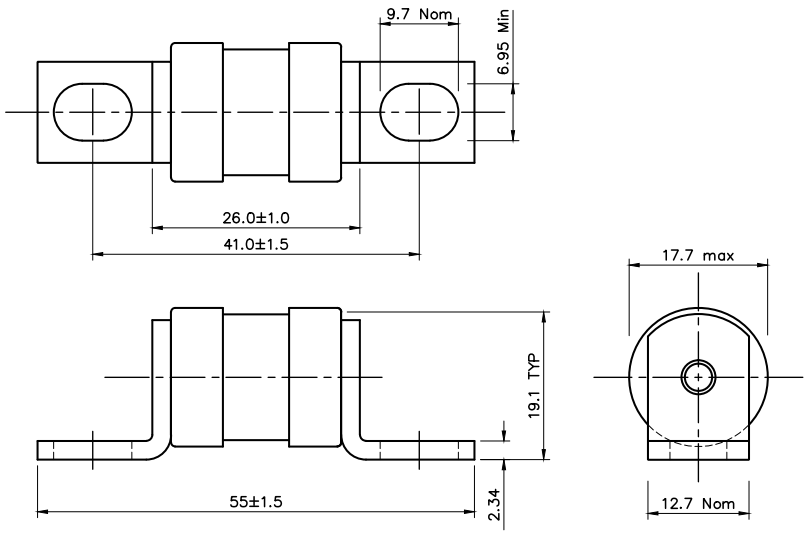
Dimensions (mm) - LET, up to 63 A







Dimensions (mm) - LET, greater than 63 A



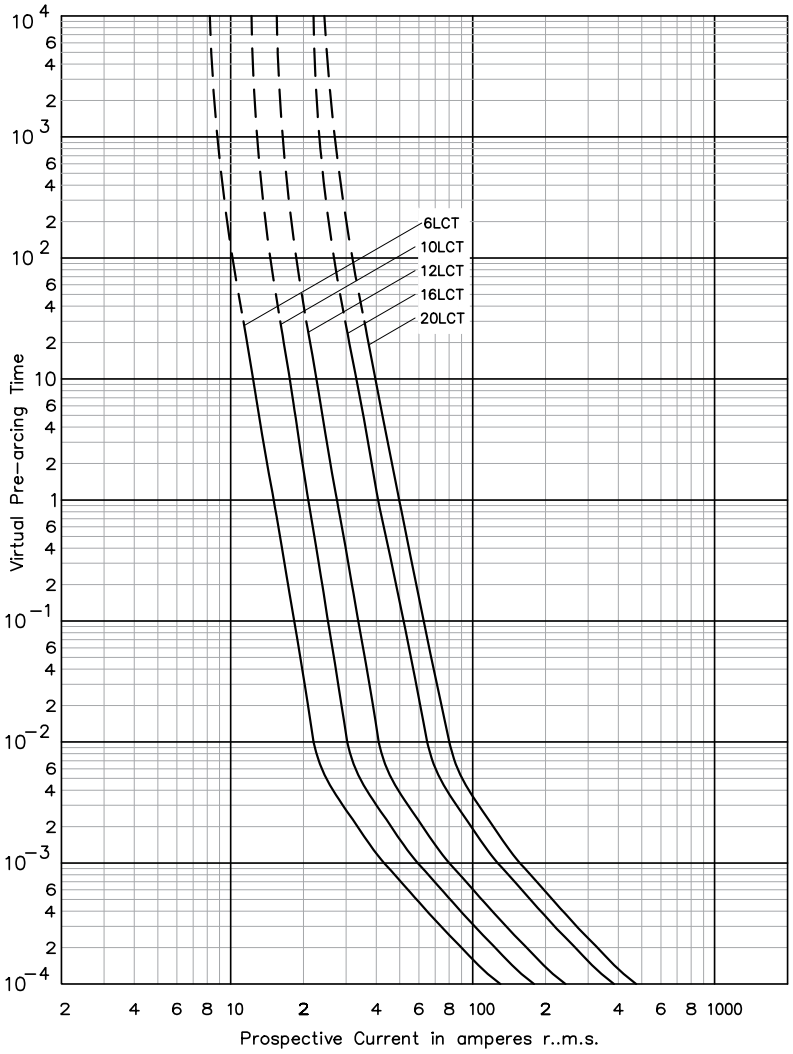
Indicator (optional).

Data sheets: 720004, 5785296 (LCT), 5785293 (LET)

Downloaded from Arrow.com.

240 V a.c. / 150 V d.c. (IEC), 250-280 V a.c. / 150 V d.c. (UL) - 6 A to 180 A - LCT, LET

Time-current curve - LCT, 6 A to 20 A



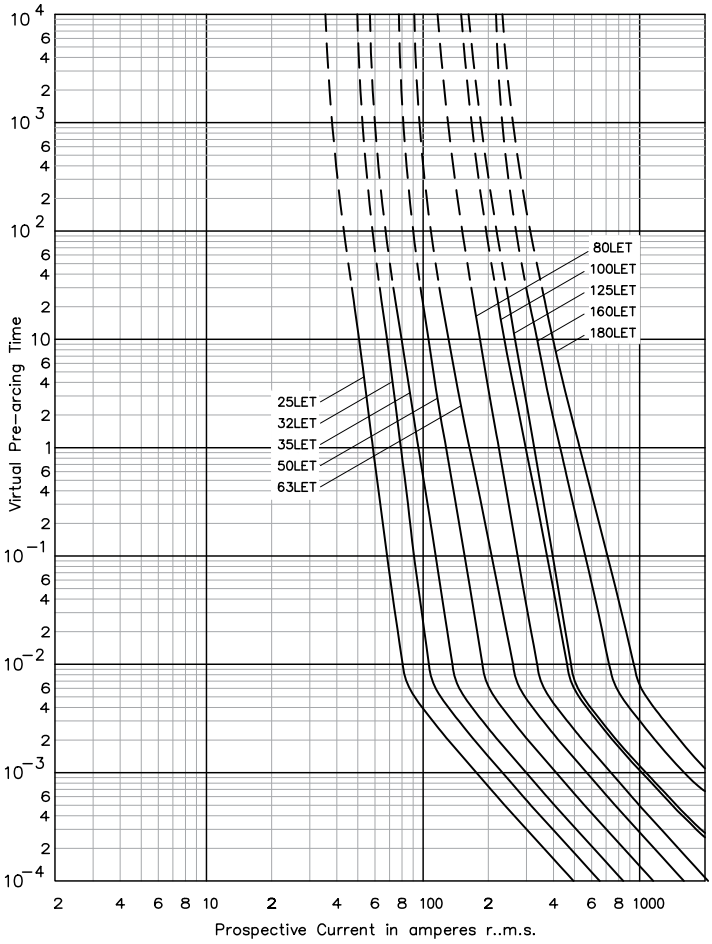
Data sheets: 720004, 5785296 (LCT), 5785293 (LET)

Downloaded from Arrow.com.

British standard BS88 fuse links

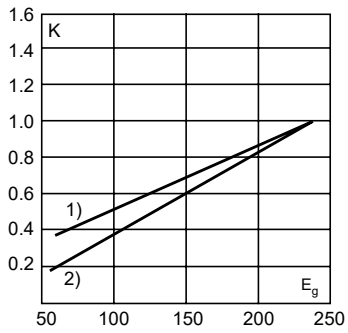
240 V a.c. / 150 V d.c. (IEC), 250-280 V a.c. / 150 V d.c. (UL) - 6 A to 180 A - LCT, LET

Time-current curve - LET, 25 A to 180 A



Total clearing I²t

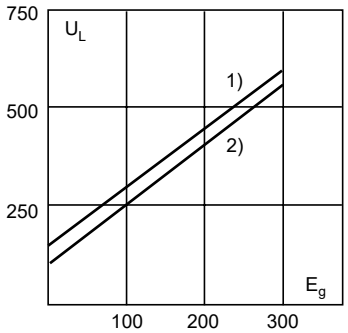
The total clearing I²t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I²t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



1) LCT
2) LET

Arc voltage

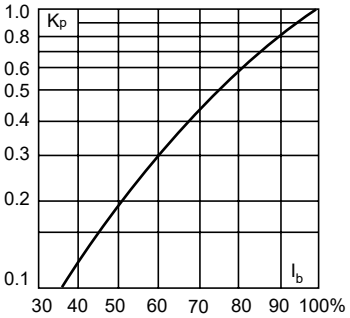
This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



1) LCT
2) LET

Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.



Data sheets: 720004, 5785296 (LCT), 5785293 (LET)

Downloaded from Arrow.com.

240 V a.c. / 150 V d.c. (IEC), 250 V a.c. / 150 V d.c. (UL) - 160 A to 900 A - LMT, LMMT

Description

BS88 style bolted tags high speed fuse links for the protection of DC common bus, DC drives, power converters/rectifiers and reduced rate voltage starters. Low watts loss in a compact size.



Technical Data

- Rated voltage:
  - 240 V a.c. / 150 V d.c. (IEC)
  - 250 V a.c. / 150 V d.c. (UL)
- Rated current: 160 A to 900 A
- Breaking capacity:
  - 200 kA RMS Sym., 40 kA at 150 V d.c. (IEC)
  - 200 kA RMS Sym., 50 kA at 150 V d.c. (UL)
- Operating Class: aR

Compatible trip indicator and microswitch

- See details page 395

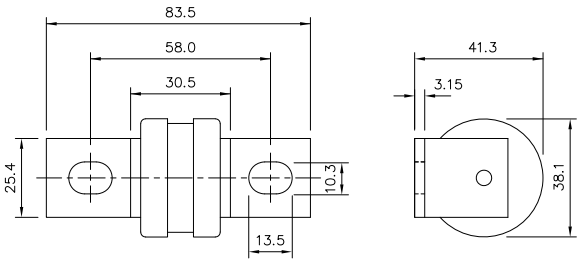
Standards / Agency information

CE, designed and tested to BS88 part 4, IEC 60269 Part 4, UL recognised and CCC. All fuse links have been tested at 318V a.c. Consult Eaton for specific UL recognition status.

Catalogue numbers

Fuse link type	Rated voltage	Rated current (Amps)	I^2t (A^2 Sec) Pre-arcing	I^2t (A^2 Sec) Clearing at 120 V a.c.	I^2t (A^2 Sec) Clearing at 240 V a.c.	Watts loss (W)	Catalogue numbers
LMT Single barrel	240 V a.c. / 150 V d.c. (IEC) 250 V a.c. / 150 V d.c. (UL)	160	1100	7000	16,000	17	160LMT
		200	1500	10,000	20,000	28	200LMT
		250	3200	20,000	40,000	28	250LMT
		315	6000	35,000	75,000	35	315LMT
		355	8000	50,000	100,000	35	355LMT
		400	14,000	70,000	160,000	40	400LMT
		450	18,000	100,000	220,000	42	450LMT
LMMT Double barrel	240 V a.c. / 150 V d.c. (IEC) 250 V a.c. / 150 V d.c. (UL)	400	6000	35,000	80,000	60	400LMMT
		500	14,000	80,000	170,000	64	500LMMT
		630	24,000	150,000	300,000	75	630LMMT
		710	32,000	200,000	460,000	77	710LMMT
		800	52,000	300,000	600,000	82	800LMMT
		900	75,000	400,000	800,000	97	900LMMT

Dimensions (mm) - LMT (indicator optional)



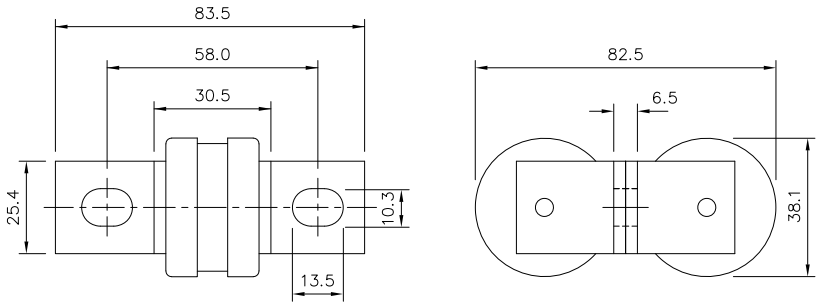
Data sheets: 720004, 5785296 (LCT), 5785293 (LET)

Downloaded from Arrow.com.

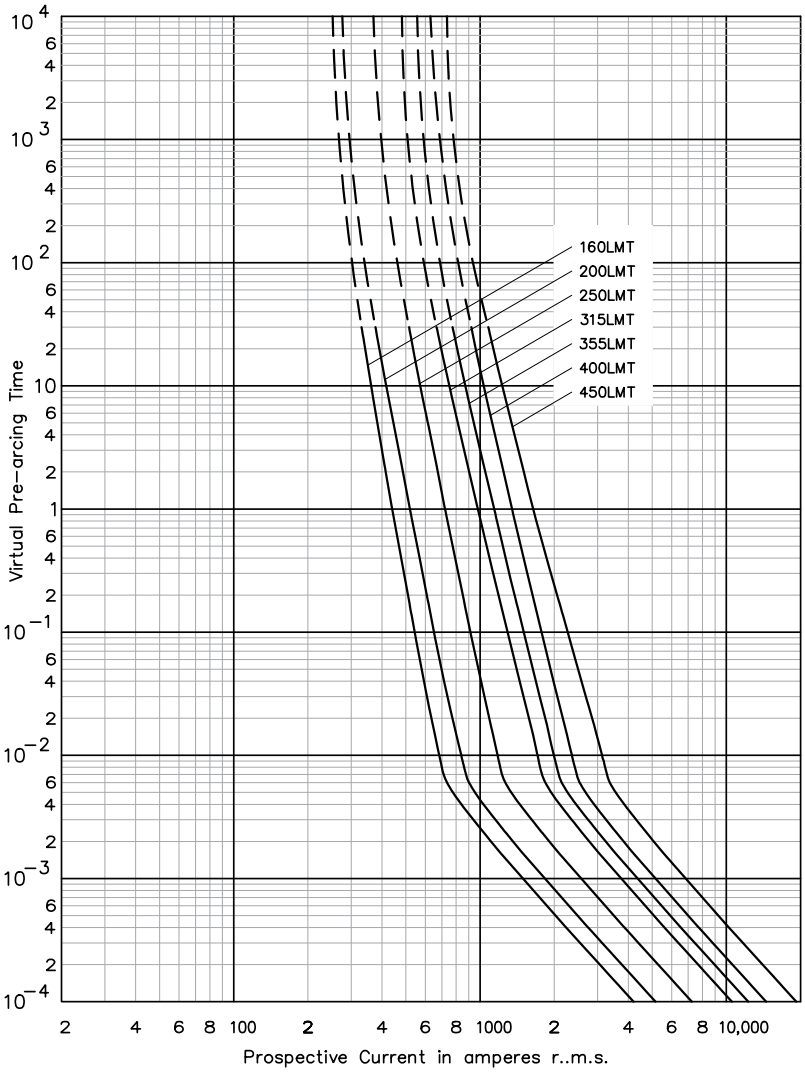
British standard BS88 fuse links

240 V a.c. / 150 V d.c. (IEC), 250 V a.c. / 150 V d.c. (UL) - 160 A to 900 A - LMT, LMMT

Dimensions (mm) - LMMT (indicator optional)



Time-current curve - LMT, 160 A to 450 A

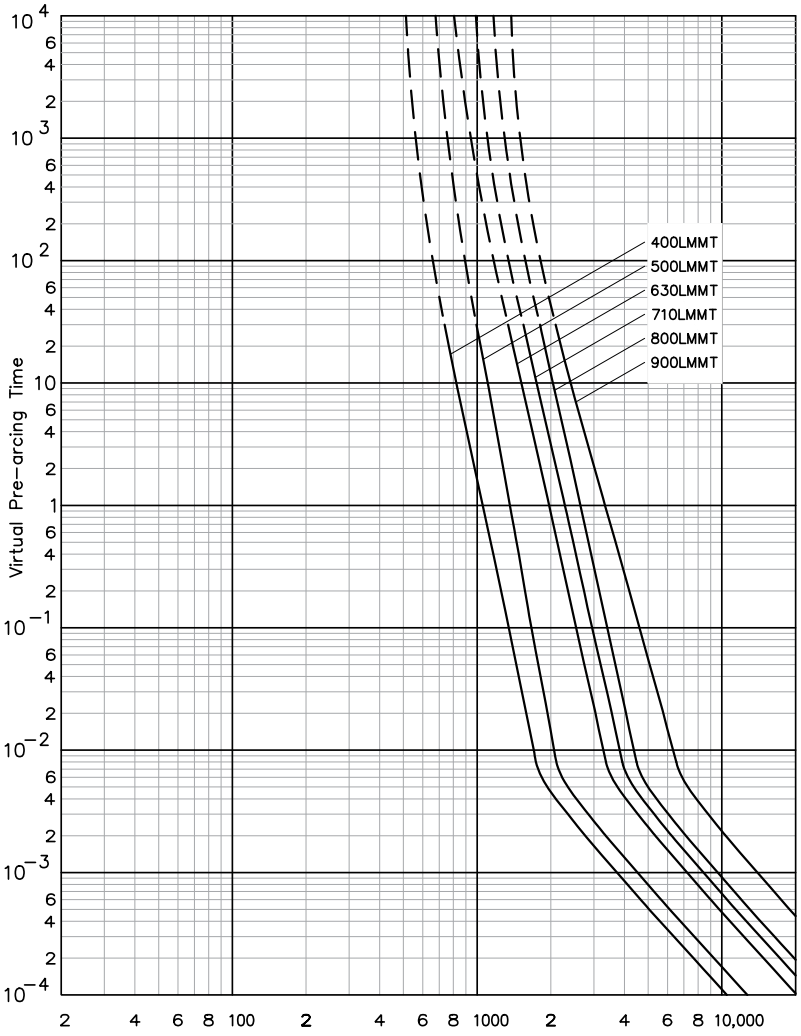


Data sheets: 720004, 5785296 (LCT), 5785293 (LET)

Downloaded from Arrow.com.

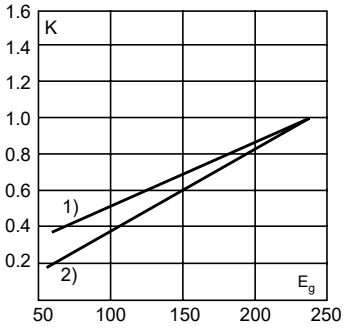
240 V a.c. / 150 V d.c. (IEC), 250 V a.c. / 150 V d.c. (UL) - 160 A to 900 A - LMT, LMMT

Time-current curve - LMMT, 400 A to 900 A



Total clearing I^2t

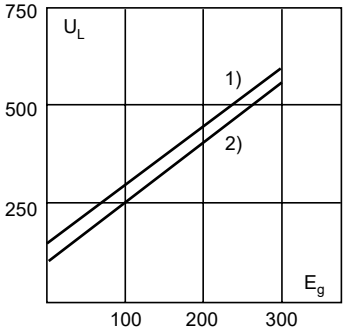
The total clearing I^2t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I^2t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



2) LMT, LMMT

Arc voltage

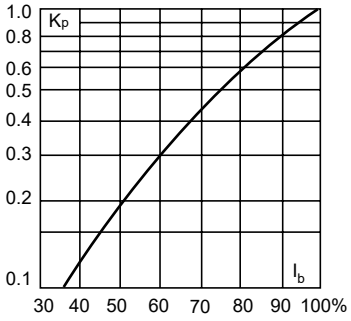
This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



2) LMT, LMMT

Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.



Data sheets: 720004, 5785296 (LCT), 5785293 (LET)

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British standard BS88 fuse links

690 V a.c. / 500 V d.c. (IEC), 700 V a.c ./ 500 V d.c. (UL) - 6 A to 200 A - CT, ET, FE, EET, FEE

Description

BS88 style bolted tags high speed fuse links for the protection of DC common bus, DC drives, power converters / rectifiers and reduced rated voltage starters.



Technical data

- Rated voltage:
  - 690 V a.c. / 500 V d.c. (IEC)
  - 700 V a.c. / 500 V d.c. (UL)
- Rated current: 6 A to 200 A
- Breaking capacity:
  - CT: 90 kA RMS Sym., 40 kA at 500 V d.c. (IEC)
  - 200 kA RMS Sym., 50 kA at 500 V d.c. (UL)
  - ET, EET, FE and FEE: 200 kA RMS Sym.,50 kA at 500 V d.c.
- Operating Class: aR.

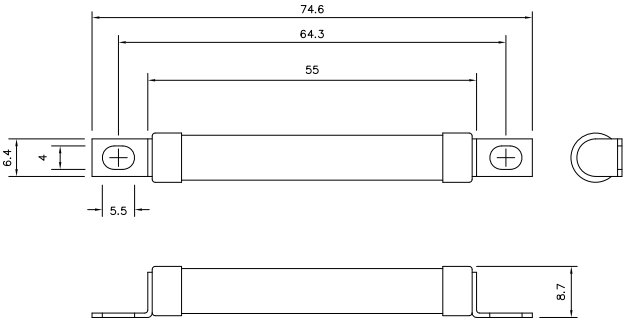
Compatible trip indicator and microswitch

- See details page 395

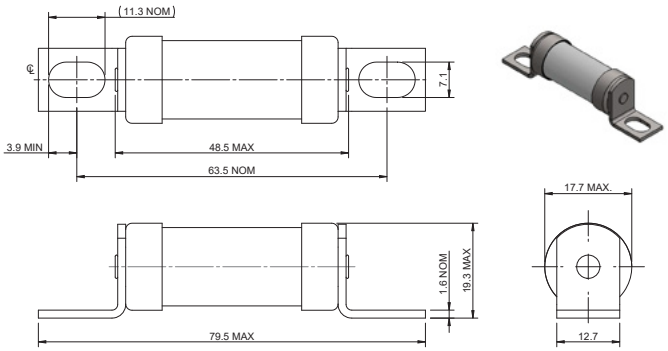
Standards / Agency information

CE, designed and tested to BS88 part 4, IEC 60269 Part 4, Consult Eaton for specific UL Recognition status. CCC for ET, FE, EET, FEE.

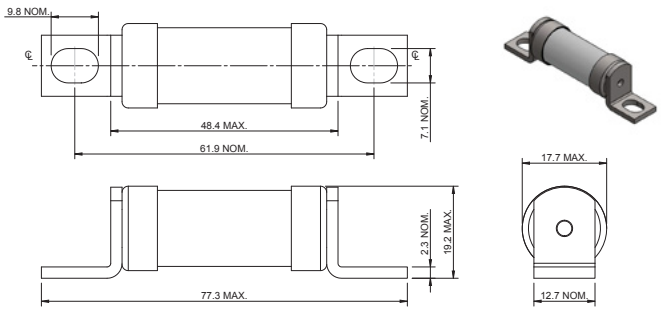
Dimensions (mm) - CT



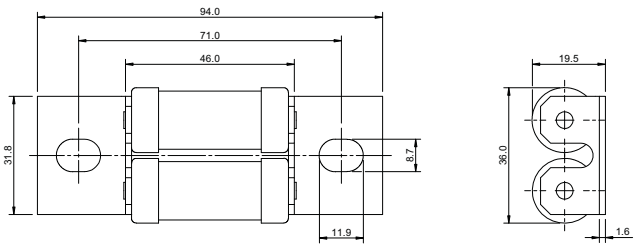
Dimensions (mm) - ET, FE up to 63 A



Dimensions (mm) - ET, FE greater than 63 A



Dimensions (mm) - EET and FEE



Data sheets: 720024, 5785312 (CT, ET), 5785314 (FE), 5785313 (EET), 5785292 (FEE)

Downloaded from Arrow.com.

690 V a.c. / 500 V d.c. (IEC), 700 V a.c ./ 500 V d.c. (UL) - 6 A to 200 A - CT, ET, FE, EET, FEE

Catalogue numbers

			I^2t (A^2 Sec)				
Fuse link type	**Rated voltage**	**Rated current (Amps)**	**Pre-arcing**	**Clearing at 415V a.c.**	**Clearing at 660 V a.c.**	**Watts loss (W)**	**Catalogue numbers**
CT	690 V a.c. / 500 V d.c. (IEC) 700 V a.c. / 500 V d.c. (UL)	6	1.8	8.5	12	2	6CT
		10	7	30	48	3	10CT
		12	10	40	65	3	12CT
		16	16	66	110	7	16CT
		20	32	150	220	7	20CT
ET	690 V a.c. / 500 V d.c. (IEC) 700 V a.c. / 500 V d.c. (UL)	25	25	150	250	7	25ET
		32	32	190	350	11	32ET
		35	52	310	500	11	35ET
		40	103	600	900	9	40ET
		45	103	680	1100	11	45ET
		56	135	950	1500	14	56ET
		63	171	1200	2000	16	63ET
		80	360	2500	4000	18	80ET
FE	690 V a.c. / 500 V d.c. (IEC) 700 V a.c. / 500 V d.c. (UL)	35	33	130	200	9	35FE
		40	52	180	300	9	40FE
		45	76	270	450	11	45FE
		50	103	380	600	11	50FE
		63	135	480	750	12	63FE
		71	210	600	950	17	71FE
		80	250	900	1500	20	80FE
		90	360	1300	2100	20	90FE
		100	470	1800	2800	23	100FE
EET	690 V a.c. / 500 V d.c. (IEC) 700 V a.c. / 700 V d.c. (UL)	90	490	3000	4500	19	90EET
		110	600	4000	6500	27	110EET
		140	1050	7000	12,000	35	140EET
		160	1500	10,000	17,000	39	160EET
FEE	690 V a.c. / 500 V d.c. (IEC) 700 V a.c. / 500 V d.c. (UL)	100	400	1600	2400	24	100FEE
		120	540	1900	3100	32	120FEE
		140	850	2500	3800	36	140FEE
		160	1000	3700	5700	46	160FEE
		180	1400	5300	8400	46	180FEE
		200	1900	7100	11,400	52	200FEE

Note: FC, 8ET, 12ET, 15ET, 20ET, 65EET and 75EET are available for replacement purposes on existings equipment.

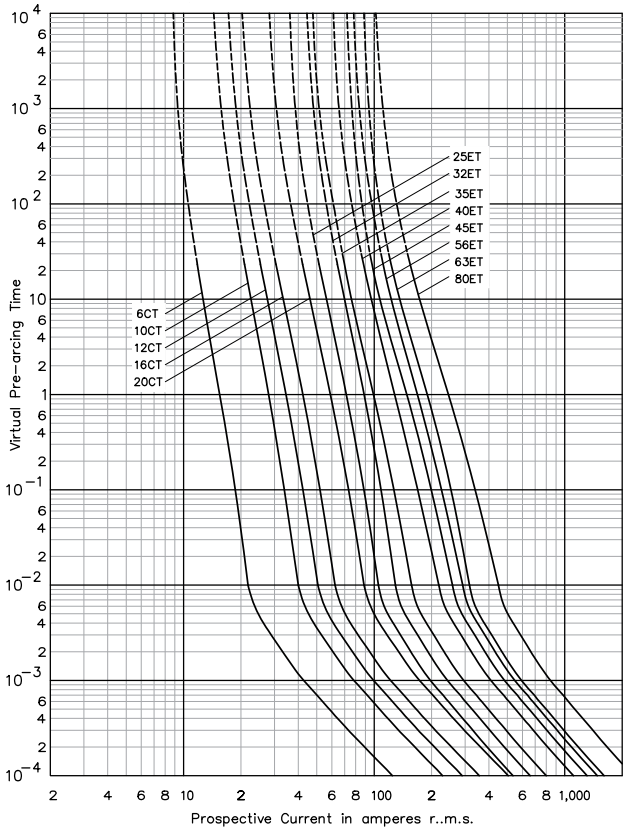
Data sheets: 720024, 5785312 (CT, ET), 5785314 (FE), 5785313 (EET), 5785292 (FEE)

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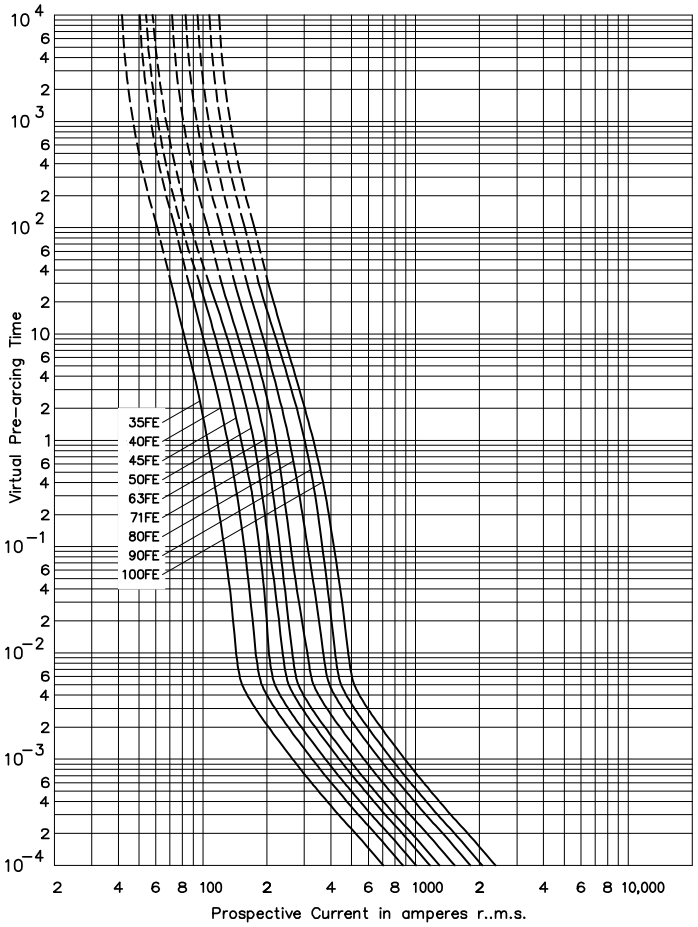
British standard BS88 fuse links

690 V a.c. / 500 V d.c. (IEC), 700 V a.c ./ 500 V d.c. (UL) - 6 A to 200 A - CT, ET, FE, EET, FEE

Time-current curve - CT, 6 A to 20 A and ET 25 A to 80 A



Time-current curve - FE, 35 A to 100 A

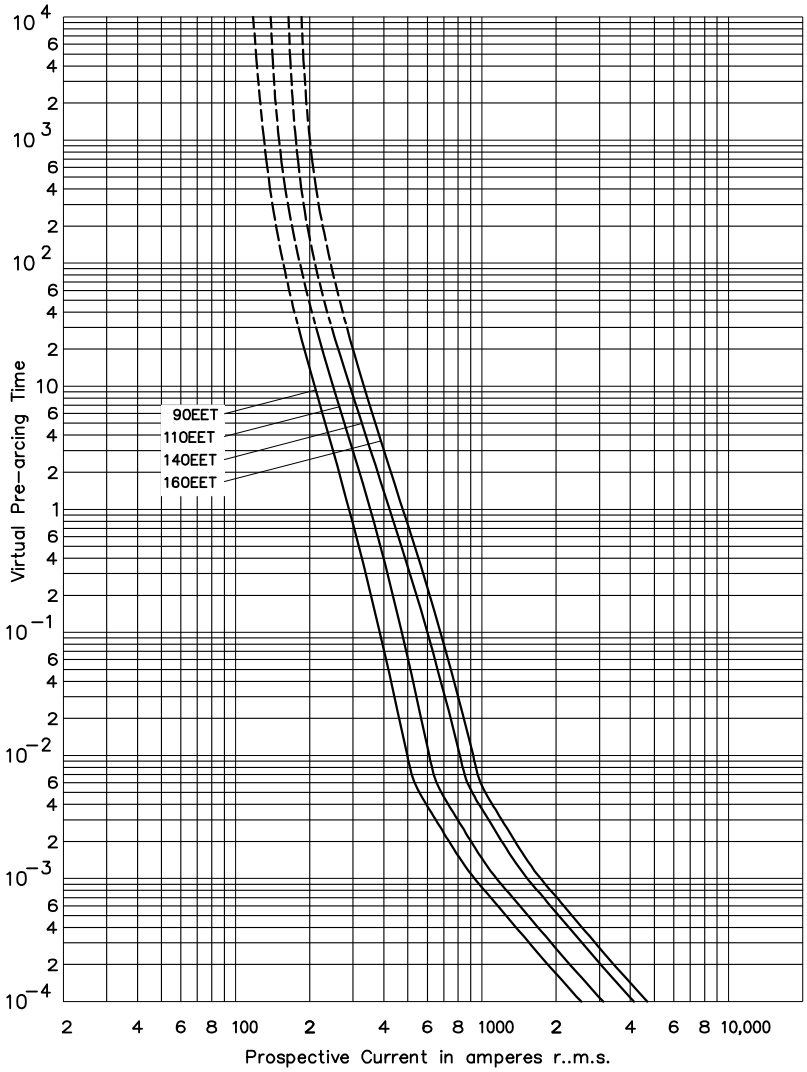


Data sheets: 720024, 5785312 (CT, ET), 5785314 (FE), 5785313 (EET), 5785292 (FEE)

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690 V a.c. / 500 V d.c. (IEC), 700 V a.c ./ 500 V d.c. (UL) - 6 A to 200 A - CT, ET, FE, EET, FEE

Time-current curve - EET, 90 A to 160 A



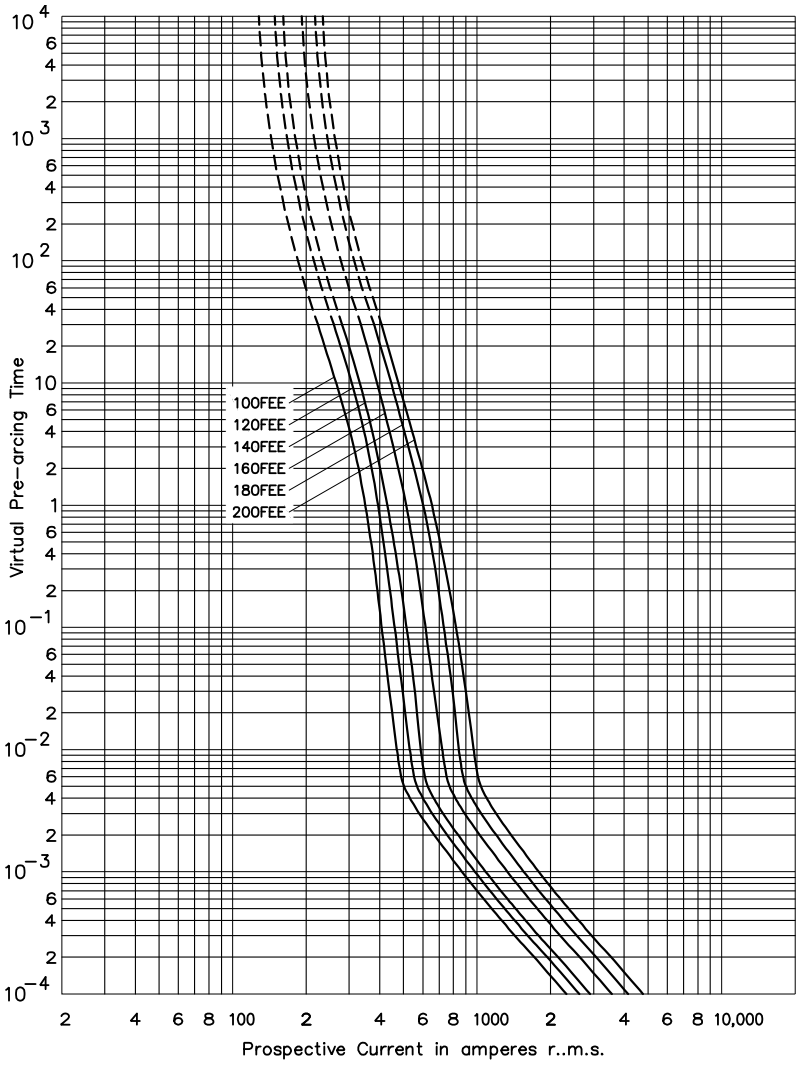
Data sheets: 720024, 5785312 (CT, ET), 5785314 (FE), 5785313 (EET), 5785292 (FEE)

Downloaded from Arrow.com.

British standard BS88 fuse links

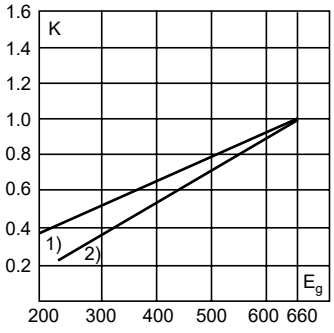
690 V a.c. / 500 V d.c. (IEC), 700 V a.c ./ 500 V d.c. (UL) - 6 A to 200 A - CT, ET, FE, EET, FEE

Time-current curve - FEE, 100 A to 200 A



Total clearing I²t

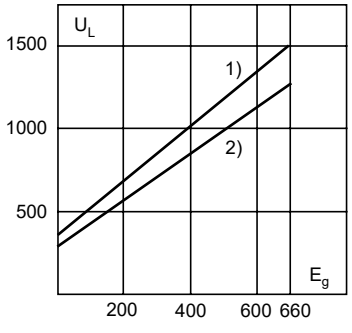
The total clearing I²t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I²t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



1) CT, ET, FE, FEE

Arc voltage

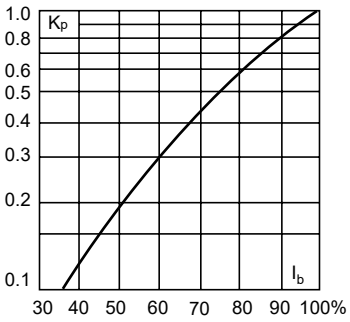
This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



1) CT, ET, FE, FEE

Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.



Data sheets: 720024, 5785312 (CT, ET), 5785314 (FE), 5785313 (EET), 5785292 (FEE)

Downloaded from Arrow.com.

690 V a.c. / 350-450 V d.c. (IEC), 700 V a.c. / 500 V d.c. (UL) - 160 A to 710 A - FM, FMM, MT, MMT

Description

BS88 style bolted tags high speed fuse links for the protection of DC common bus, DC drives, power converters / rectifiers and reduced rated voltage starters.



Technical data

- Rated voltage:
  - FM: 690 V a.c. / 450 V d.c. (IEC); 700 V a.c./500 V d.c. (UL)
  - FMM: 690 V a.c. / 450 V d.c. (IEC)
  - MT and MMT: 690 V a.c. / 350 V d.c. (IEC); 700 V a.c. (UL)
- Rated current: 160 A to 710 A
- Breaking capacity:
  - FM: 200 kA RMS Sym. (IEC/UL), 40 kA at 450 V d.c. (IEC), 50 kA at 500 V d.c. (UL)
  - FMM: 200 kA RMS Sym. (IEC/UL), 40 kA at 450 V d.c. (IEC)
  - MT & MMT: 200 kA RMS Sym. (IEC/UL), 40 kA at 350 V d.c. (IEC)
- Operating Class: aR

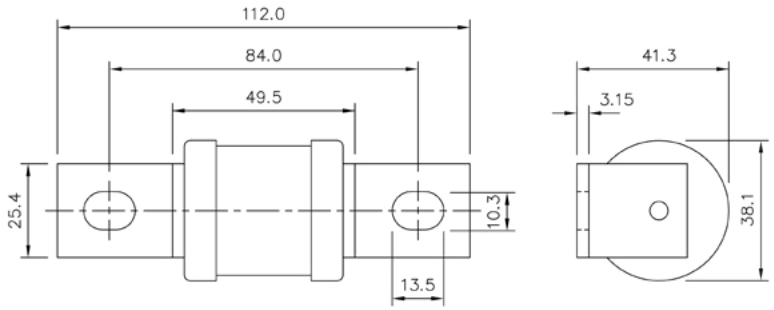
Compatible trip indicator and microswitch

- See details page 395

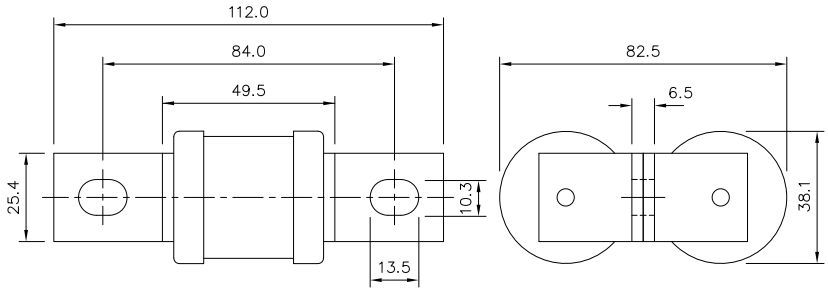
Standards / Agency information

CE, designed and tested to BS88 part 4, IEC 60269 Part 4, UL Recognised. MT and MMT 350 V d.c. (IEC) rating. Consult Eaton for specific UL Recognition status. CCC for FM and FMM.

Dimensions (mm) - FM and MT (indicator optional)



Dimensions (mm) - FMM and MMT (indicator optional)



Data sheets: 720024, 5785314 (FM), 5785313 (MT), 5785292 (FMM), 5785311 (MMT)

Downloaded from Arrow.com.

British standard BS88 fuse links

690 V a.c. / 350-450 V d.c. (IEC), 700 V a.c. / 500 V d.c. (UL) - 160 A to 710 A - FM, FMM, MT, MMT

Catalogue numbers

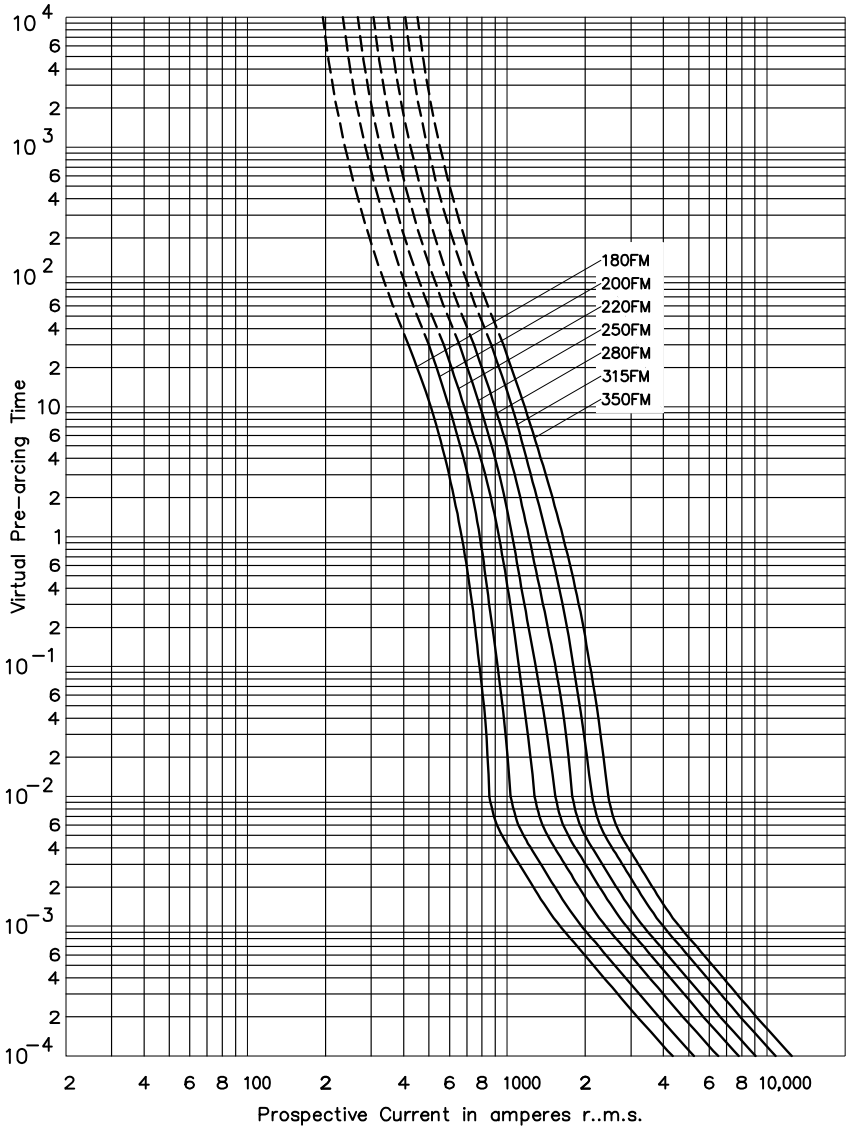
			I^2t (A^2 Sec)				
Fuse link type	**Rated voltage**	**Rated current (Amps)**	**Pre-arcing**	**Clearing at 415V a.c.**	**Clearing at 660 V a.c.**	**Watts loss (W)**	**Catalogue numbers**
FM	690 V a.c. / 450 V d.c. (IEC) 700 V a.c. / 500 V d.c. (UL)	180	1400	7500	13,500	40	180FM
		200	2600	10,500	18,500	40	200FM
		225	3700	14,500	26,500	44	225FM
		250	5200	20,500	37,500	48	250FM
		280	7000	30,500	55,000	48	280FM
		315	10,000	40,000	77,000	55	315FM
		350	15,000	60,000	105,000	55	350FM
FMM	690 V a.c. / 450 V d.c. (IEC)	400	10,000	40,000	72,500	85	400FMM
		450	15,000	60,000	105,000	90	450FMM
		500	20,000	82,000	150,000	100	500FMM
		550	30,000	120,000	215,000	100	550FMM
		630	45,000	180,000	310,000	100	630FMM
		700	60,000	245,000	420,000	120	700FMM
MT	690 V a.c. / 350 V d.c. (IEC) 700 V a.c. (UL)	160	2400	15,000	25,000	26	160MT
		180	3800	25,000	38,000	26	180MT
		200	6000	40,000	58,000	27	200MT
		250	11,500	80,000	110,000	32	250MT
		280	16,500	100,000	150,000	35	280MT
		315	19,000	125,000	180,000	42	315MT
		355	22,000	160,000	200,000	51	355MT
MMT	690 V a.c. / 350 V d.c. (IEC) 700 V a.c. (UL)	180	1650	12,000	18,000	42	180MMT
		200	2200	16,000	23,000	42	200MMT
		225	3700	26,000	40,000	42	225MMT
		280	6600	47,000	70,000	47	280MMT
		315	8600	62,000	91,000	51	315MMT
		355	13,500	97,000	140,000	54	355MMT
		400	21,000	150,000	220,000	60	400MMT
		450	30,000	220,000	320,000	57	450MMT
		500	42,000	300,000	450,000	64	500MMT
		560	60,000	430,000	640,000	64	560MMT
		630	68,500	500,000	720,000	86	630MMT
		710	78,000	600,000	850,000	105	710MMT

Data sheets: 720024, 5785314 (FM), 5785313 (MT), 5785292 (FMM), 5785311 (MMT)

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690 V a.c. / 350-450 V d.c. (IEC), 700 V a.c. / 500 V d.c. (UL) - 160 A to 710 A - FM, FMM, MT, MMT

Time-current curve - FM, 180 A to 350 A



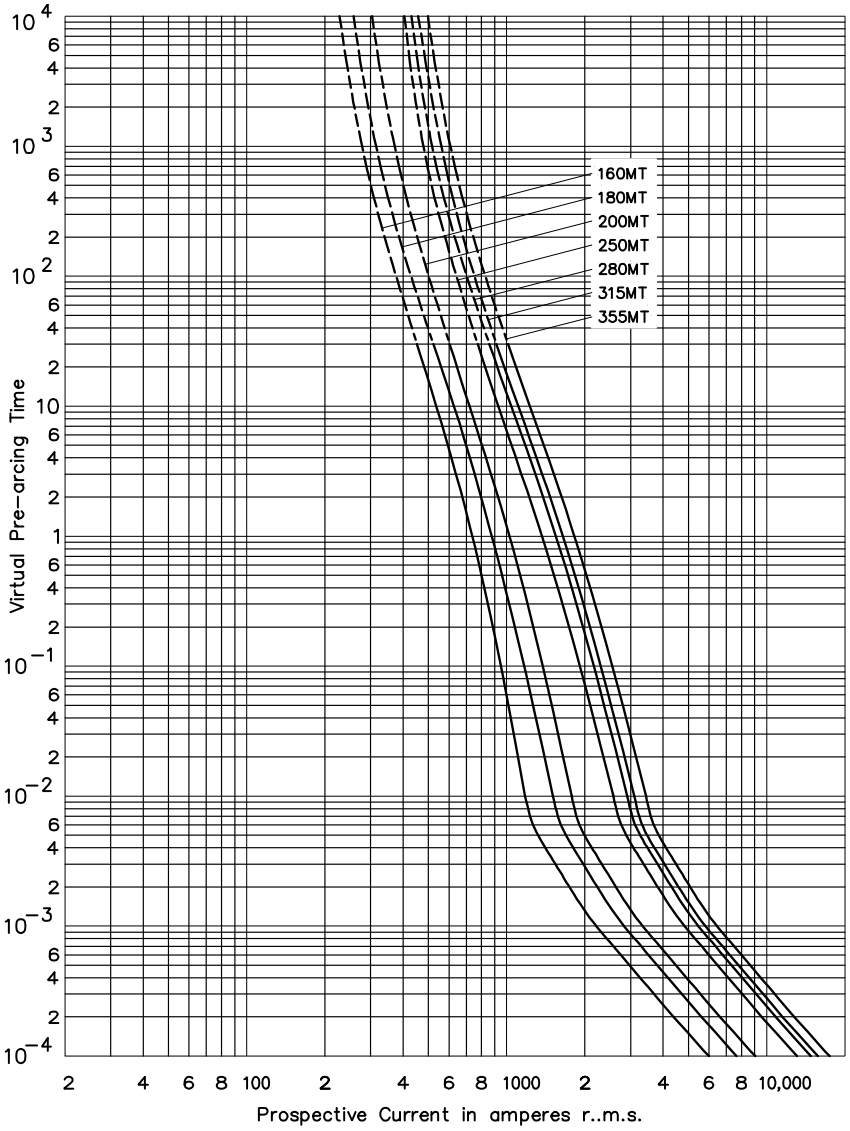
Data sheets: 720024, 5785314 (FM), 5785313 (MT), 5785292 (FMM), 5785311 (MMT)

Downloaded from Arrow.com.

British standard BS88 fuse links

690 V a.c. / 350-450 V d.c. (IEC), 700 V a.c. / 500 V d.c. (UL) - 160 A to 710 A - FM, FMM, MT, MMT

Time-current curve - MT, 160 A to 355 A

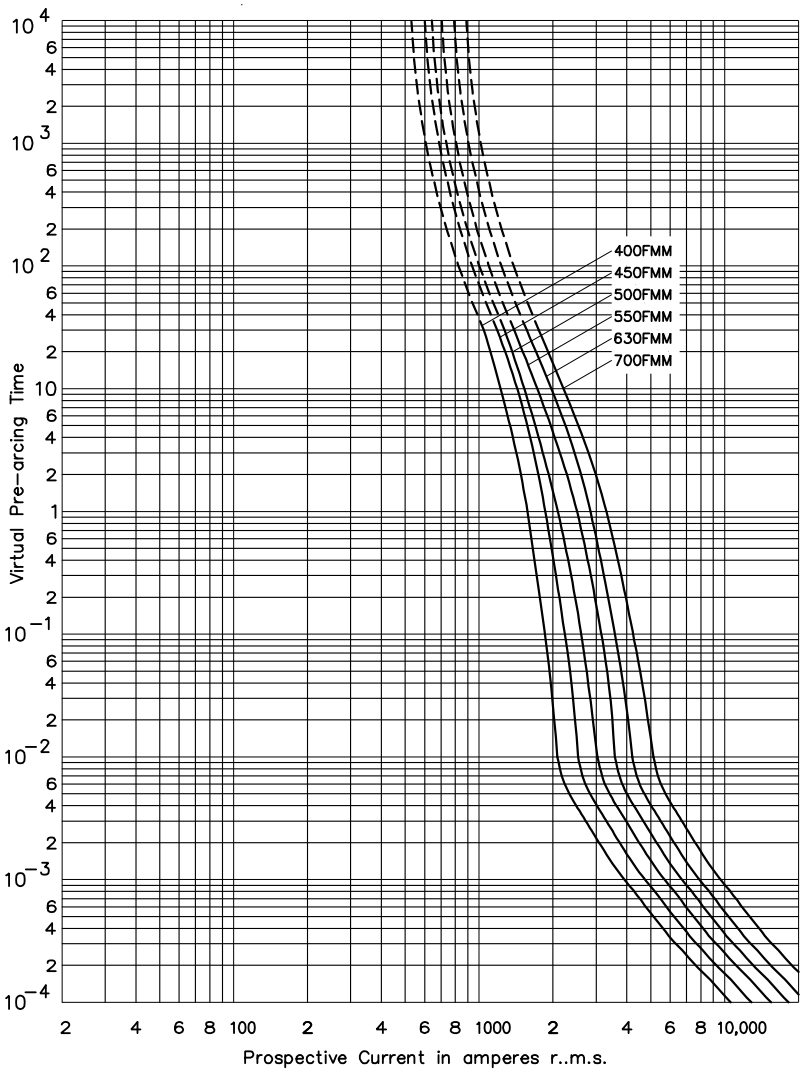


Data sheets: 720024, 5785314 (FM), 5785313 (MT), 5785292 (FMM), 5785311 (MMT)

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690 V a.c. / 350-450 V d.c. (IEC), 700 V a.c. / 500 V d.c. (UL) - 160 A to 710 A - FM, FMM, MT, MMT

Time-current curve - FMM, 400 A to 700 A



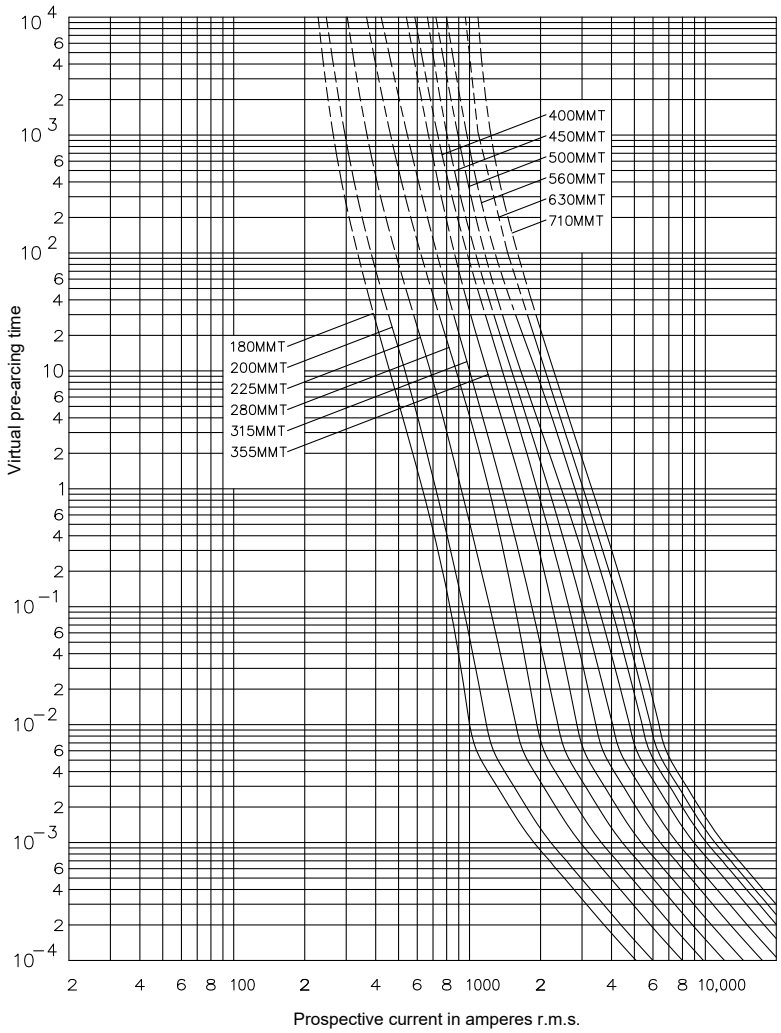
Data sheets: 720024, 5785314 (FM), 5785313 (MT), 5785292 (FMM), 5785311 (MMT)

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British standard BS88 fuse links

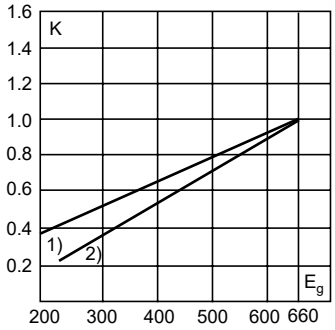
690 V a.c. / 350-450 V d.c. (IEC), 700 V a.c. / 500 V d.c. (UL) - 160 A to 710 A - FM, FMM, MT, MMT

Time-current curve - MMT, 180 A to 710 A



Total clearing I²t

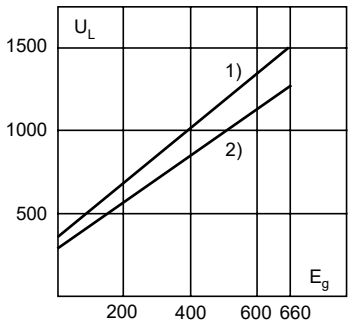
The total clearing I²t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I²t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



1) MT, MMT 2) FM, FMM

Arc voltage

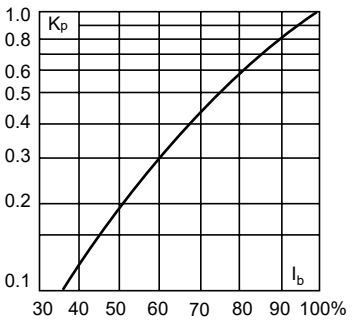
This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



1) MT, MMT 2) FM, FMM

Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.



Data sheets: 720024, 5785314 (FM), 5785313 (MT), 5785292 (FMM), 5785311 (MMT)

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Ferrule fuse links

150 V a.c. / V d.c. (UL) - 5 A to 60 A - 10 x 38 mm and 21 x 51 mm - FWA

Description

Ferrule style high speed fuse links for the protection of DC common bus, DC drives, power converters / rectifiers and reduced rated voltage starters.



Technical data

- Rated voltage: 150 V a.c. / V d.c. (UL)
- Rated current: 5 A to 60 A
- Breaking capacity:
  - 200 kA RMS Sym.
  - 50 kA DC at 150 V d.c.
- Operating class: aR

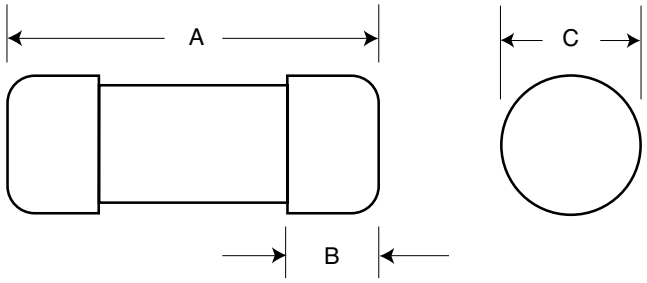
Standards / Agency information

CE, UL recognised

Catalogue numbers

Fuse link size	Rated voltage	Rated current (Amps)	I^2t (A^2 Sec) Pre-arcing	I^2t (A^2 Sec) Clearing at 150 V a.c.	Watts loss (W)	Catalogue numbers
10 x 38 mm (3/32" x 1½")	150 V a.c. / V d.c. (UL)	5	1.6	8	2	FWA-5A10F
		10	3.6	16	2.7	FWA-10A10F
		15	14	50	3.3	FWA-15A10F
		20	33	130	3.8	FWA-20A10F
		25	58	220	4.9	FWA-25A10F
		30	100	400	4.9	FWA-30A10F
21 x 51 mm (3/16" x 2")	150 V a.c. / V d.c. (UL)	35	75	800	4.5	FWA-35A21F
		40	100	1000	5.1	FWA-40A21F
		45	130	1300	6	FWA-45A21F
		50	170	1600	7.3	FWA-50A21F
		60	250	2400	8	FWA-60A21F

Dimensions - in (mm)



Amp range	A	B	C
5-30	1.5 (38.1)	0.38 (9.5)	0.41 (10.3)
35-60	2 (50.8)	0.63 (15.9)	0.81 (20.6)

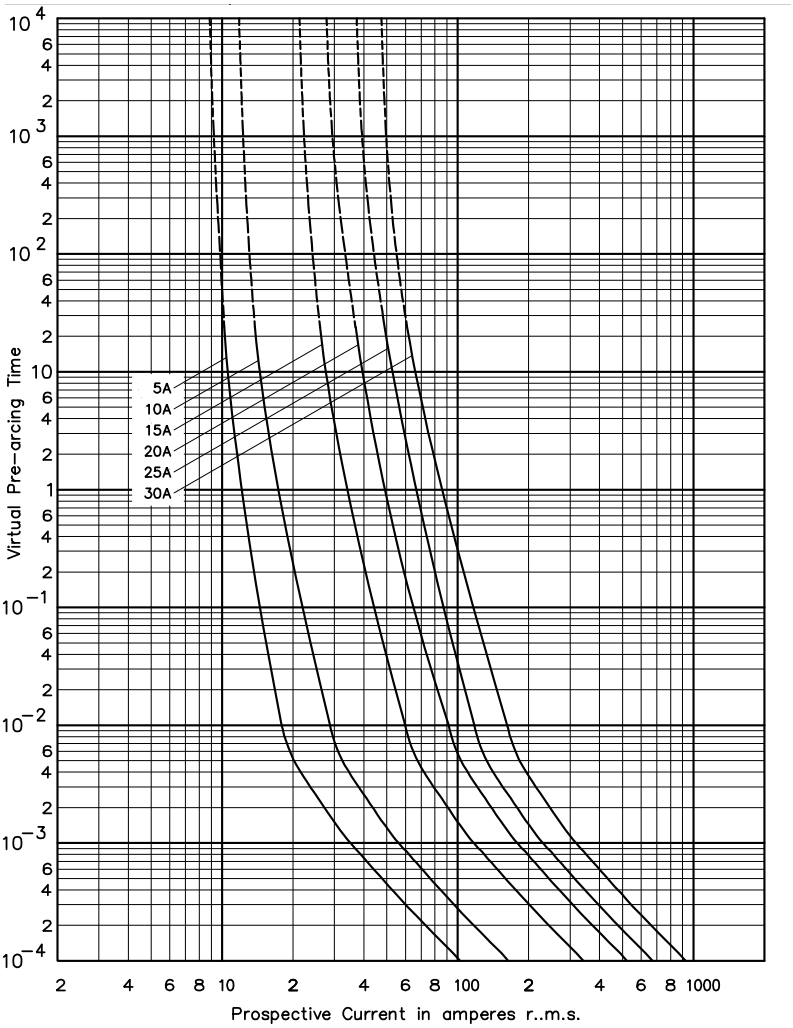
Data sheets: 720003,5785317 (5-30 A), 5785305 (35-60 A)

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Ferrule fuse links

150 V a.c. / V d.c. (UL) - 5 A to 60 A - 10 x 38 mm and 21 x 51 mm - FWA

Time-current curve - 5 A to 30 A

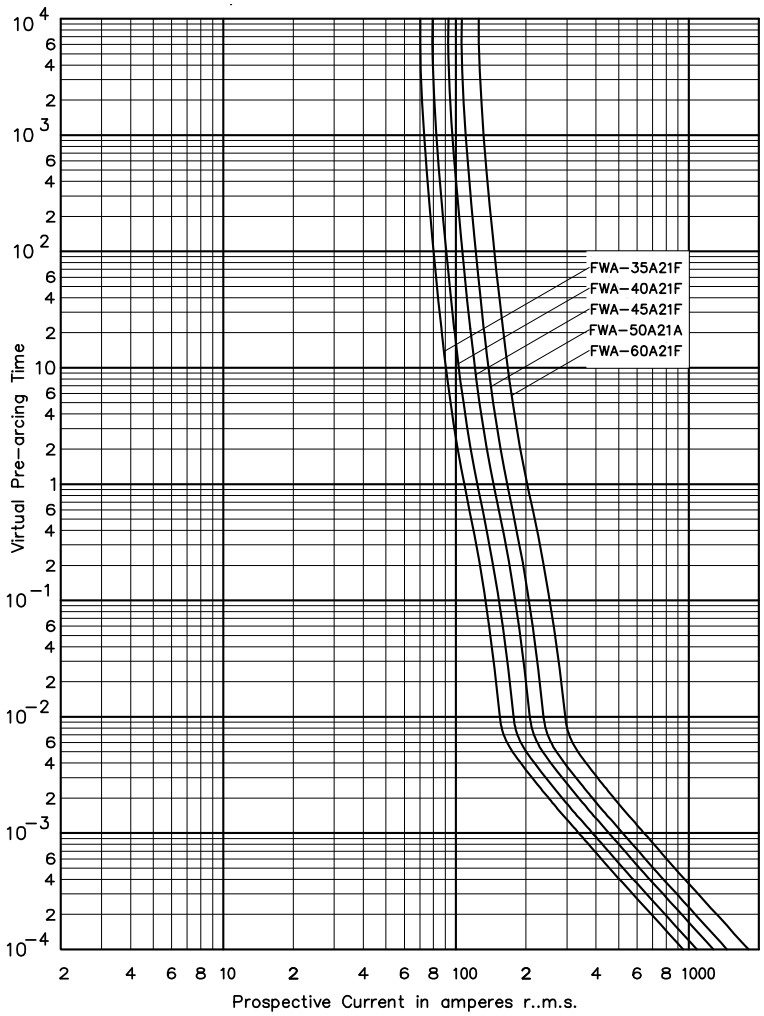


Data sheets: 720003,5785317 (5-30 A), 5785305 (35-60 A)

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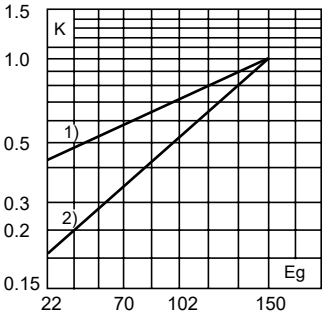
150 V a.c. / V d.c. (UL) - 5 A to 60 A - 10 x 38 mm and 21 x 51 mm - FWA

Time-current curve - 35 A to 60 A



Total clearing I²t

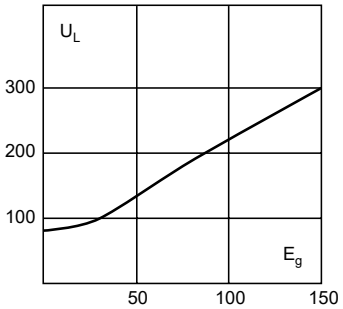
The total clearing I²t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I²t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



1) 5 - 30 A
2) 35 - 60 A

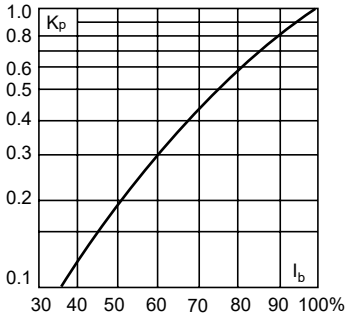
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.



Data sheets: 720003,5785317 (5-30 A), 5785305 (35-60 A)

Downloaded from Arrow.com.

Ferrule fuse links

250 V a.c. / V d.c. (UL) - 1 A to 50 A - 14 x 51 mm - FWX

Description

Ferrule style high speed fuse links for the protection of DC common bus, DC drives, power converters/rectifiers rated voltage starters.



Technical data

- Rated voltage: see details in table below
- Rated current: 1 A to 50 A
- Breaking capacity:
  - 200 kA RMS Sym. (UL, all ratings)
  - 50 kA at 250 V d.c. (UL, 5 A to 30 A only)
- Operating class: aR

Compatible modular fuse holder

- CH14

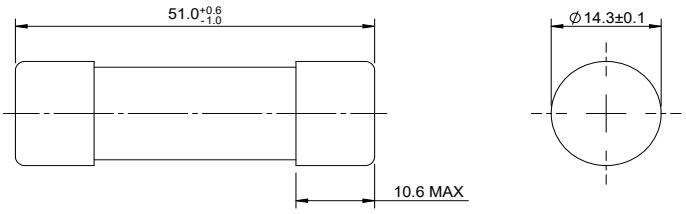
Standards / Agency information

CE, UL recognised 1-50 A & CSA component acceptance: 5 A to 30 A

Catalogue numbers

Fuse link size	Rated voltage	Rated current (Amps)	I^2t (A^2 Sec) Pre-arcing	I^2t (A^2 Sec) Clearing at 250 V a.c.	Watts loss (W)	Catalogue numbers
14 x 51mm (9⁄16" x 2")	250 V a.c. (UL)	1	0.04	0.12	5.7	FWX-1A14F
		2	0.08	0.28	8.7	FWX-2A14F
		3	0.11	0.39	2.8	FWX-3A14F
		4	0.1	0.35	3	FWX-4A14F
	250 V a.c. / 250 V d.c. (UL)	5	1.6	13	1.3	FWX-5A14F
		10	3.6	24	3.4	FWX-10A14F
		15	14	83	3.8	FWX-15A14F
		20	33	200	4.6	FWX-20A14F
		25	58	300	5.3	FWX-25A14F
		30	100	500	5.9	FWX-30A14F
	250 V a.c. (UL)	50	200	1800	5.7	FWX-50A14F

Dimensions - mm

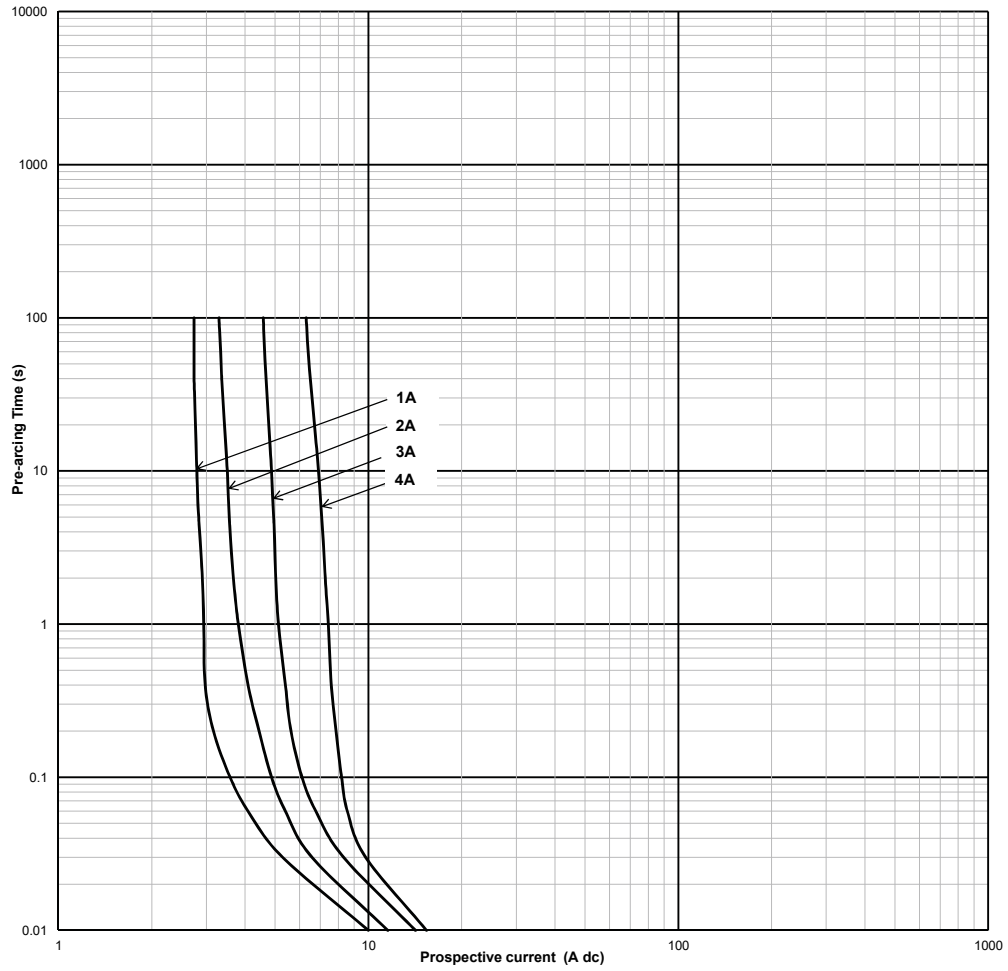


Data sheets: 720006, 5785580, 5785302

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250 V a.c. / V d.c. (UL) - 1 A to 50 A - 14 x 51 mm - FWX

Time-current curve - 1 A to 4 A



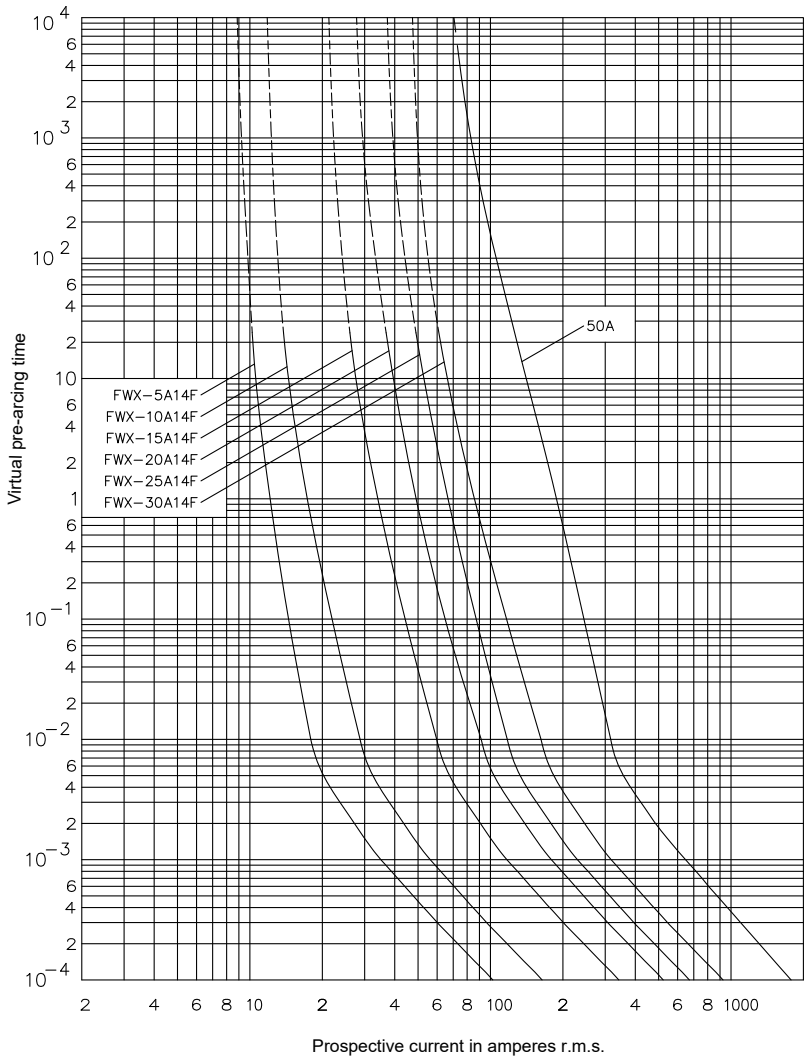
Data sheets: 720006, 5785580, 5785302

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Ferrule fuse links

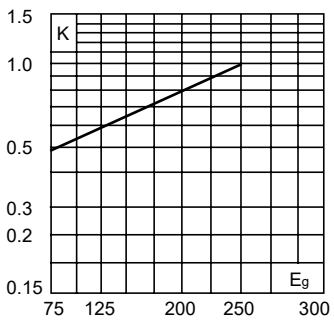
250 V a.c. / V d.c. (UL) - 1 A to 50 A - 14 x 51 mm - FWX

Time-current curve - 5 A to 50 A



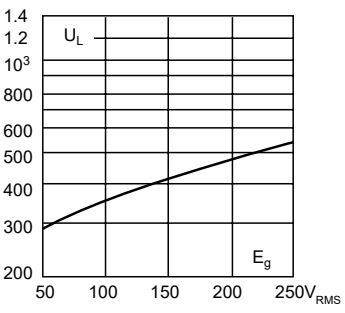
Total clearing I²t

The total clearing I²t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I²t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



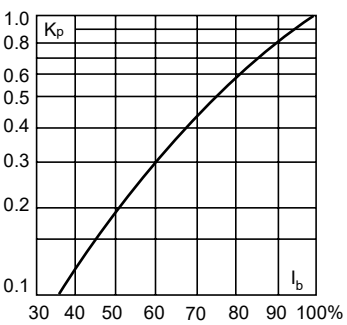
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.



Data sheets: 720006, 5785580, 5785302

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500 V a.c. (UL) - 0.25 A to 30 A - 6 x 32 mm - FWH



Description

Ferrule style high speed fuse links for the protection of DC common bus, DC drives, power converters/rectifiers and reduced rated voltage starters.

Technical data

- Rated voltage:
  - 500 V a.c. (UL)
  - 1000 V a.c. (UL, 2 A only)
  - 600 V d.c. (UL, 4 A and 5 A only)
- Rated current: 0.25 A to 30 A
- Breaking capacity:
  - 50 kA (0.25 A to 20 A)
  - 20 kA (25 A to 30 A, tested at PF = 76%)
  - 50 kA at 600 V d.c. (UL 2 A and 5 A only)
- Operating class: aR

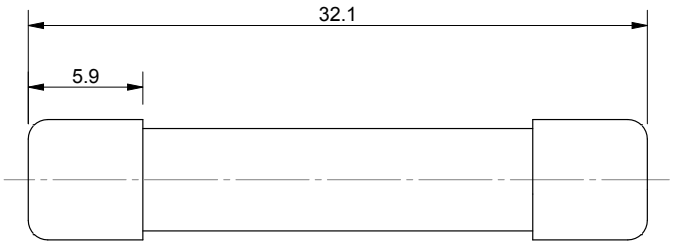
Standards / Agency information

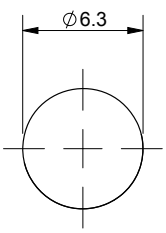
CE, UL recognised 0.25 A to 30 A including 2 A at 1000 V a.c.,
CSA component Acceptance: 0.25 A to 7 A

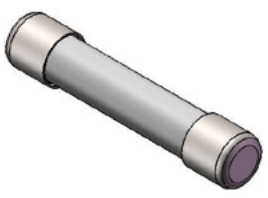
Catalogue numbers

			I^2t (A^2 Sec)			
Fuse link size	**Rated voltage**	**Rated current (Amps)**	**Pre-arcing**	**Clearing at 500 V a.c.**	**Watts loss (W)**	**Catalogue numbers**
6 x 32 mm (¼" x 1¼")	500 V a.c. (UL)	0.25	0.01	0.05	2.7	FWH--250A6F
		0.5	0.05	0.25	1.2	FWH--500A6F
		1	0.4	2	1.7	FWH-001A6F
	1000 V a.c. (UL)	2	1.3	3.5	3.2	FWH-002A6F
	500 V a.c. (UL)	3.15	3.1	7.7	2.9	FWH-3-15A6F
	500 V a.c. / 600 V d.c. (UL)	4	8.4	22	2.4	FWH-004A6F
		5	15	40	2.1	FWH-005A6F
	500 V a.c. (UL)	6.3	36	90	2.3	FWH-6-30A6F
		7	50	125	2.5	FWH-007A6F
		10	9.9	139	2.86	FWH5-010A6F
		12.5	20	60	3.53	FWH5-12-5A6F
		15	44	146	3.08	FWH5-015A6F
		16	48	177	4.48	FWH5-016A6F
		20	75	259	4.26	FWH5-020A6F
		25	126	345	-	FWH-025A6F
		30	145	430	-	FWH-030A6F

Dimensions mm (in)







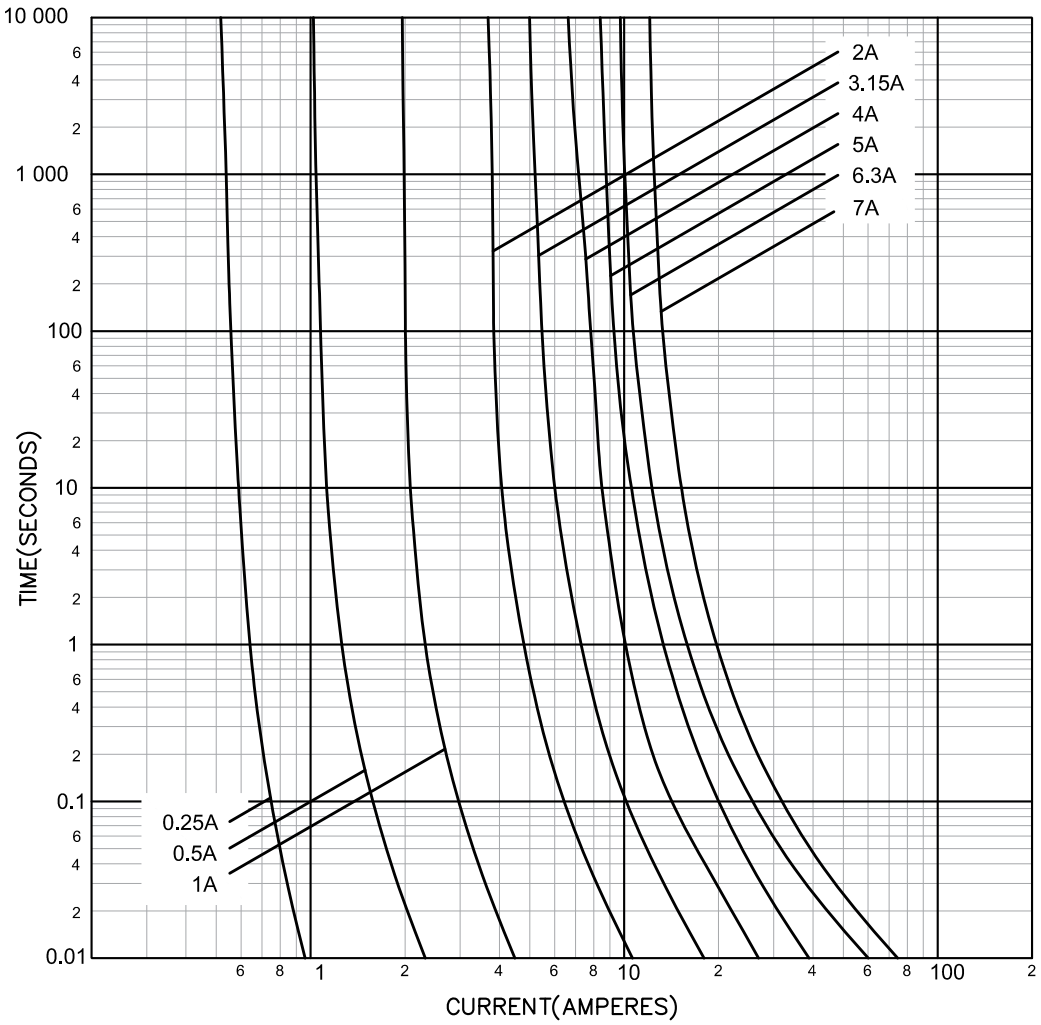
Data sheets: 720038, 5785256 (0.25-7A), 50955 (10-30 A)

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Ferrule fuse links

500 V a.c. (UL) - 0.25 A to 30 A - 6 x 32 mm - FWH

Time-current curve - 0.25 A to 7 A



Data sheets: 720038, 5785256 (0.25-7A

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500 V a.c. / V d.c. (UL) - 1 A to 30 A - 14 x 51 mm - FWH

Description

Ferrule style high speed fuse links for the protection of DC common bus, DC drives, power converters/rectifiers and reduced rated voltage starters.



Technical data

- Rated voltage:
  - 500 V a.c. (UL, all ratings)
  - 500 V d.c. (UL, 5 A to 30 A only)
- Rated current: 1 A to 30 A
- Breaking capacity:
  - 200 kA RMS Sym. all ratings
  - 50 kA at 500 V d.c. (5 A to 30 A only)
- Operating class: aR

Compatible modular fuse holder

- CH14

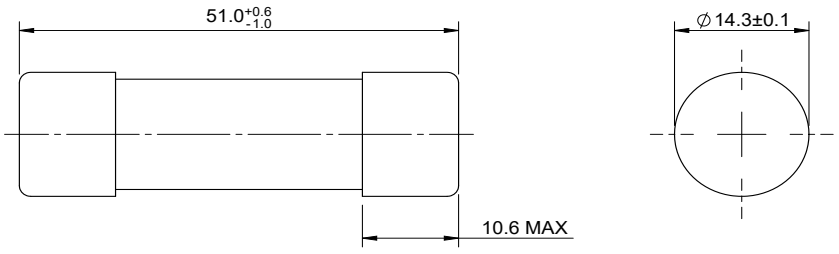
Standards / Agency information

CE, UL Recognised 1 A to 30 A & CSA Component Acceptance: 5 A to 30 A

Catalogue numbers

Fuse link size	Rated voltage	Rated current (Amps)	I^2t (A^2 Sec) Pre-arcing	I^2t (A^2 Sec) Clearing at 500 V a.c.	Watts loss (W)	Catalogue numbers
14 x 51 mm (9/16" x 2")	500 V a.c.(UL)	1	0.04	0.41	5.7	FWH-1A14F
		2	0.08	0.11	8.7	FWH-2A14F
		3	0.11	0.26	2.8	FWH-3A14F
		4	0.1	0.23	3	FWH-4A14F
	500 V a.c. / V d.c. (UL)	5	2	7	1.5	FWH-5A14F
		6	2	7	1.5	FWH-6A14F
		10	4	15	4	FWH-10A14F
		12	7	25	4.3	FWH-12A14F
		15	10	40	5.5	FWH-15A14F
		20	26	100	6.5	FWH-20A14F
		25	49	200	7	FWH-25A14F
		30	58	240	9	FWH-30A14F

Dimensions mm



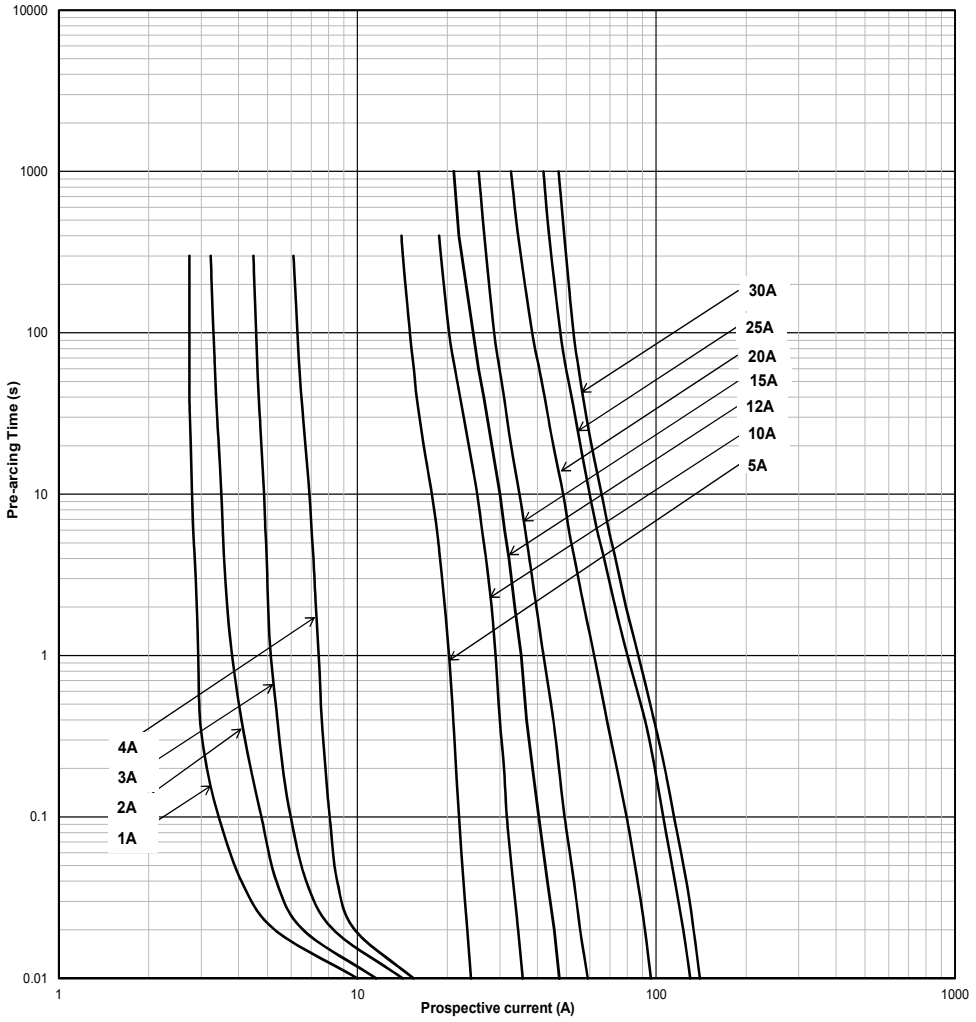
Data sheets: 720008, 5785298, 5785578

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Ferrule fuse links

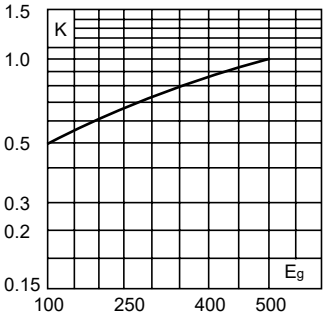
500 V a.c. / V d.c. (UL) - 1 A to 30 A - 14 x 51 mm - FWH

Time-current curve - 1 A to 30 A



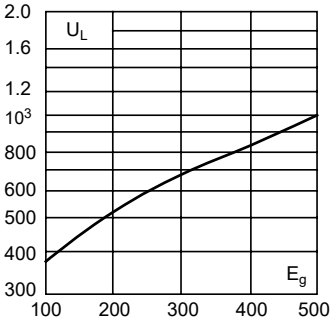
Total clearing I²t

The total clearing I²t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I²t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



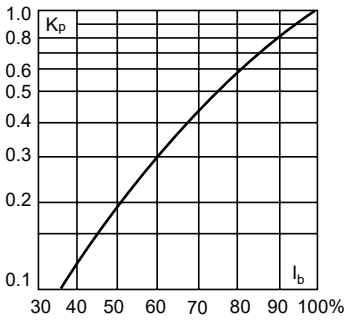
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p, is given as a function of the RMS load current, I_b, in percent of the rated current.



Data sheets: 720008, 5785298, 5785578

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600-700 V a.c. / 700 V d.c. (UL) - 1 A to 32A - 10 x 38 mm - FWC

Description

Ferrule style high speed fuse links for the protection of DC common bus, DC drives, power converters/rectifiers and reduced rated voltage starters.



Technical data

- Rated voltage:
  - 700 V a.c. / V d.c. (UL, 1 A to 4 A)
  - 600 V a.c. (UL, 6 A to 32 A), 700 V d.c. (UL, 6 A to 25 A)
- Rated current: 1 A to 32 A
- Breaking capacity:
  - 200 kA RMS Sym. at 600 V a.c. (6 A to 32 A)
  - 200 kA RMS Sym. at 700 V a.c. (1 A to 4 A)
  - 10 kA DC at 700 V d.c. (1 A to 25 A)
- Operating class: aR

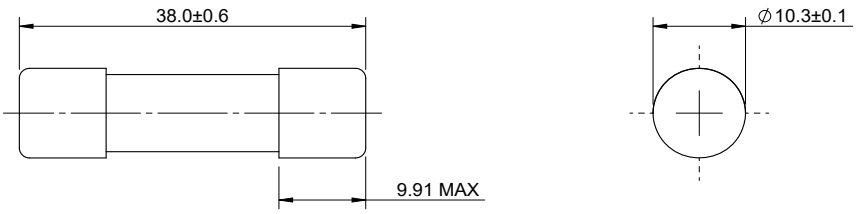
Standards / Agency information

CE, UL Recognised: 6 A to 32 A

Catalogue numbers

Fuse link size	Rated voltage	Rated current (Amps)	I^2t (A^2 Sec) Pre-arcing	I^2t (A^2 Sec) Clearing at 600 V a.c.	Watts loss (W)	Catalogue numbers
10 x 38 mm (13/32" x 1½")	700 V a.c. / V d.c. (UL)	1	0.2	1.2	0.5	FWC-1A10F
		2	0.5	3	1.2	FWC-2A10F
		3	1.6	11	1.5	FWC-3A10F
		4	5.2	32	1.5	FWC-4A10F
	600 V a.c./ 700 V d.c. (UL)	6	4	30	1.5	FWC-6A10F
		8	6	50	2	FWC-8A10F
		10	9	70	2.5	FWC-10A10F
		12	15	120	3	FWC-12A10F
		16	25	150	3.5	FWC-16A10F
		20	34	260	4.8	FWC-20A10F
		25	60	390	6	FWC-25A10F
	600 V a.c. (UL)	30	95	600	7.5	FWC-30A10F
		32	95	600	7.5	FWC-32A10F

Dimensions - mm



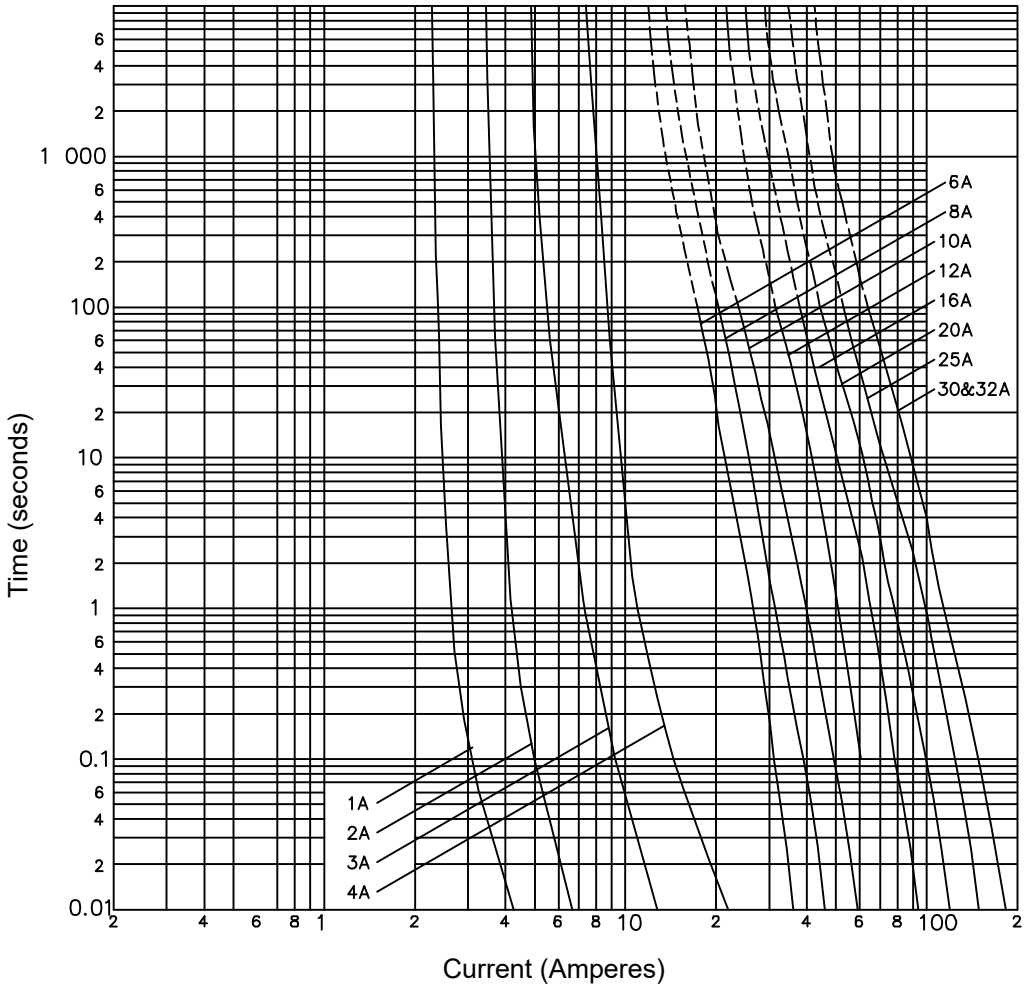
Data sheets: 720011, 5785306

Downloaded from Arrow.com.

Ferrule fuse links

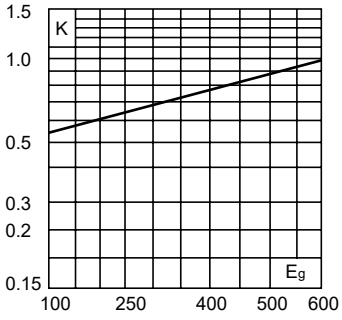
600-700 V a.c. / 700 V d.c. (UL) - 1 A to 32A - 10 x 38 mm - FWC

Time-current curve - 1 A to 32 A



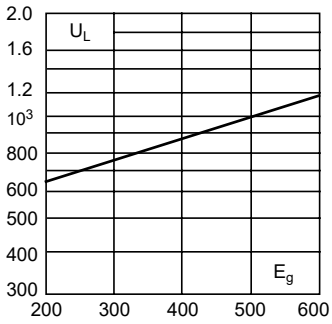
Total clearing I²t

The total clearing I²t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I²t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



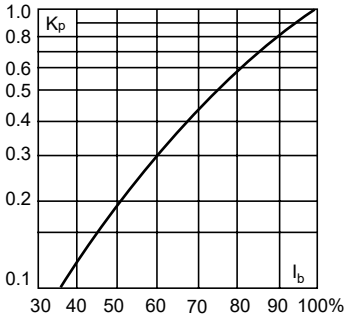
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.



Data sheets: 720011, 5785306

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690 V a.c. (IEC) - 4 A to 32 A - 10 x 38 mm - gR - FWP

Description

The 10 x 38 mm cylindrical, class gR fuse links are used to protect AC/DC Drives and semi-conductors.



Technical data

- Rated voltage: see details in table below
- Rated current: 4 A to 32 A
- Breaking capacity: 200 kA a.c.
- Operating class: gR

Compatible fuse holder

CHM

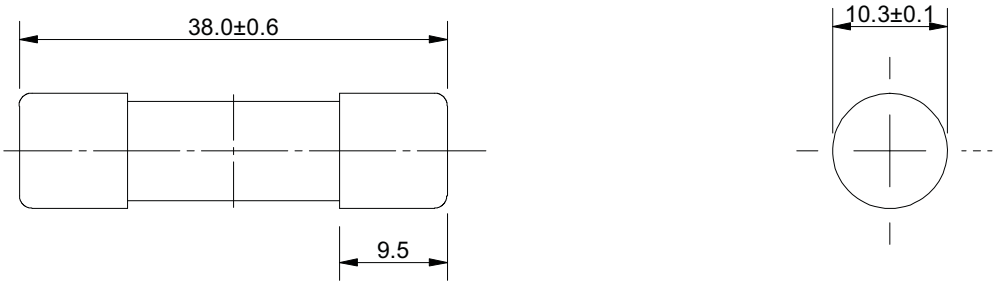
Standards / Agency information

IEC 60269-4, UL 248-13

Catalogue numbers

Fuse link size	Type	Rated voltage	Rated current (Amps)	I²t (A² Sec) Pre-arcing	I²t (A² Sec) Clearing at 690 V a.c.	Watts loss (W)	Catalogue numbers
10 x 38 mm	Without indicator	690 V a.c. (IEC) 500 V d.c.. (UL)	4	5.6	17	2.05	FWP-4G10F
			6	16	48	3	FWP-6G10F
		690 V a.c. (IEC) 700 V a.c. (UL)	8	4.3	38	1.68	FWP-8G10F
			10	6.6	59	2.09	FWP-10G10F
			12	9.6	84	2.99	FWP-12G10F
			16	17	150	4.27	FWP-16G10F
			20	23.5	200	5.35	FWP-20G10F
			25	60.2	512	5.52	FWP-25G10F
			32	94	800	7.43	FWP-32G10F

Dimensions (mm)



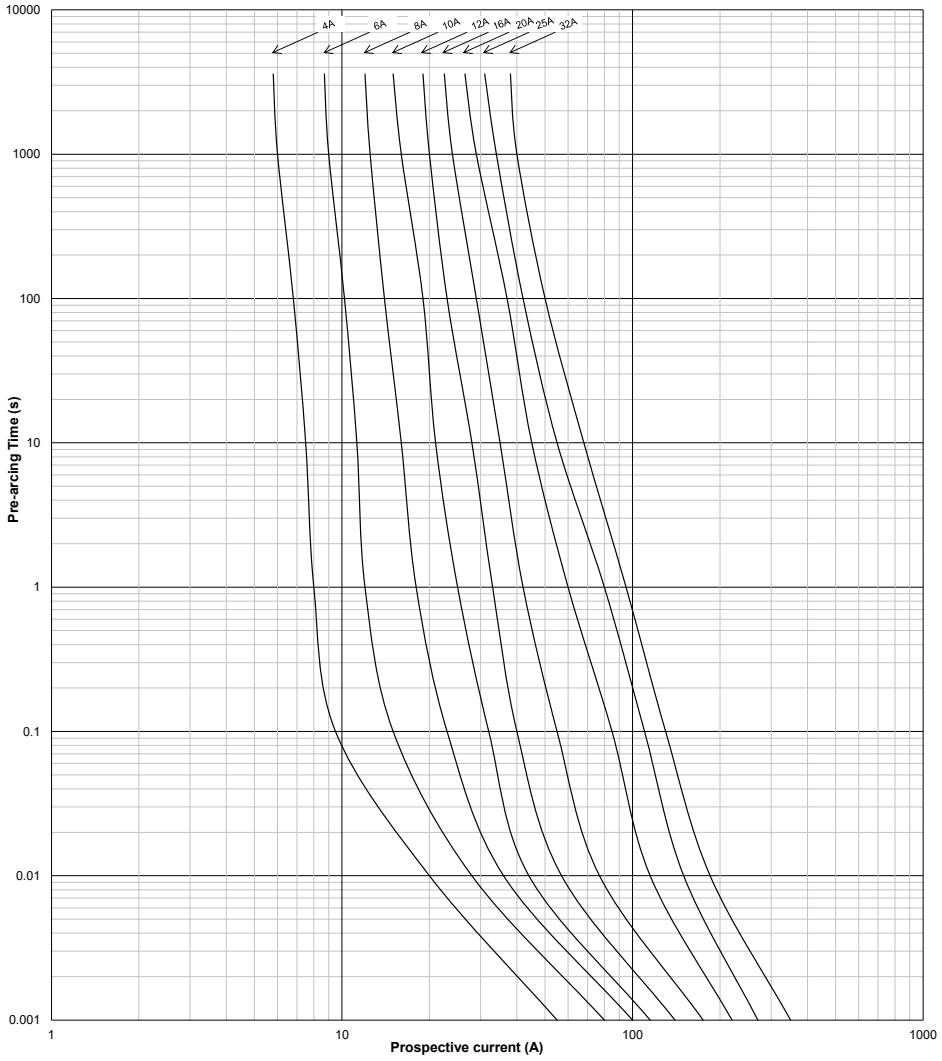
Data sheet: 10467

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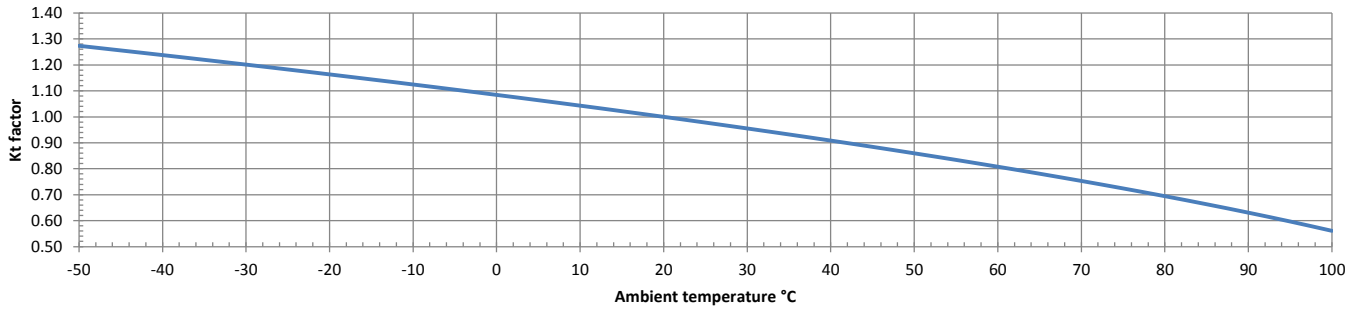
Ferrule fuse links

690 V a.c. (IEC) - 4 A to 32 A - 10 x 38 mm - gR - FWP

Time-current curve - 4 A to 32 A



Ambient temperature

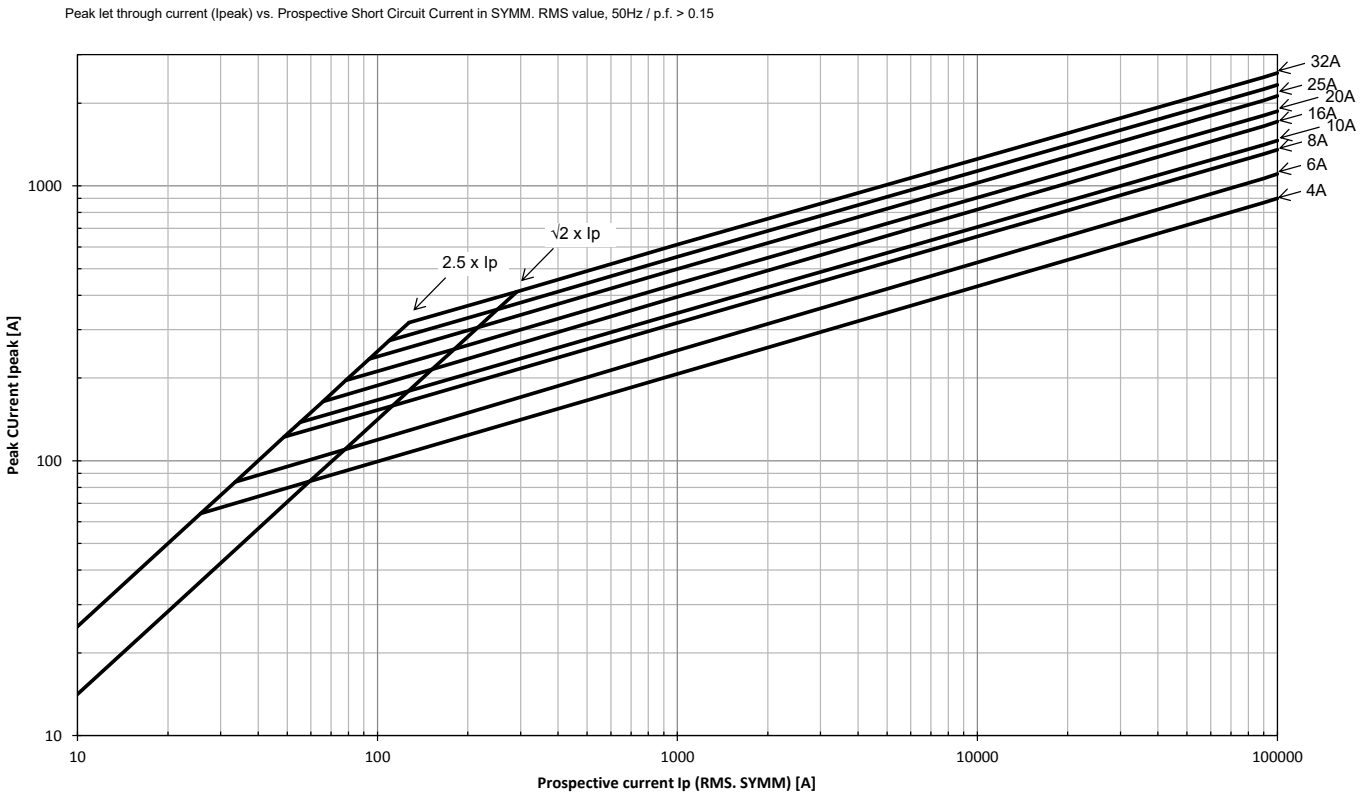


Data sheet: 10467

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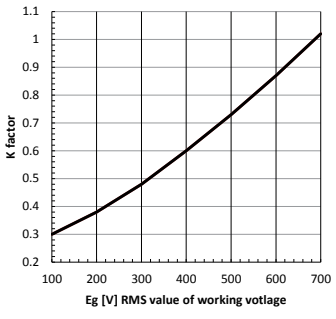
690 V a.c. (IEC) - 4 A to 32 A - 10 x 38 mm - gR - FWP

Cut-off curve- 2 A to 32 A



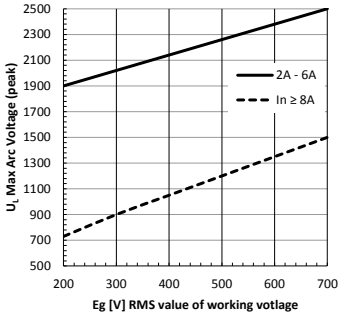
Total clearing I^2t

The total clearing I^2t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I^2t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



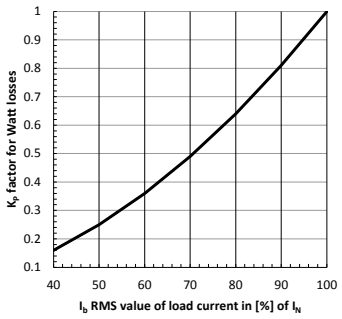
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.



Data sheet: 10467

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Ferrule fuse links

690 V a.c. (IEC) - 4 A to 50 A - 14 x 51 mm - gR - FWP

Description

The 14 x 51 mm cylindrical, class gR fuse links are used to protect AC/DC Drives and semi-conductors.



Technical data

- Rated voltage: 690 V a.c. (IEC)
- Rated current: 4 A to 50 A
- Breaking capacity: 200 kA a.c.
- Operating class: gR

Compatible modular fuse holder

- CH14

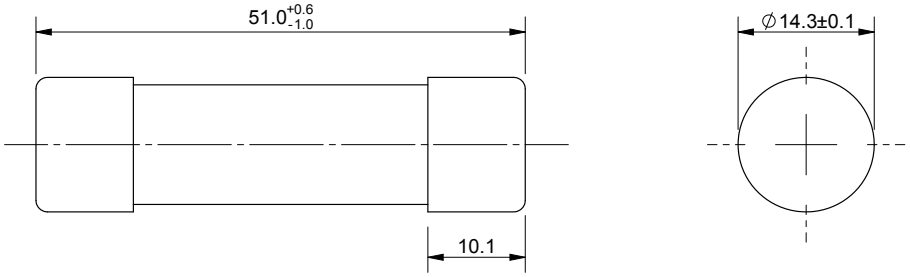
Standards / Agency information

IEC 60269-4, UL 248-13

Catalogue numbers

Fuse link size	Type	Rated voltage	Rated current (Amps)	I²t (A² Sec) Pre-arcing	I²t (A² Sec) Clearing at 690 V a.c.	Watts loss (W)	Catalogue numbers
14 x 51 mm	Without indicator	690 V a.c. (IEC)	4	5.6	17	2.94	FWP-4G14F
			6	16	48	4.2	FWP-6G14F
			8	3.8	30	2	FWP-8G14F
			10	5.9	47	2.52	FWP-10G14F
			12	8.4	68	3.54	FWP-12G14F
			16	15	120	4.83	FWP-16G14F
			20	27	170	5.4	FWP-20G14F
			25	53	333	6	FWP-25G14F
			32	108	679	6.93	FWP-32G14F
			40	211	1331	7.52	FWP-40G14F
			50	350	2200	9.8	FWP-50G14F
	With indicator	690 V a.c. (IEC)	8	3.8	30	2	FWP-8G14FI
			10	5.9	47	2.52	FWP-10G14FI
			12	8.4	68	3.54	FWP-12G14FI
			16	15	120	4.83	FWP-16G14FI
			20	27	170	5.4	FWP-20G14FI
			25	53	333	6	FWP-25G14FI
			32	108	679	6.93	FWP-32G14FI
			40	211	1331	7.52	FWP-40G14FI
			50	350	2200	9.8	FWP-50G14FI

Dimensions (mm)

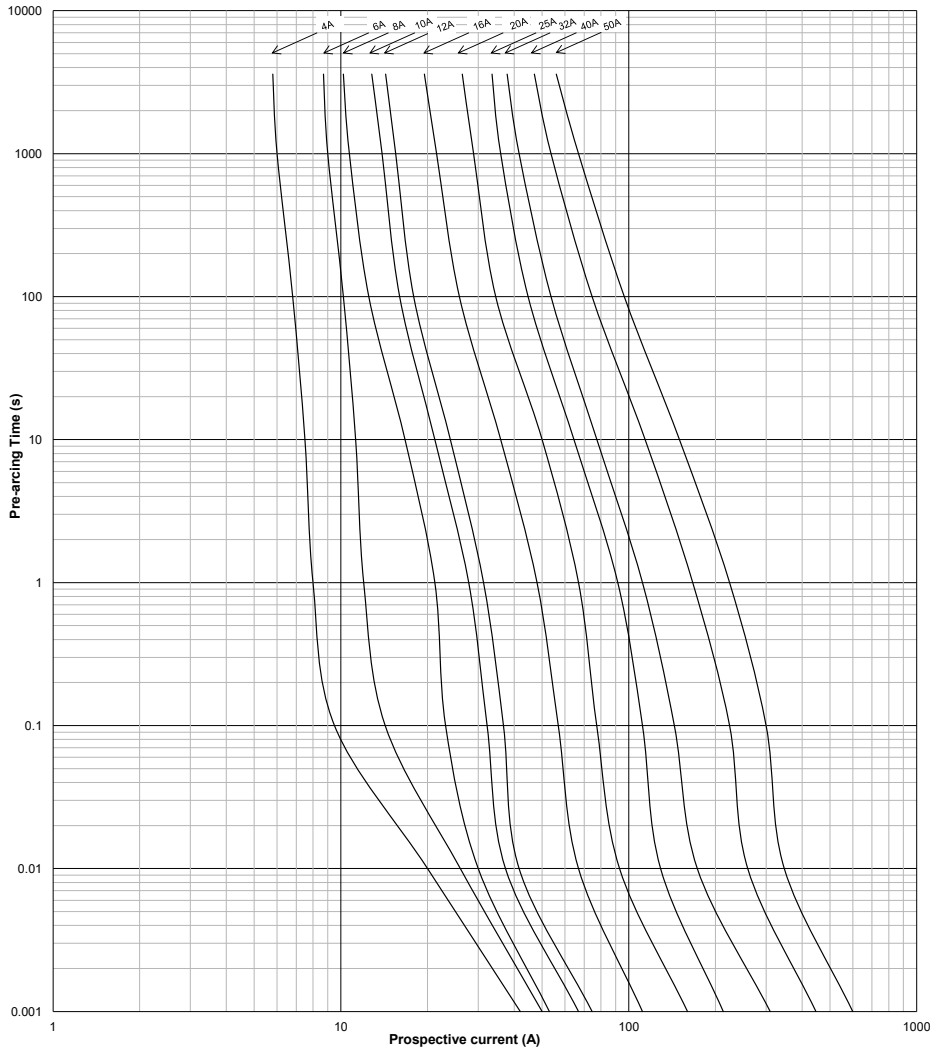


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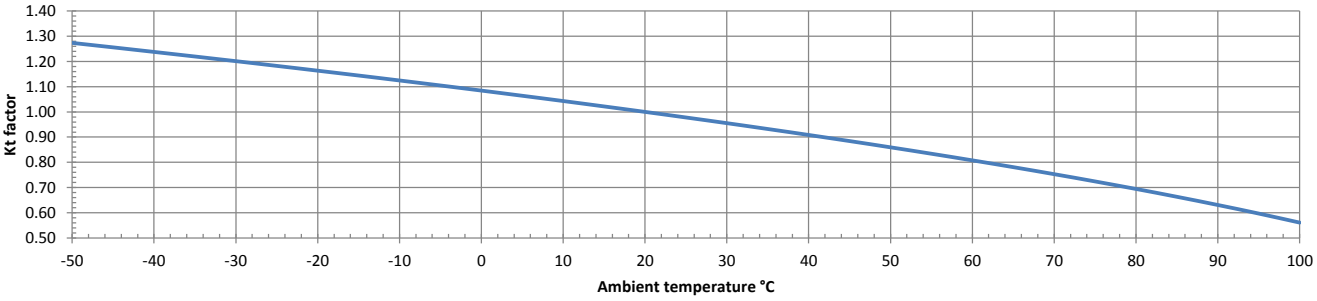
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690 V a.c. (IEC) - 4 A to 50 A - 14 x 51 mm - gR - FWP

Time-current curve - 4 A to 50 A



Ambient temperature



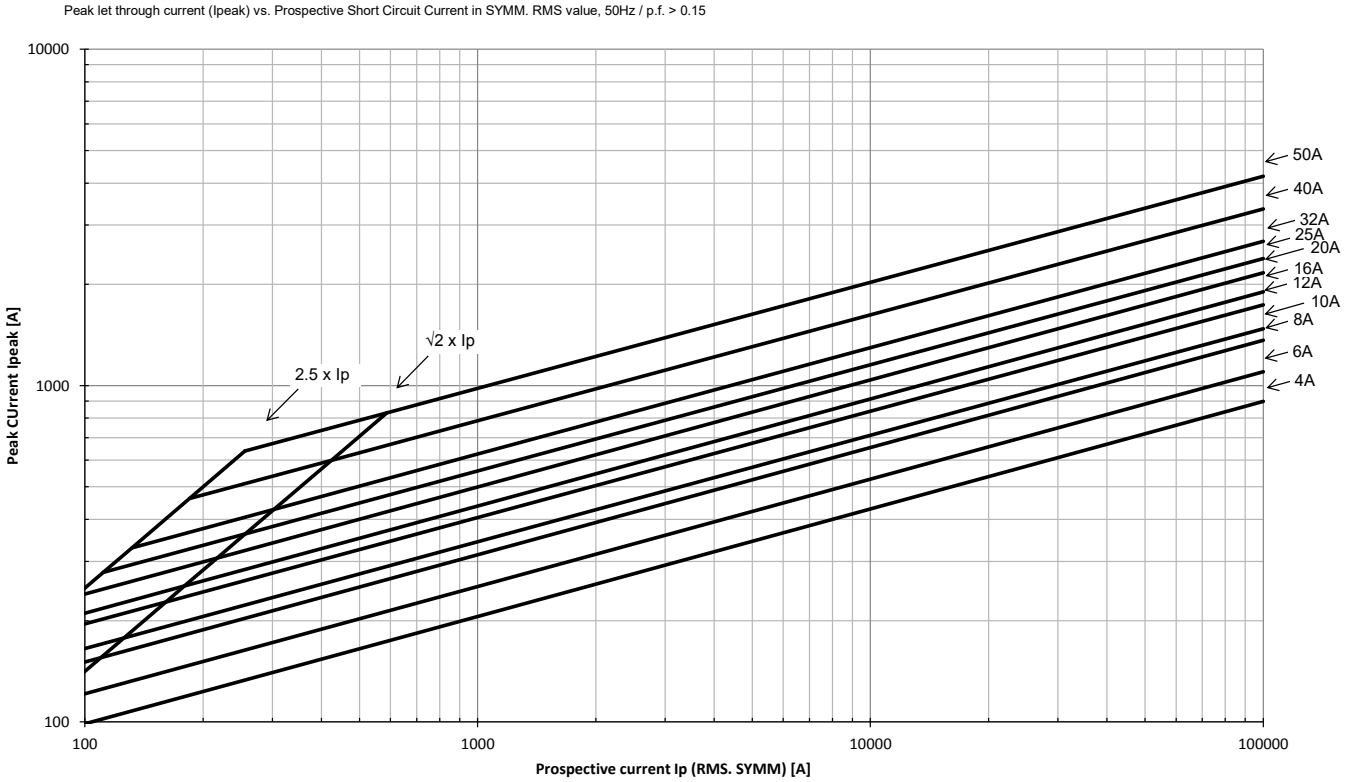
Data sheet: 10468

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Ferrule fuse links

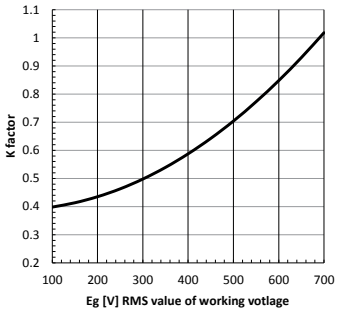
690 V a.c. (IEC) - 4 A to 50 A - 14 x 51 mm - gR - FWP

Cut-off curve - 4 A to 50 A



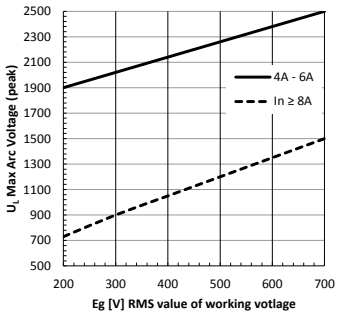
Total clearing I²t

The total clearing I²t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I²t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



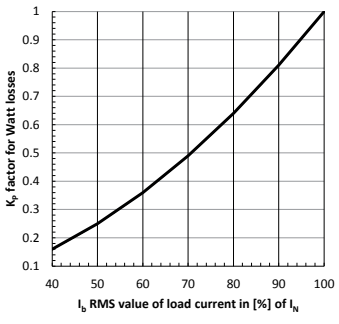
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.



Data sheet: 10468

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690 V a.c. (IEC) - 20 A to 100 A - 22 x 58 mm - gR - FWP

Description

The 22 x 58 mm cylindrical, class gR fuse links are used to protect AC/DC Drives and semi-conductors.



Technical data

- Rated voltage: 690 V a.c. (IEC)
- Rated current: 20 A to 100 A
- Breaking capacity: 200 kA a.c.
- Operating class: gR

Compatible fuse holder

- CH22

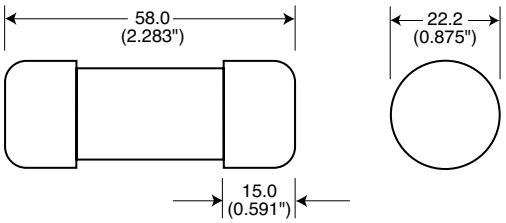
Standards / Agency information

IEC 60269-4, UL 248-13

Catalogue numbers

Fuse link size	Type	Rated voltage	Rated current (Amps)	I^2t (A^2 Sec) Pre-arcing	I^2t (A^2 Sec) Clearing at 690 V a.c.	Watts loss (W)	Catalogue numbers
22 x 58 mm	Without indicator	690 V a.c. (IEC)	20	24	154	6.00	FWP-20G22F
			25	43	274	6.65	FWP-25G22F
			32	97	616	9.21	FWP-32G22F
			40	180	899	8.24	FWP-40G22F
			50	273	1362	11.85	FWP-50G22F
			63	516	2575	13.80	FWP-63G22F
			80	1092	5448	14.00	FWP-80G22F
			100	2065	10,300	17.70	FWP-100G22F
	With indicator	690 V a.c. (IEC)	20	24	154	6.00	FWP-20G22FI
			25	43	274	6.65	FWP-25G22FI
			32	97	616	9.21	FWP-32G22FI
			40	180	899	8.24	FWP-40G22FI
			50	273	1362	11.85	FWP-50G22FI
			63	516	2575	13.80	FWP-63G22FI
			80	1092	5448	14.00	FWP-80G22FI
			100	2065	10,300	17.70	FWP-100G22FI

Dimensions - mm (in)



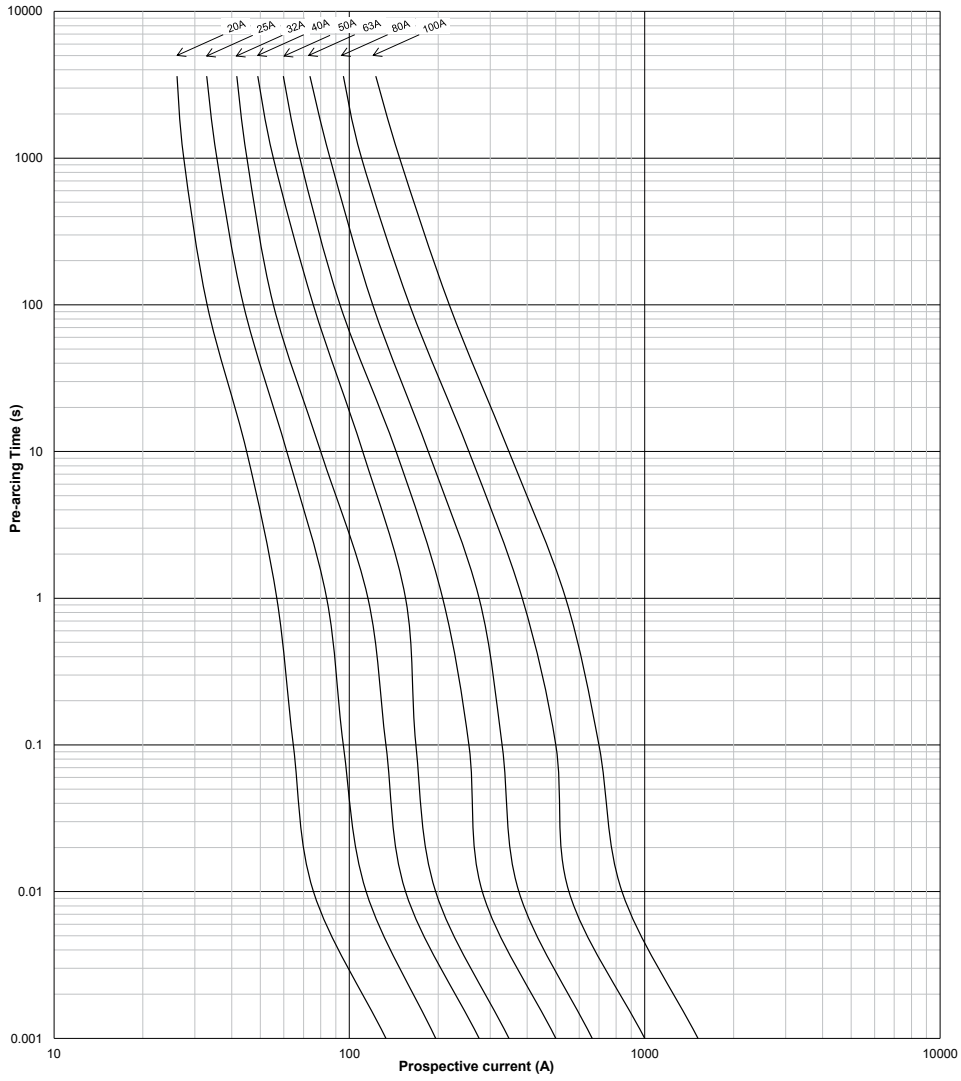
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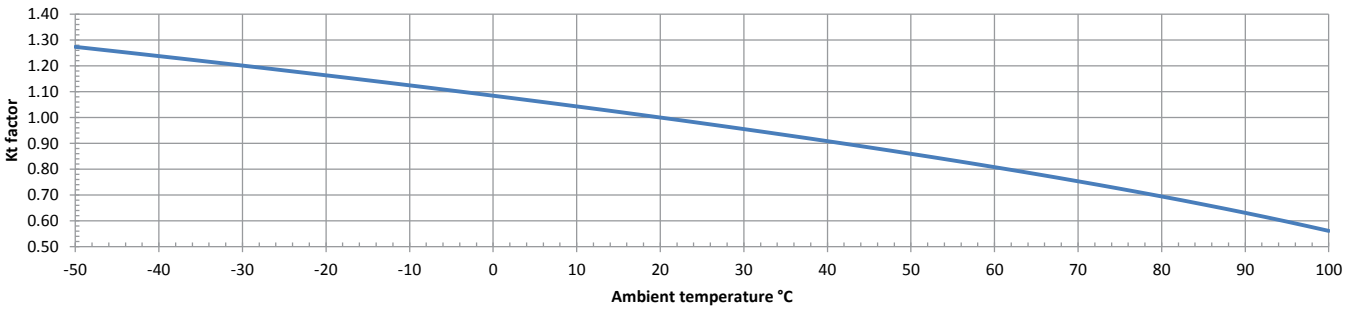
Ferrule fuse links

690 V a.c. (IEC) - 20 A to 100 A - 22 x 58 mm - gR - FWP

Time-current curve - 20 A to 100 A



Ambient temperature

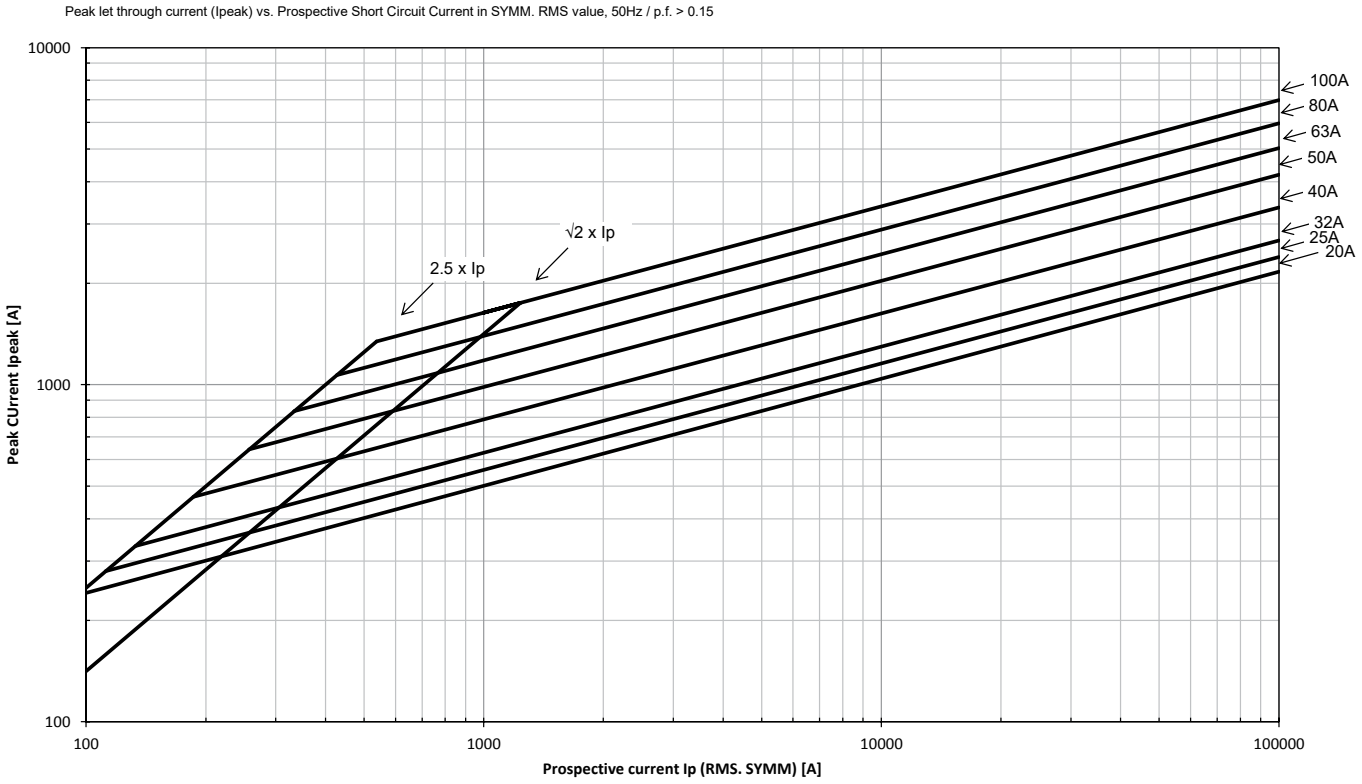


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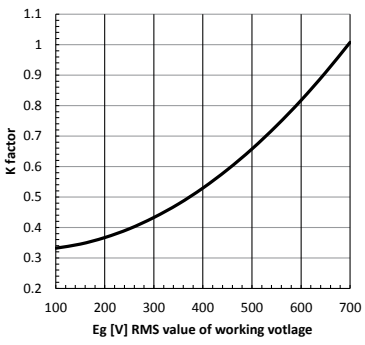
690 V a.c. (IEC) - 20 A to 100 A - 22 x 58 mm - gR - FWP

Cut-off curve - 20 A to 100 A



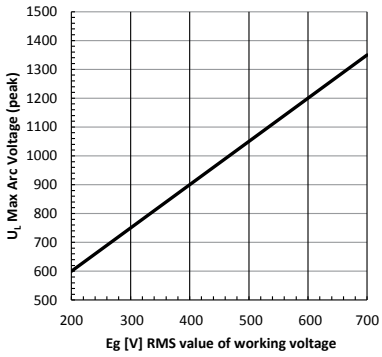
Total clearing I²t

The total clearing I²t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I²t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



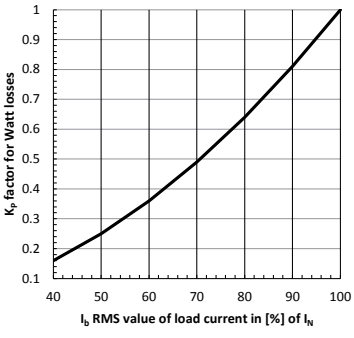
Arc voltage

This curve gives the peak arc voltage, U_l, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.



Data sheet: 10469

Downloaded from Arrow.com.

Ferrule fuse links

690 V a.c. (IEC), 700 V a.c. / V d.c. (UL) - 1 A to 63 A - 14 x 51 mm - FWP

Description

Ferrule style high speed fuse links for the protection of DC common bus, DC drives, power converters/rectifiers and reduced rated voltage starters. Available with or without striker.



Technical data

- Rated voltage:
  - Without striker: see table
  - With striker: 700 V a.c. / 600 V d.c. (UL)
- Rated current:
  - Without striker: 1 A to 63 A
  - With striker: 1 A to 50 A
- Breaking capacity:
  - 200 kA RMS Sym.
  - 50 kA at 700 V d.c. (5 A to 50 A non striker version)
  - 600 V d.c. for striker version
- Operating class: aR

Compatible modular fuse holder

- CH14

Standards / Agency information

CE, UL recognised & CSA component acceptance for versions without striker only, CCC certified 5 A to 50 A

Catalogue numbers

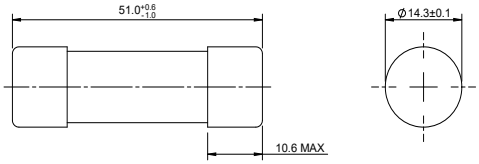
Fuse link type	Fuse link size	Rated voltage	Rated current (Amps)	I^2t (A^2 Sec) Pre-arcing	I^2t (A^2 Sec) Clearing at 700 V a.c.	Watts loss (W)	Catalogue numbers
Without striker	14 x 51 mm (9⁄16" x 2")	700 V a.c. (UL)	1	0.04	0.41	5.7	FWP-1A14F
			2	0.08	0.11	8.7	FWP-2A14F
			3	0.11	0.26	2.8	FWP-3A14F
			4	0.1	0.23	3	FWP-4A14F
		700 V a.c. / 700 V d.c. (UL) 690 V a.c. (IEC)	5	2	11	1.5	FWP-5A14F
			6	2	11	1.5	FWP-6A14F
			10	4	22	4	FWP-10A14F
			15	10	70	5.5	FWP-15A14F
			20	26	180	6.5	FWP-20A14F
			25	49	320	7	FWP-25A14F
			30	58	400	9	FWP-30A14F
			32	68	600	8	FWP-32A14F
			40	84	750	8	FWP-40A14F
			50	200	1800	9	FWP-50A14F
			63	390	2516	10	FWP-63A14F
With striker	14 x 51 mm (9⁄16" x 2")	700 V a.c. / 600 V d.c. (UL)	10	4	32	2	FWP-10A14FI
			15	7	63	4	FWP-15A14FI
			20	26	234	4	FWP-20A14FI
			25	42	378	4	FWP-25A14FI
			30	52	468	6	FWP-30A14FI
			32	68	600	8	FWP-32A14FI
			40	84	750	8	FWP-40A14FI
			50	200	1800	9	FWP-50A14FI

Data sheets: 720025, 5781724 fuses without striker; 5785566 fuses with striker, 5785626 (63 A)

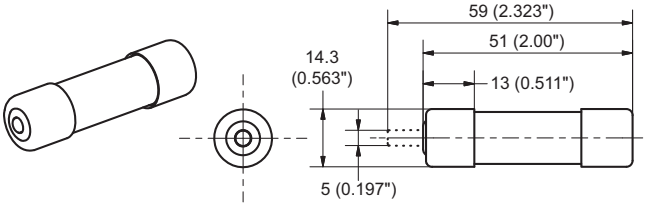
Downloaded from Arrow.com.

690 V a.c. (IEC), 700 V a.c. / V d.c. (UL) - 1 A to 63 A - 14 x 51 mm - FWP

Dimensions - mm (in)

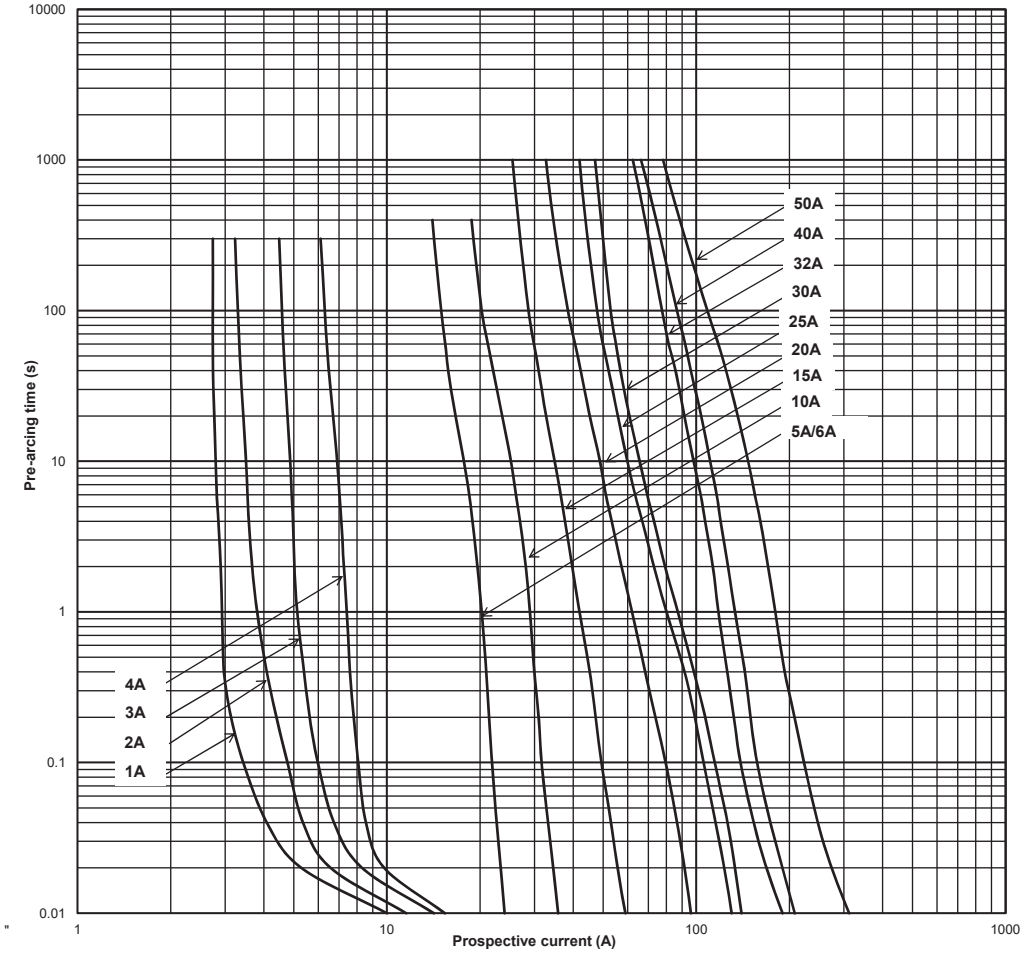


Without striker



With striker

Time-current curve - 1 A to 50 A



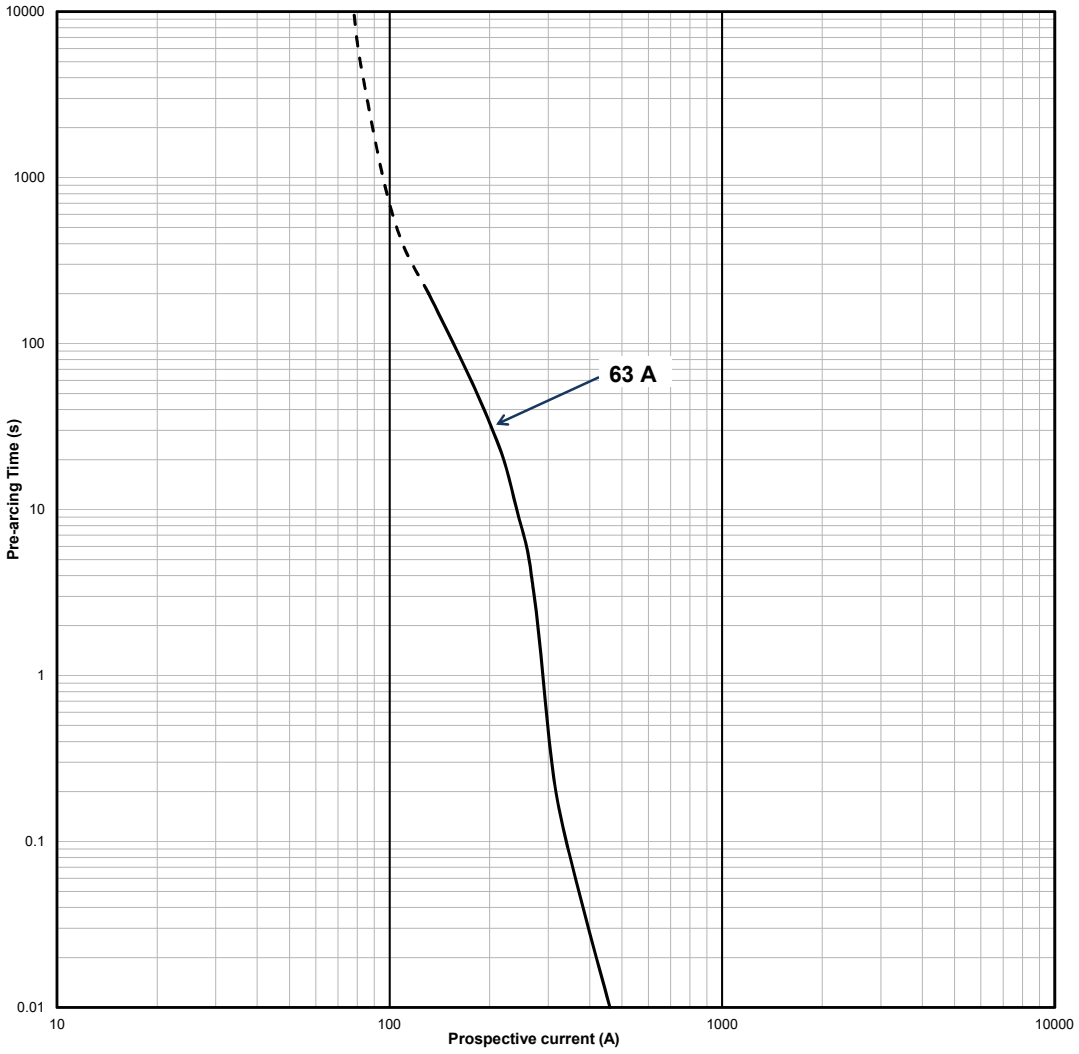
Data sheets: 720025, 5781724 fuses without striker; 5785566 fuses with striker, 5785626 (63 A)

Downloaded from Arrow.com.

Ferrule fuse links

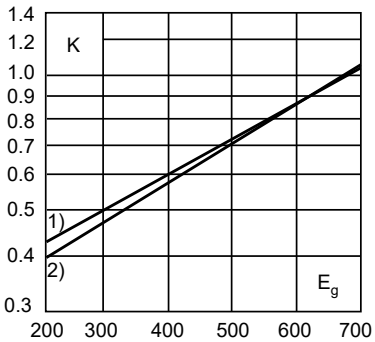
690 V a.c. (IEC), 700 V a.c. / V d.c. (UL) - 1 A to 63 A - 14 x 51 mm - FWP

Time-current curve - 63 A



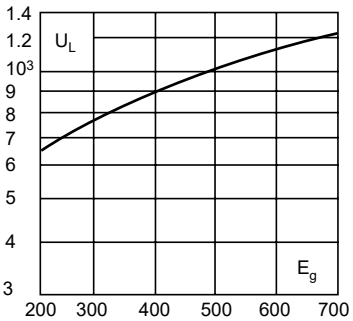
Total clearing I²t

The total clearing I²t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I²t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



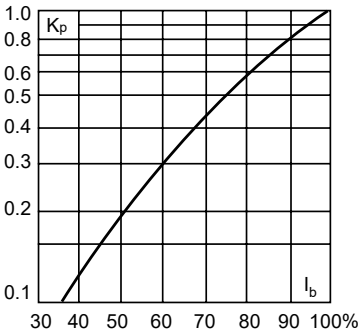
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.



Data sheets: 720025, 5781724 fuses without striker; 5785566 fuses with striker, 5785626 (63 A)

Downloaded from Arrow.com.

700 V a.c. / V d.c. (UL) and 500 V d.c. (UL) - 20 A to 100 A - 22 x 58 mm - FWP

Description

Ferrule style high speed fuse links for the protection of DC common bus, DC drives, power converters/rectifiers and reduced rated voltage starters. Available with or without striker.



Technical data

- Rated voltage: See details below
- Rated current: 20 A to 100 A
- Breaking capacity:
  - 200 kA RMS Sym.
  - 50 kA at 700 V d.c., t/c 5 ms
- Operating Class: aR

Compatible modular fuse holder

- CH22

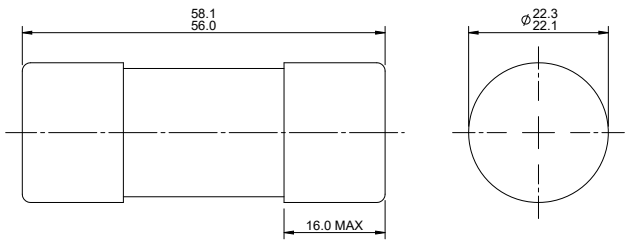
Standards / Agency information

CE, UL Recognised, CSA Component Acceptance for versions without striker only,
CCC certified

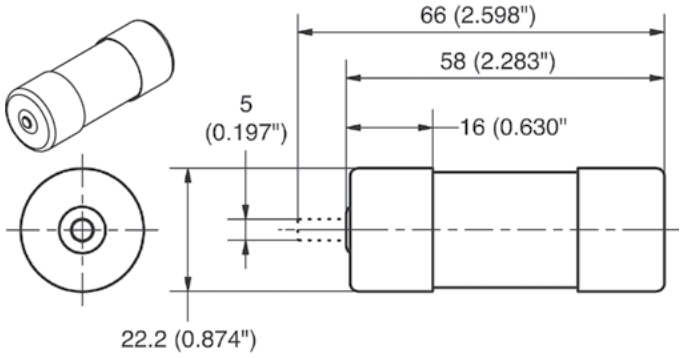
Catalogue numbers

Fuse link type	Fuse link size	Rated voltage	Rated current (Amps)	I^2t (A^2 Sec) Pre-arcing	I^2t (A^2 Sec) Clearing at 700 V a.c.	Watts loss (W)	Catalogue numbers
Without striker	22 x 58 mm (7/8" x 2 9/32")	700 V a.c./ 700 V d.c. (UL)	20	23	330	5	FWP-20A22F
			25	37	530	6	FWP-25A22F
			32	55	780	8	FWP-32A22F
			40	68	960	12	FWP-40A22F
			50	155	2200	12.5	FWP-50A22F
			63	280	4000	15	FWP-63A22F
			80	550	7800	15	FWP-80A22F
			100	1100	15,600	16.5	FWP-100A22F
With striker	22 x 58 mm (7/8" x 2 9/32")	700 V a.c./ 500 V d.c. (UL)	20	19	260	5	FWP-20A22FI
			25	34	410	6	FWP-25A22FI
			32	53.5	605	8	FWP-32A22FI
			40	68	750	9	FWP-40A22FI
			50	135	1600	9.5	FWP-50A22FI
			63	280	3080	11	FWP-63A22FI
			80	600	6600	13.5	FWP-80A22FI
			100	1100	12,500	16	FWP-100A22FI

Dimensions - mm, without striker



Dimensions - mm (in), with striker



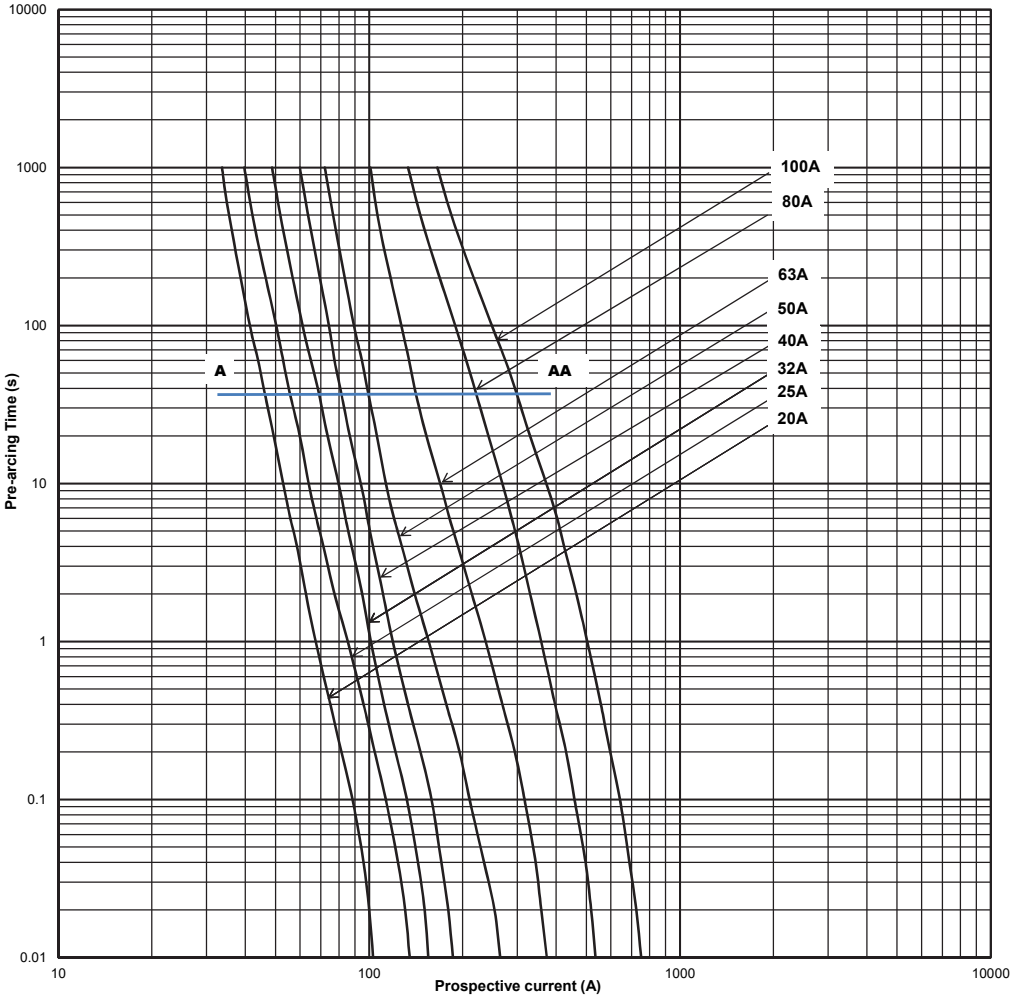
Data sheets: 720026, 5781723

Downloaded from Arrow.com.

Ferrule fuse links

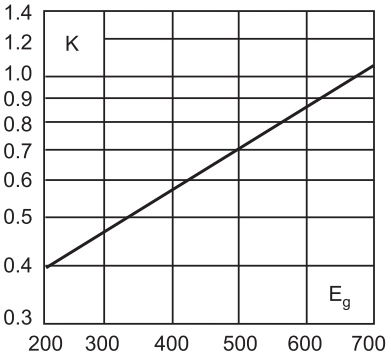
700 V a.c. / V d.c. (UL) and 500 V d.c. (UL) - 20 A to 100 A - 22 x 58 mm - FWP

Time-current curve - 20 A to 100 A



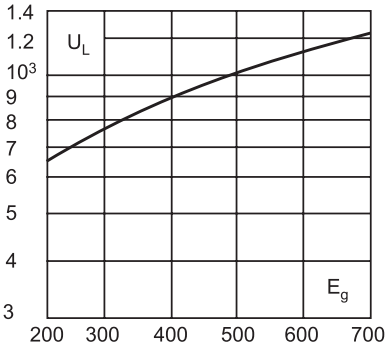
Total clearing I²t

The total clearing I²t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I²t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



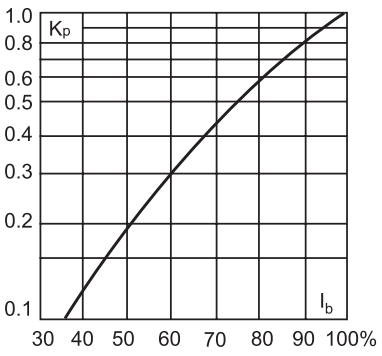
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.



Data sheets: 720026, 5781723

Downloaded from Arrow.com.

750 V d.c. (IEC) - 5 A to 30 A - 20 x 127 mm - FWK

Description

Ferrule style high speed fuse links for the protection of DC common bus, DC drives, power converters/rectifiers and reduced rated voltage starters.



Technical Data

- Rated voltage: 750 V d.c. (IEC)
- Rated current: 5 A to 30 A (20 x 127 mm)
- Breaking capacity: 50 kA at 750 V d.c., L/R 10-15ms
- Operating class: gG

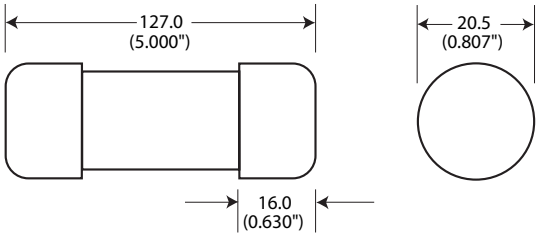
Standards / Agency information:

CE

Catalogue numbers

Fuse link size	Rated voltage	Rated current (Amps)	I^2t (A^2 Sec) Pre-arcing	I^2t (A^2 Sec) Clearing at 750 V d.c.	Watts loss (W)	Catalogue numbers
20 x 127 mm ($^{13}/_{16}$" x 5")	750 V d.c. (IEC)	5	8.5	16	6.7	FWK-5A20F
		8	50	100	8.8	FWK-8A20F
		10	95	200	8.5	FWK-10A20F
		15	100	240	5	FWK-15A20F
		20	125	315	7.8	FWK-20A20F
		25	400	1100	6.5	FWK-25A20F
		30	800	2600	6.5	FWK-30A20F

Dimensions - mm (in), 20 x 127 mm, 5 A to 30 A



Data sheets: 720039, 5785454

Downloaded from Arrow.com.

Ferrule fuse links

1000 V a.c. / 800 V d.c. (UL) - 20 A to 30 A - 14 x 67 mm - FWJ

Description

Ferrule style high speed fuse links for the protection of DC common bus, DC drives, power converters/rectifiers and reduced rated voltage starters.



Technical data

- Rated voltage: 1000 V a.c. / 800 V d.c.
- Rated current: 20 A to 30 A
- Breaking capacity:
  - 25kA RMS Sym
  - 50 kA at 800 V d.c.
- Operating class: aR

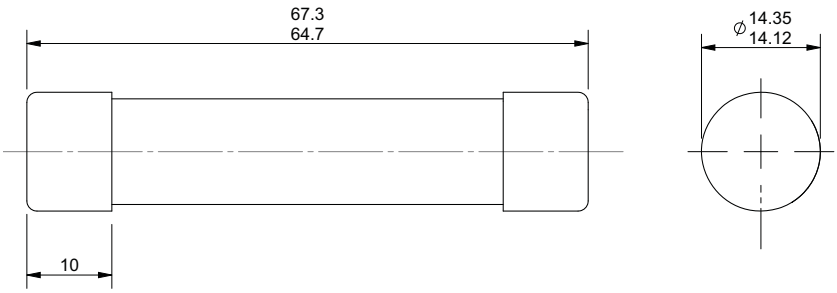
Standards / Agency information

CE, UL Recognised

Catalogue numbers

Fuse link size	Rated voltage	Rated current (Amps)	I^2t (A^2 Sec) Pre-arcing	I^2t (A^2 Sec) Clearing at 1000 V a.c.	Watts loss (W)	Catalogue numbers
14 x 67 mm (9/16" x 2 5/8")	1000 V a.c./ 800 V d.c. (UL)	20	25	220	9	FWJ-20A14F
		25	33	350	11	FWJ-25A14F
		30	52	450	14	FWJ-30A14F

Dimensions (mm)

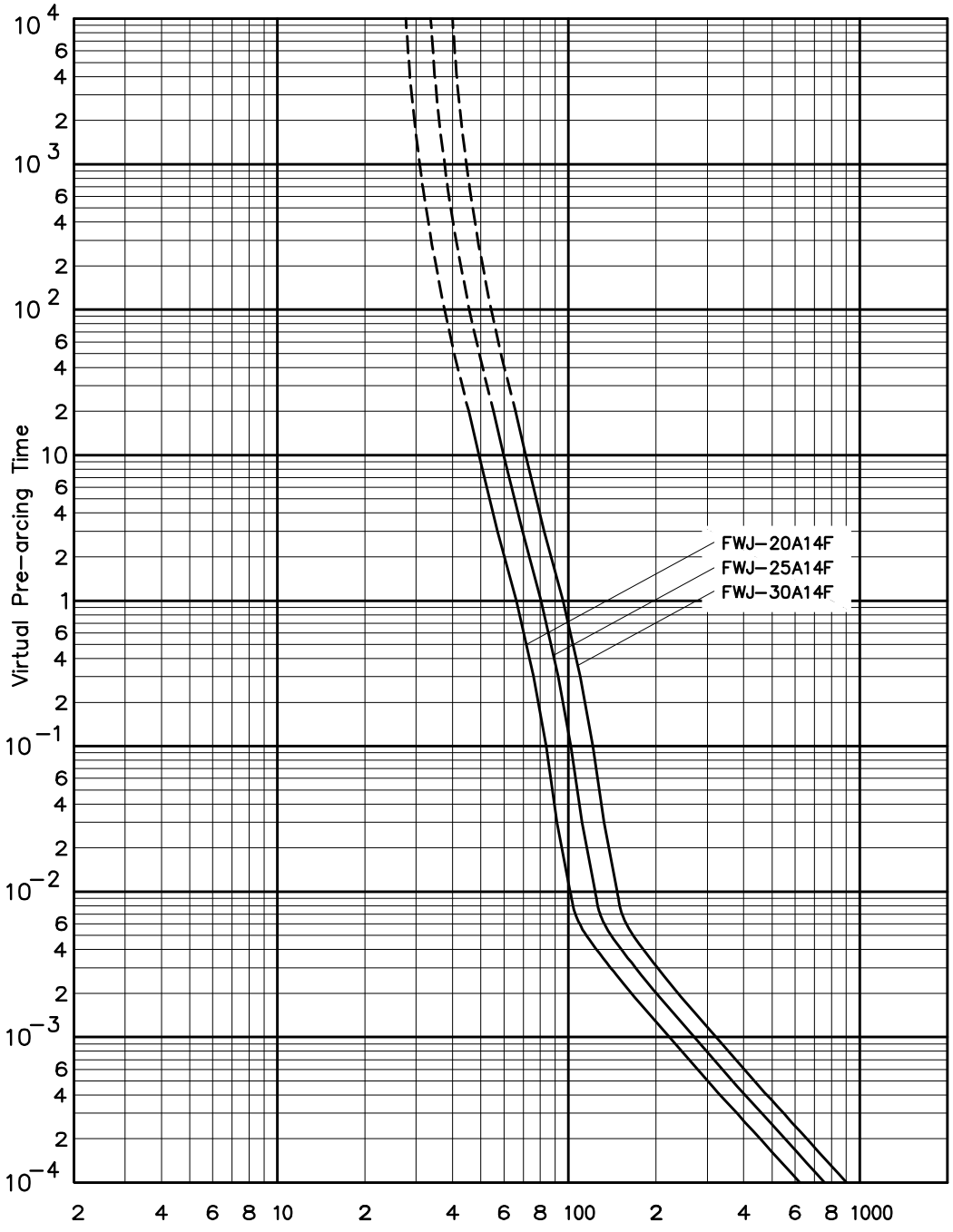


Data sheets: 720028, 5785173, 5785315

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1000 V a.c. / 800 V d.c. (UL) - 20 A to 30 A - 14 x 67 mm - FWJ

Time-current curve - 20 A to 30 A



Data sheets: 720028, 5785173, 5785315

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Ferrule fuse links

1200 V a.c. / 1000 V d.c. (IEC) - 20 A to 30 A - 20 x 127 mm - FWL

Description

Ferrule style high speed fuse links for the protection of DC common bus, DC drives, power converters/rectifiers and reduced rated voltage starters. Available with indicator.



Technical data

- Rated voltage: 1200 V a.c. / 1000 V d.c. (IEC)
- Rated current: 20 A, 25 A and 30 A
- Breaking capacity:
  - 50 kA RMS Sym
  - 50 kA at 1000 V d.c.
- Operating Class: gR

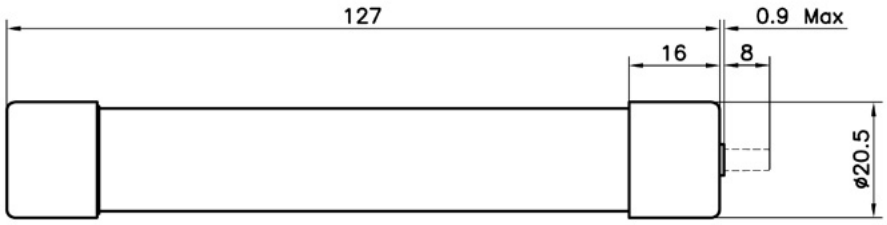
Standards / Agency information

CE

Catalogue numbers

			I^2t (A^2 Sec)			Catalogue numbers	
Fuse link size	Rated voltage	Rated current (Amps)	Pre-arcing	Clearing at 1000 V a.c.	Watts loss (W)	Without indicator	With indicator
20 x 127 mm ($^{13}/_{16}$" x 5")	1200 V a.c./ 1000 V d.c. (IEC)	20	675	1550	5.9	FWL-20A20F	FWL-20A20FI
		25	1200	2760	6.5	FWL-25A20F	FWL-25A20FI
		30	1850	4300	7.5	FWL-30A20F	FWL-30A20FI

Dimensions (mm)

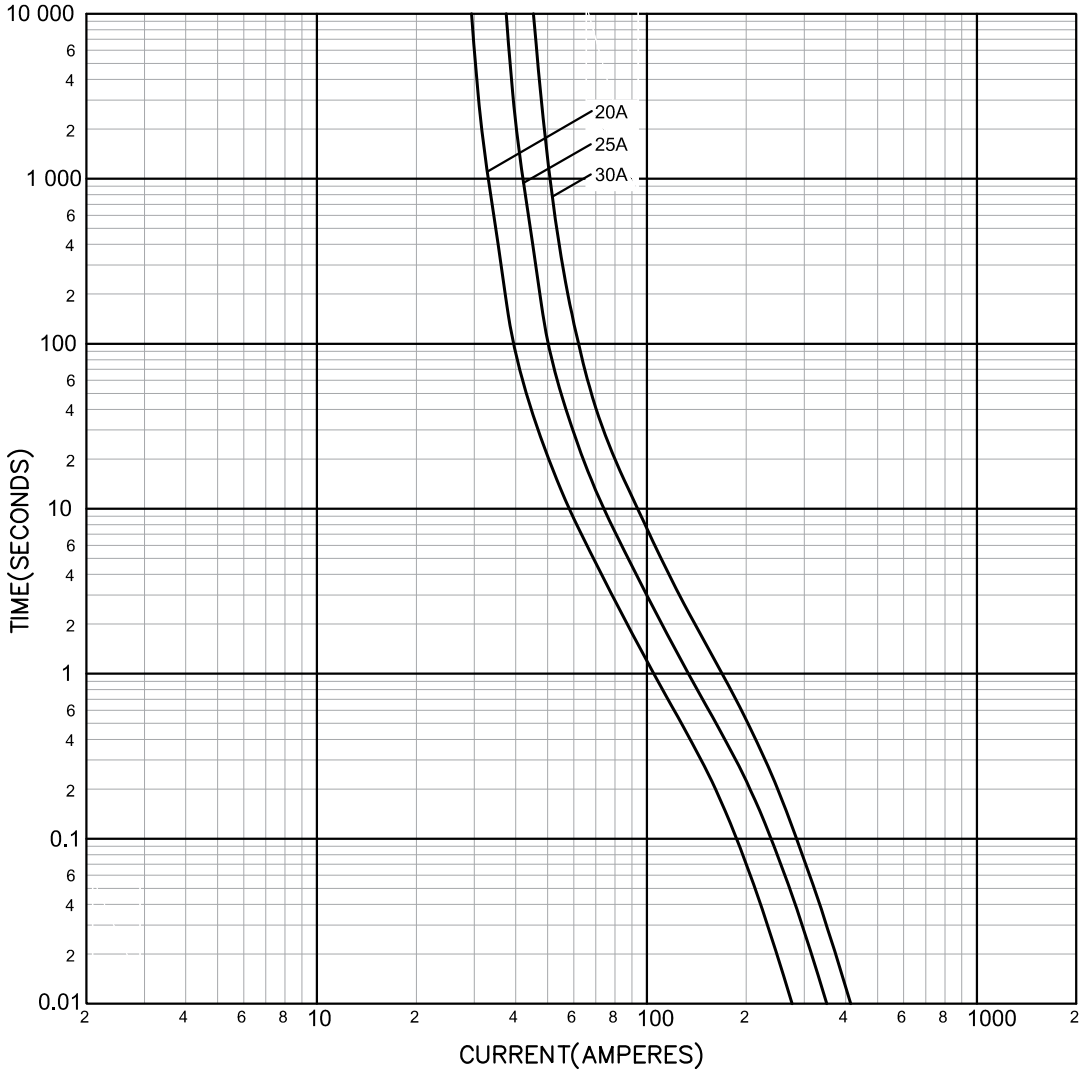


Data sheet: 5785455

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1200 V a.c. / 1000 V d.c. (IEC) - 20 A to 30 A - 20 x 127 mm - FWL

Time-current curve - 20 A to 30 A



Data sheet: 5785455

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Ferrule fuse links

1400 - 2000 V a.c. / 1000 V d.c. (IEC) - 2 A to 15 A - 20 x 127 mm - FWS

Description

Ferrule style high speed fuse links for the protection of DC common bus, DC drives, power converters/rectifiers and reduced rated voltage starters. Available with indicator.



Technical Data

- Rated voltage:
  - 2000 V a.c. / 1000 V d.c. (IEC, 2 A to 8 A)
  - 1400 V a.c. / 1000 V d.c. (IEC, 10 A to 15 A)
- Rated current: 2 A to 15 A
- Breaking capacity:
  - 50 kA RMS Sym.
  - 50 kA at 1000 V d.c. (2 A to 10 A only)
- Operating class: gR

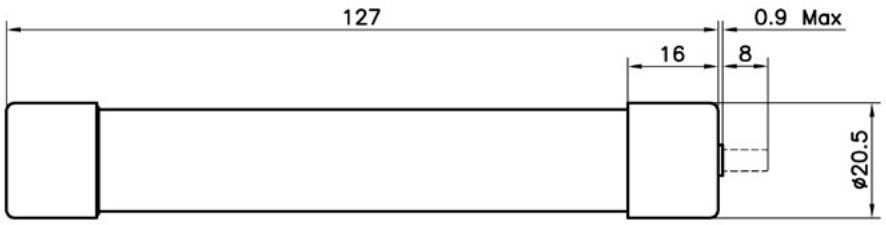
Standards/Agency Information

CE

Catalogue numbers

			I^2t (A^2 Sec)			Catalogue numbers	
Fuse link size	**Rated voltage**	**Rated current (Amps)**	**Pre-arcing**	**Clearing at 1000 V a.c.**	**Watts loss (W)**	**Without indicator**	**With indicator**
20 x 127 mm ($^{13}/_{16}$" x 5")	2000 V a.c./2000 V d.c.(IEC)	2	0.8	2.4	4.4	FWS-2A20F	FWS-2A20FI
	2000 V a.c./1000 V d.c.(IEC)	6	27	81	6.7	FWS-6A20F	FWS-6A20FI
		8	64	192	7.6	FWS-8A20F	FWS-8A20FI
	1400 V a.c./ 1000 V d.c.(IEC)	10	118	277	3	FWS-10A20F	FWS-10A20FI
		12	170	380	3.4	FWS-12A20F	FWS-12A20FI
		15	209	500	5	FWS-15A20F	FWS-15A20FI

Dimensions (mm)

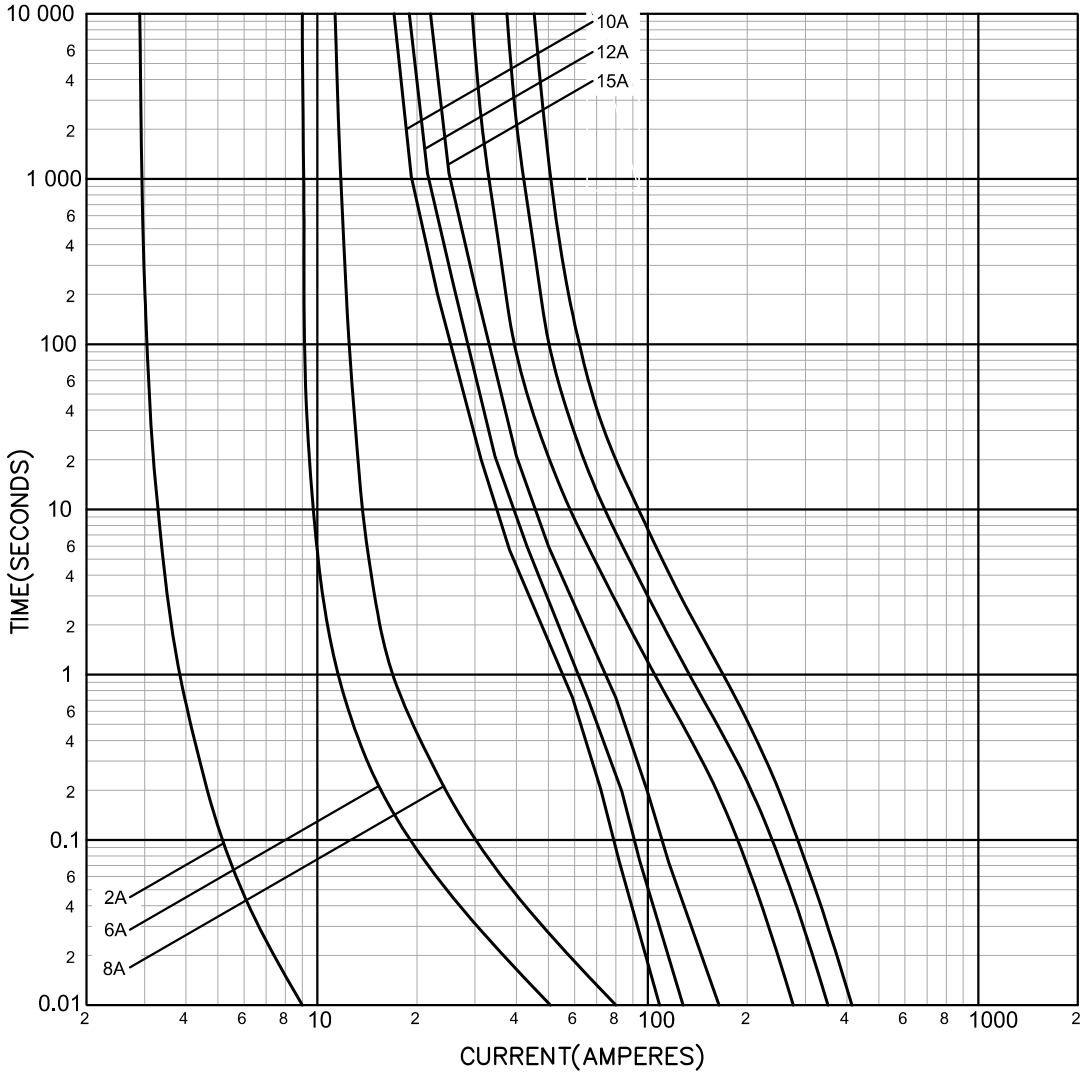


Data sheets: 720040, 5785455

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1400 - 2000 V a.c. / 1000 V d.c. (IEC) - 2 A to 15 A - 20 x 127 mm - FWS

Time-current curve - 2 A to 15 A



Data sheets: 720040, 5785455

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Square body fuse links DIN 43653

690 V a.c. (IEC), 700 V a.c. / V d.c. (UL) - 10 A to 400 A - Sizes 000 and 00 - DIN 43653 - 170M

Description

Square body DIN 43653 bolted tags high speed fuse links, for the protection of DC common bus, DC drives, power converters/rectifiers and reduced rated voltage starters.



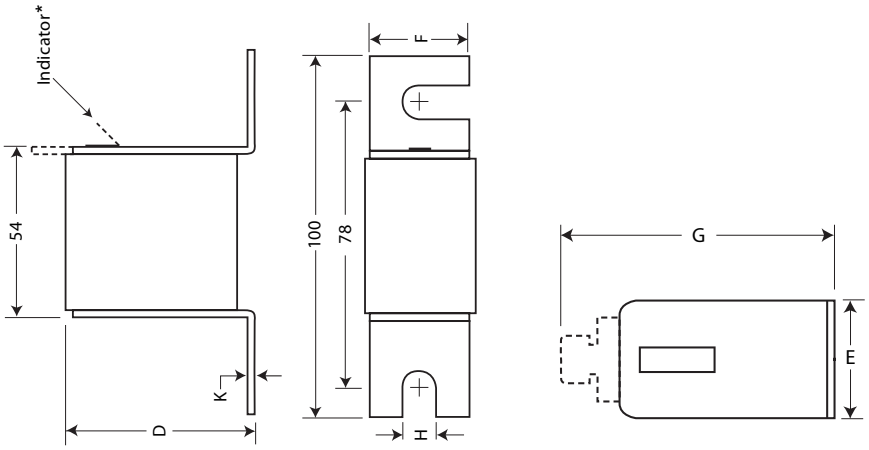
Technical data

- Rated voltage:
  - 690 V a.c. (IEC)
  - 700 V a.c. (UL, size 000; size 00 100 A to 400 A)
  - 700 V d.c. (UL, size 000)
- Rated current: 10 A to 400 A
- Breaking capacity:
  - 200 kA RMS Sym
  - 50 kA at 700 V d.c. (size 000 only)
- Operating class
  - gR - size 000 (10 A to 63 A), size 00 (25 A to 80 A)
  - aR - size 000 (>63 A), size 00 (>80 A)

Standards/Agency Information

CE, Designed and tested to IEC 60269 part 4. UL Recognised/CSA Component Acceptance on Size 000. CCC approved

Dimensions (mm)



* Indication for Size 00 fuses is a red pin.

The dotted line illustrates the Type T indicator fuse link.

Type -U/80, -/80, -TN/80

Size	D	E	F	G	H	K
000	40	21	20	51	8	2
00	51	30	28	67	10	2

Data sheets: 170K6310 (Size 000), 170K6312 (Size 00)

Downloaded from Arrow.com.

690 V a.c. (IEC), 700 V a.c. / V d.c. (UL) - 10 A to 400 A - Sizes 000 and 00 - DIN 43653 - 170M

Catalogue numbers

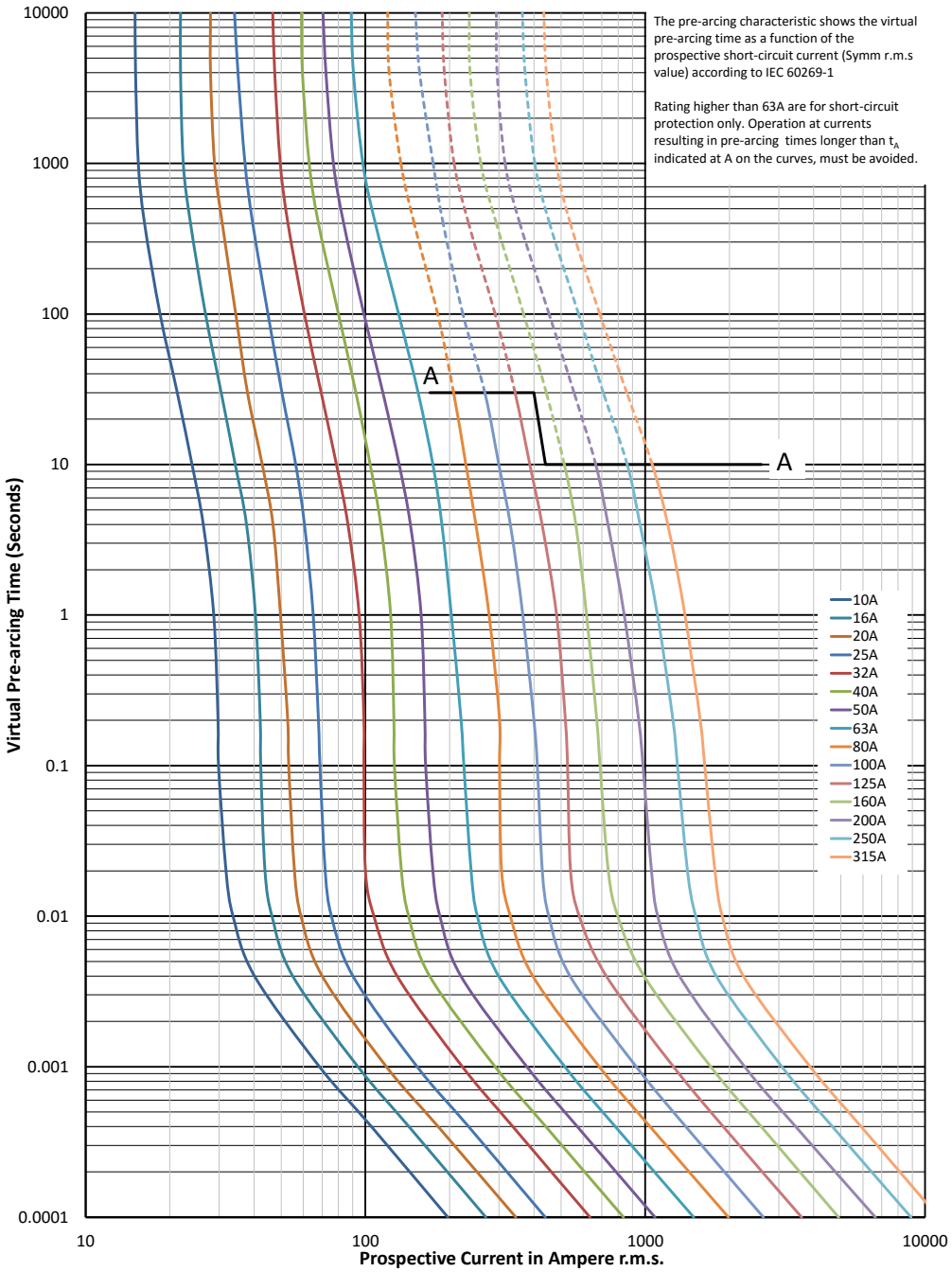
Fuse link body size	Rated voltage	Rated current (Amps)	I^2t (A^2 Sec) Pre-Arcing	I^2t (A^2 Sec) Clearing at 660 V a.c.	Watts loss (W)	Operating class	Catalogue numbers -U/80 Without indicator	Catalogue numbers -/80 Visual indicator	Catalogue numbers -TN/80 Type T indicator for micro
000	690 V a.c. (IEC) 700 V a.c. / V d.c. (UL)	10	3.8	25.5	3	gR	170M1308	170M1358	170M1408
		16	7.2	48	5.5		170M1309	170M1359	170M1409
		20	11.5	78	7		170M1310	170M1360	170M1410
		25	19	130	9		170M1311	170M1361	170M1411
		32	40	270	10		170M1312	170M1362	170M1412
		40	69	460	12		170M1313	170M1363	170M1413
		50	115	770	15		170M1314	170M1364	170M1414
		63	215	1450	16		170M1315	170M1365	170M1415
		80	380	2550	19	aR	170M1316	170M1366	170M1416
		100	695	4650	24		170M1317	170M1367	170M1417
		125	1250	8500	28		170M1318	170M1368	170M1418
		160	2350	16,000	32		170M1319	170M1369	170M1419
		200	4200	28,000	37		170M1320	170M1370	170M1420
		250	7750	51,500	42		170M1321	170M1371	170M1421
		315	12,000	80,500	53		170M1322	170M1372	170M1422
00	690 V a.c. (IEC)	25	19	130	6	gR		170M2608	170M2658
		32	28.5	195	7			170M2609	170M2659
		40	50	360	9			170M2610	170M2660
		50	95	640	10			170M2611	170M2661
		63	170	1200	12			170M2612	170M2662
		80	310	2100	15			170M2613	170M2663
00	690 V a.c. (IEC) 700 V a.c. (UL)	100	620	4150	20	aR		170M2614	170M2664
		125	1000	6950	25			170M2615	170M2665
		160	1900	13,000	30			170M2616	170M2666
		200	3400	23,000	35			170M2617	170M2667
		250	6250	42,000	45			170M2618	170M2668
		315	10,000	68,500	55			170M2619	170M2669
		350	13,500	91,500	60			170M2620	170M2670
		400	18,000	125,000	70			170M2621	170M2671

Data sheets: 170K6310 (Size 000), 170K6312 (Size 00)

Downloaded from Arrow.com.

690 V a.c. (IEC), 700 V a.c. / V d.c. (UL) - 10 A to 400 A - Sizes 000 and 00 - DIN 43653 - 170M

Time-current curve - Size 000 - 10 A to 315 A



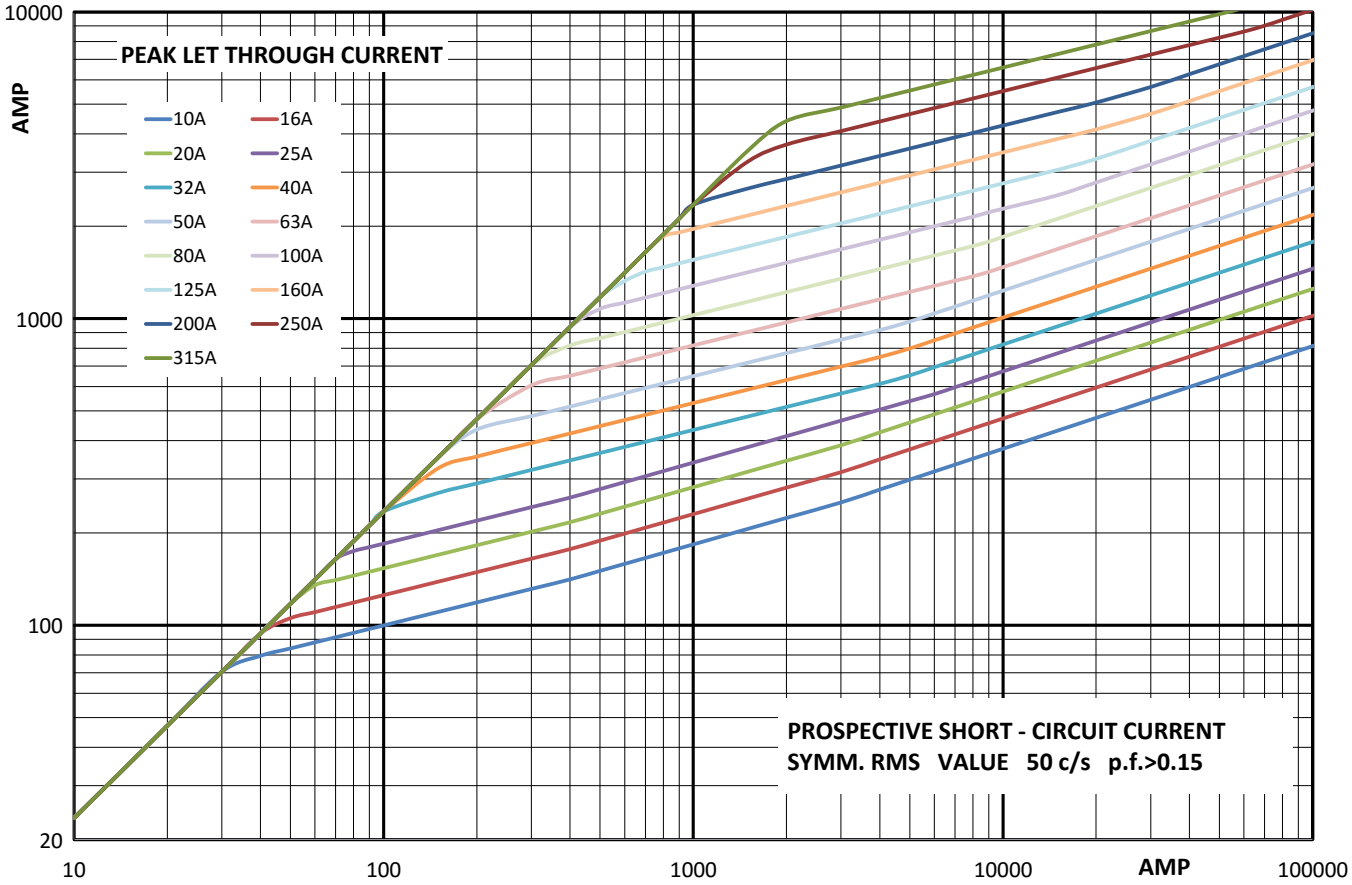
K_b = 1 N = 1.6

Data sheets: 170K6310 (Size 000), 170K6312 (Size 00)

Downloaded from Arrow.com.

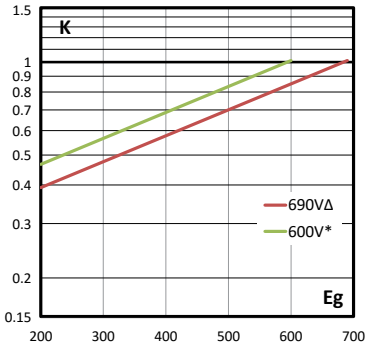
690 V a.c. (IEC), 700 V a.c. / V d.c. (UL) - 10 A to 400 A - Sizes 000 and 00 - DIN 43653 - 170M

Cut-off curve - Size 000 - 10 A to 315 A



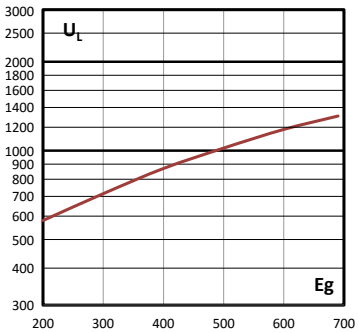
Total clearing I^2t

The total clearing I^2t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I^2t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



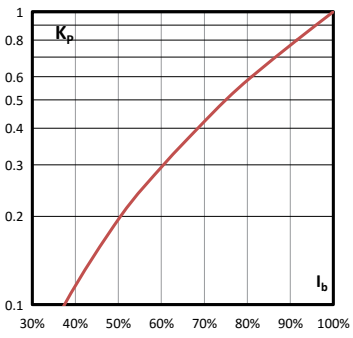
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.

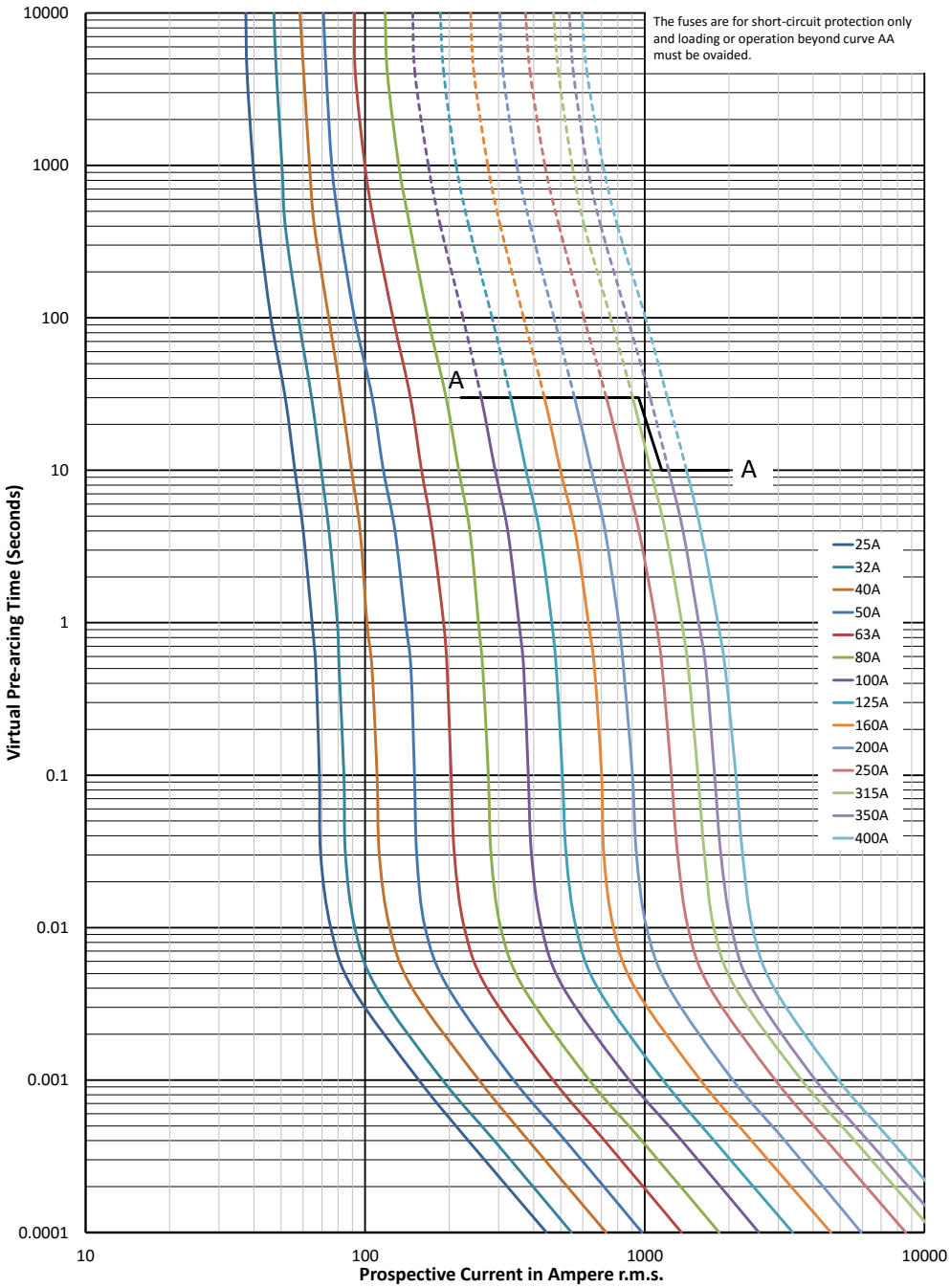


Data sheets: 170K6310 (Size 000), 170K6312 (Size 00)

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690 V a.c. (IEC), 700 V a.c. / V d.c. (UL) - 10 A to 400 A - Sizes 000 and 00 - DIN 43653 - 170M

Time-current curve - Size 00, 25 A to 400 A



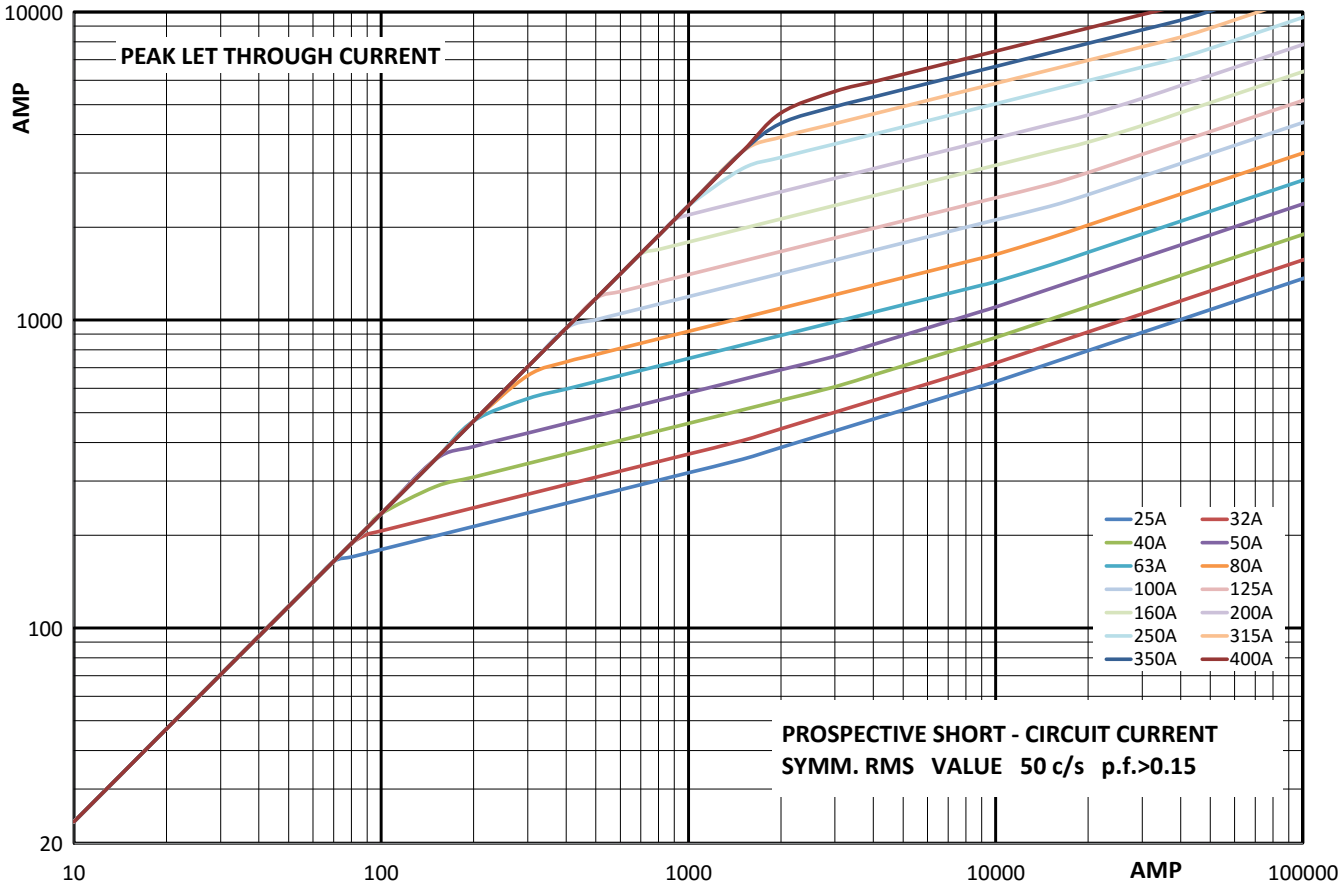
K_b = 1 N = 1.5

Data sheets: 170K6310 (Size 000), 170K6312 (Size 00)

Downloaded from Arrow.com.

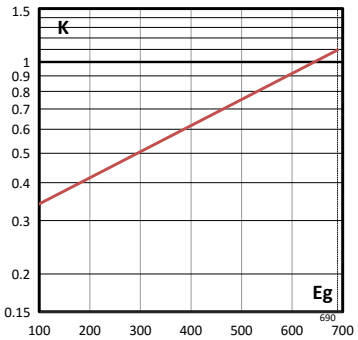
690 V a.c. (IEC), 700 V a.c. / V d.c. (UL) - 10 A to 400 A - Sizes 000 and 00 - DIN 43653 - 170M

Cut-off curve- Size 00 , 25 A to 400 A



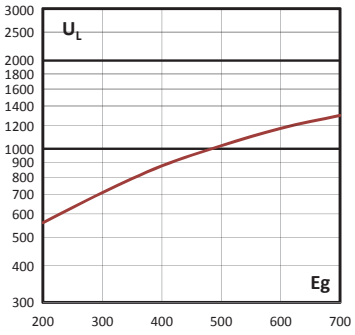
Total clearing I²t

The total clearing I²t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I²t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



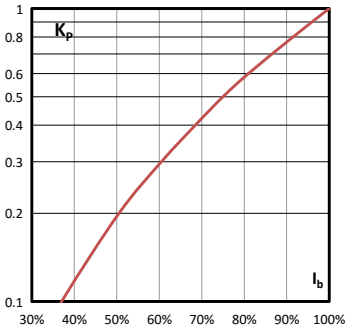
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.



Data sheets: 170K6310 (Size 000), 170K6312 (Size 00)

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Square body fuse links DIN 43653

690 V a.c. (IEC), 700 V a.c. (UL) - 40 A to 2000 A - Sizes 1* to 3 - DIN 43653 - 170M

Description

Square body DIN 43653 bolted tags high speed fuse links, for the protection of DC common bus, DC drives, power converters/rectifiers and reduced rated voltage starters.



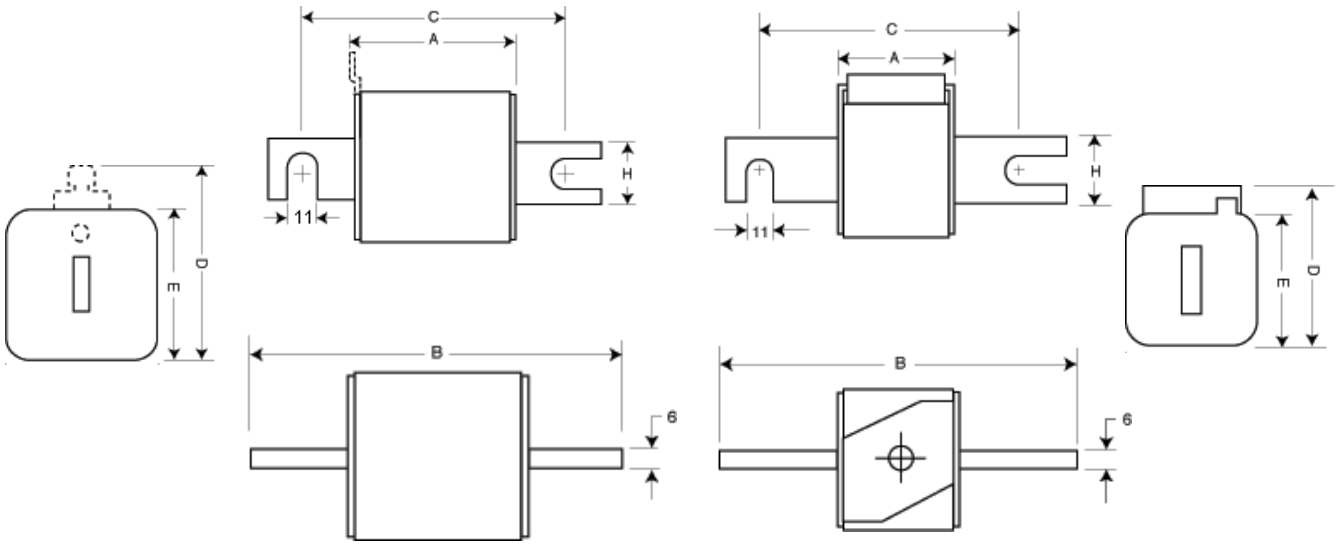
Technical data

- Rated voltage:
  - 690 V a.c. (IEC)
  - 700 V a.c. (UL)
- Rated current: 40 A to 2000 A
- Breaking capacity: 200 kA RMS Sym
- Operating class: aR

Standards / Agency information

CE, Designed and tested to IEC60269 Part 4. Consult Eaton for UL Recognition/CSA Component Acceptance status. CCC except where noted.

Dimensions (mm)



Type -/80, -TN/80, -/110, -TN/110

Size	A	B	B[1]	C	C[1]	D[2]	E	H
1*	50	104	134	78	108	58	45	22
1	50	108	138	78	108	66	53	25
2	50	108	138	78	108	75	61	25
3	51	109	139	78	108	90	76	30

Type -KN/80, -KN/110

Size	A	B	B[3]	C	C[3]	D	E	H
1*	50	104	134	78	108	59	45	22
1	50	108	138	78	108	69	53	25
2	50	108	138	78	108	77	61	25
3	51	109	139	78	108	92	76	30

[1] Valid for fuse links type -/110, -TN/110.
[2] Valid for Fuse type -TN/80 and -TN/110.

[3] Valid for fuse links type -KN/110.
1mm = 0.0394"

1mm = 0.0394"

Data sheets: 170K6314 (Size 1*), 170K6316 (Size 1), 170K6318 (Size 2), 170K6320 (Size 3)

Downloaded from Arrow.com.

690 V a.c. (IEC), 700 V a.c. (UL) - 40 A to 2000 A - Sizes 1* to 3 - DIN 43653 - 170M

Catalogue numbers

Fuse link body size	Rated voltage	Rated current (Amps)	I^2t (A^2 Sec) Pre-arcing	I^2t (A^2 Sec) Clearing at 660 V a.c.	Watts loss (W)	Catalogue numbers -/80 Visual indicator	-TN/80 Type T indicator for micro	-KN/80 Type K indicator for micro	-/110 Visual indicator	-TN/110 Type T indicator for micro	-KN/110 Type K indicator for micro
1*	690 V a.c. (IEC) 700 V a.c. (UL)	40	40	270	9	170M3008	170M3058	170M3108	170M3158	170M3208	170M3258
		50	77	515	11	170M3009	170M3059	170M3109	170M3159	170M3209	170M3259
		63	115	770	14	170M3010	170M3060	170M3110	170M3160	170M3210	170M3260
		80	185	1250	18	170M3011	170M3061	170M3111	170M3161	170M3211	170M3261
		100	360	2450	21	170M3012	170M3062	170M3112	170M3162	170M3212	170M3262
		125	550	3700	26	170M3013	170M3063	170M3113	170M3163	170M3213	170M3263
		160	1100	7500	30	170M3014	170M3064	170M3114	170M3164	170M3214	170M3264
		200	2200	15,000	35	170M3015	170M3065	170M3115	170M3165	170M3215	170M3265
		250	4200	28,500	40	170M3016	170M3066	170M3116	170M3166	170M3216	170M3266
		315	7000	46,500	50	170M3017	170M3067	170M3117	170M3167	170M3217	170M3267
		350	10,000	68,500	55	170M3018	170M3068	170M3118	170M3168	170M3218	170M3268
		400	15,000	105,000	60	170M3019	170M3069	170M3119	170M3169	170M3219	170M3269
		450	21,000	140,000	65	170M3020	170M3070	170M3120	170M3170	170M3220	170M3270
		500	27,000	180,000	70	170M3021	170M3071	170M3121	170M3171	170M3221	170M3271
		550	34,000	230,000	75	170M3022	170M3072	170M3122	170M3172	170M3222	170M3272
		630	48,500	325,000	80	170M3023	170M3073	170M3123	170M3173	170M3223	170M3273
1	690 V a.c. (IEC) 700 V a.c. (UL)	200	1650	11,500	45	170M4008	170M4058	170M4108	170M4158	170M4208	170M4258
		250	3100	21,000	55	170M4009	170M4059	170M4109	170M4159	170M4209	170M4259
		315	6200	42,000	58	170M4010	170M4060	170M4110	170M4160	170M4210	170M4260
		350	8500	59,000	60	170M4011	170M4061	170M4111	170M4161	170M4211	170M4261
		400	13,500	91,500	65	170M4012	170M4062	170M4112	170M4162	170M4212	170M4262
		450	17,000	120,000	70	170M4013	170M4063	170M4113	170M4163	170M4213	170M4263
		500	25,000	170,000	72	170M4014	170M4064	170M4114	170M4164	170M4214	170M4264
		550	34,000	230,000	75	170M4015	170M4065	170M4115	170M4165	170M4215	170M4265
		630	52,000	350,000	80	170M4016	170M4066	170M4116	170M4166	170M4216	170M4266
		700	69,500	465,000	85	170M4017	170M4067	170M4117	170M4167	170M4217	170M4267
		800	105,000	725,000	95	170M4018	170M4068	170M4118	170M4168	170M4218	170M4268
	550 V a.c. IEC	900	155,000	850,000	100	170M4019[1]	170M4069[1]	170M4119[1]	170M4169[1]	170M4219[1]	170M4269[1]
2	690 V a.c. (IEC) 700 V a.c. (UL)	400	11,000	74,000	65	170M5008	170M5058	170M5108	170M5158	170M5208	170M5258
		450	15,500	105,000	70	170M5009	170M5059	170M5109	170M5159	170M5209	170M5259
		500	21,500	145,000	75	170M5010	170M5060	170M5110	170M5160	170M5210	170M5260
		550	28,000	190,000	80	170M5011	170M5061	170M5111	170M5161	170M5211	170M5261
		630	41,000	275,000	90	170M5012	170M5062	170M5112	170M5162	170M5212	170M5262
		700	60,500	405,000	95	170M5013	170M5063	170M5113	170M5163	170M5213	170M5263
		800	86,000	575,000	105	170M5014	170M5064	170M5114	170M5164	170M5214	170M5264
		900	125,000	840,000	110	170M5015	170M5065	170M5115	170M5165	170M5215	170M5265
		1000	180,000	1,250,000	115	170M5016	170M5066	170M5116	170M5166	170M5216	170M5266
	600 V a.c. (IEC) / 700 V a.c. UL	1100	245,000	1,600,000	120	170M5017	170M5067	170M5117	170M5167	170M5217	170M5267
		1250	365,000	2,400,000	130	170M5018	170M5068	170M5118	170M5168	170M5218	170M5268

.../...

Data sheets: 170K6314 (Size 1*), 170K6316 (Size 1), 170K6318 (Size 2), 170K6320 (Size 3)

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690 V a.c. (IEC), 700 V a.c. (UL) - 40 A to 2000 A - Sizes 1* to 3 - DIN 43653 - 170M

Catalogue numbers

Fuse link body size	Rated voltage	Rated current (Amps)	I²t (A² Sec) Pre-arcing	I²t (A² Sec) Clearing at 660 V a.c.	Watts loss (W)	Catalogue numbers -/80 Visual indicator	-TN/80 Type T indicator for micro	-KN/80 Type K indicator for micro	-/110 Visual indicator	-TN/110 Type T indicator for micro	-KN/110 Type K indicator for micro
3	690 V a.c. (IEC) 700 V a.c. (UL)	500	14,000	95,000	95	170M6008	170M6058	170M6108	170M6158	170M6208	170M6258
		550	19,500	135,000	100	170M6009	170M6059	170M6109	170M6159	170M6209	170M6259
		630	31,000	210,000	105	170M6010	170M6060	170M6110	170M6160	170M6210	170M6260
		700	44,500	300,000	110	170M6011	170M6061	170M6111	170M6161	170M6211	170M6261
		800	69,500	465,000	115	170M6012	170M6062	170M6112	170M6162	170M6212	170M6262
		900	100,000	670,000	120	170M6013	170M6063	170M6113	170M6163	170M6213	170M6263
		1000	140,000	945,000	125	170M6014	170M6064	170M6114	170M6164	170M6214	170M6264
		1100	190,000	1,300,000	130	170M6015	170M6065	170M6115	170M6165	170M6215	170M6265
		1250	290,000	1,950,000	140	170M6016	170M6066	170M6116	170M6166	170M6216	170M6266
		1400	370,000	2,450,000	155	170M6017	170M6067	170M6117	170M6167	170M6217	170M6267
		1500	460,000	3,100,000	160	170M6018	170M6068	170M6118	170M6168	170M6218	170M6268
		1600	580,000	3,900,000	160	170M6019	170M6069	170M6119	170M6169	170M6219	170M6269
	600 V a.c. IEC / 550 V a.c. UL	1800	880,000	5,250,000	165	170M6020[2]	170M6070[2]	170M6120	170M6170[2]	170M6220[2]	170M6270
	550 V a.c. IEC/ UL	2000	1,150,000	6,350,000	175	170M6021	170M6071	170M6121	170M6171	170M6221	170M6271

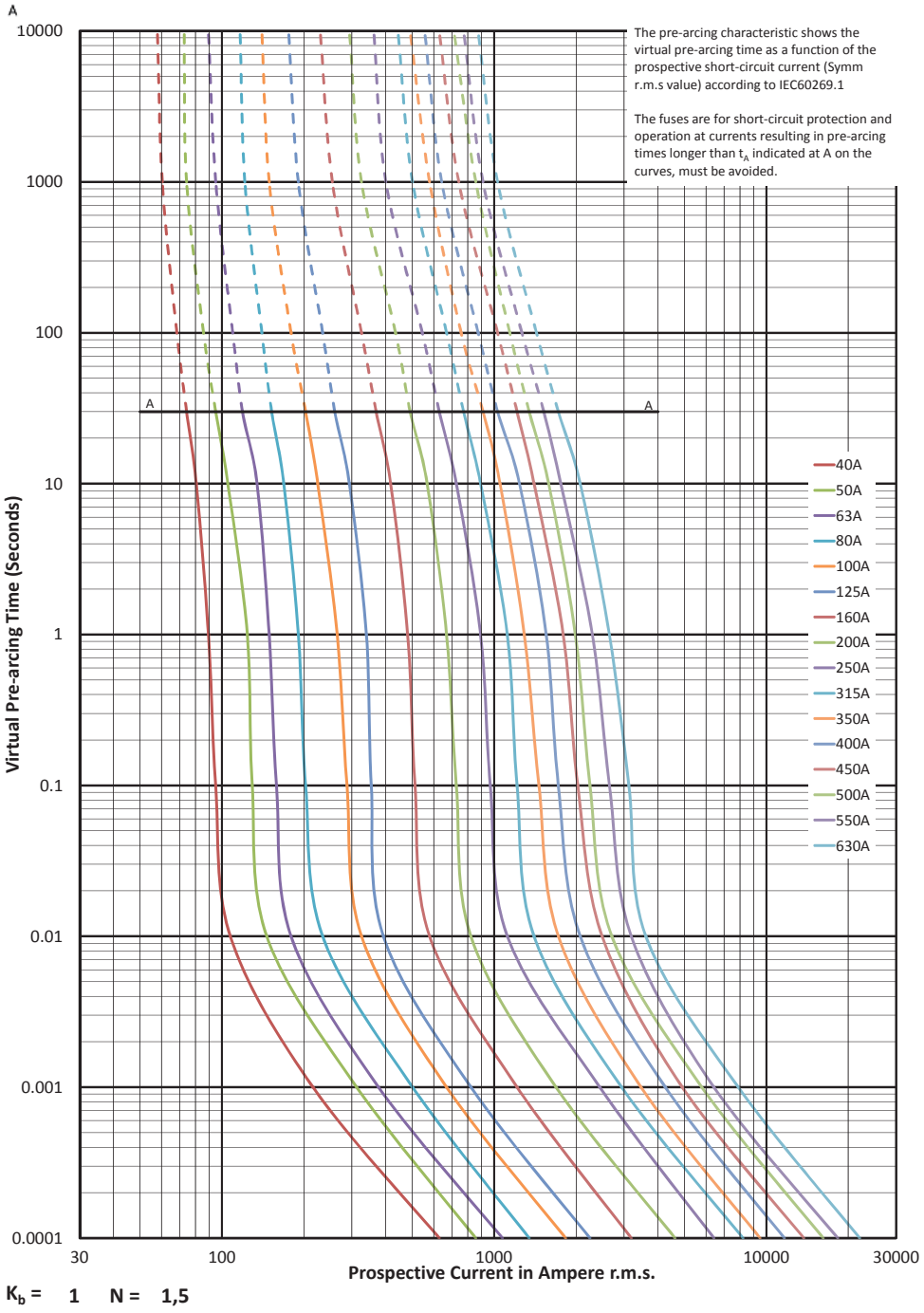
[1] Not UL Approved IEC [2] Rated at 750 V d.c. 12XIn 130 kA when two fuses connected in series

Data sheets: 170K6314 (Size 1*), 170K6316 (Size 1), 170K6318 (Size 2), 170K6320 (Size 3)

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690 V a.c. (IEC), 700 V a.c. (UL) - 40 A to 2000 A - Sizes 1* to 3 - DIN 43653 - 170M

Time-current curve - Size 1*, 40 A to 630 A



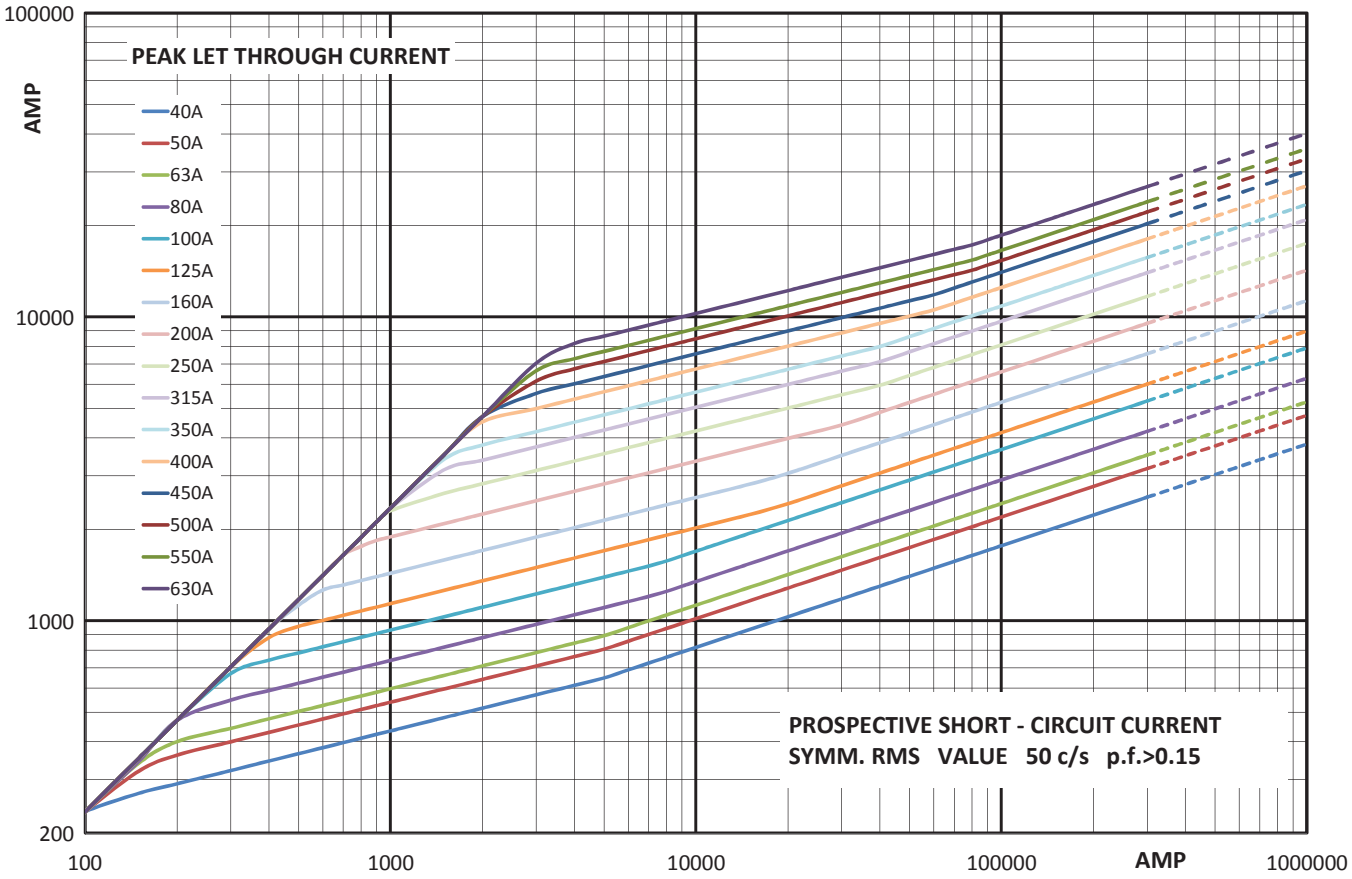
K_b = 1 N = 1,5

Data sheets: 170K6314 (Size 1*), 170K6316 (Size 1), 170K6318 (Size 2), 170K6320 (Size 3)

Downloaded from Arrow.com.

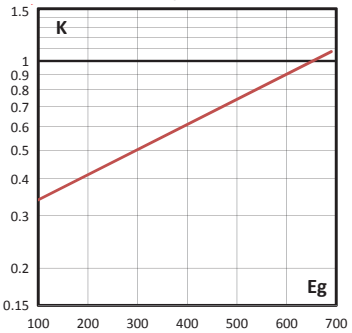
690 V a.c. (IEC), 700 V a.c. (UL) - 40 A to 2000 A - Sizes 1* to 3 - DIN 43653 - 170M

Cut-off curve - Size 1*, 40 A to 630 A



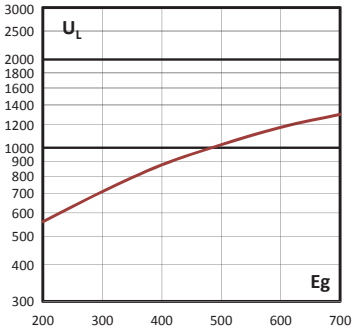
Total clearing I²t

The total clearing I²t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I²t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



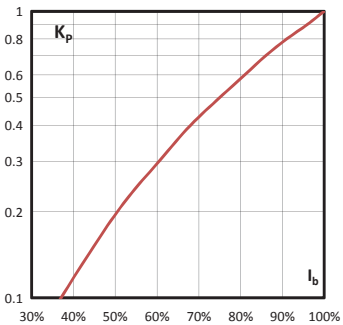
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p, is given as a function of the RMS load current, I_b, in percent of the rated current.

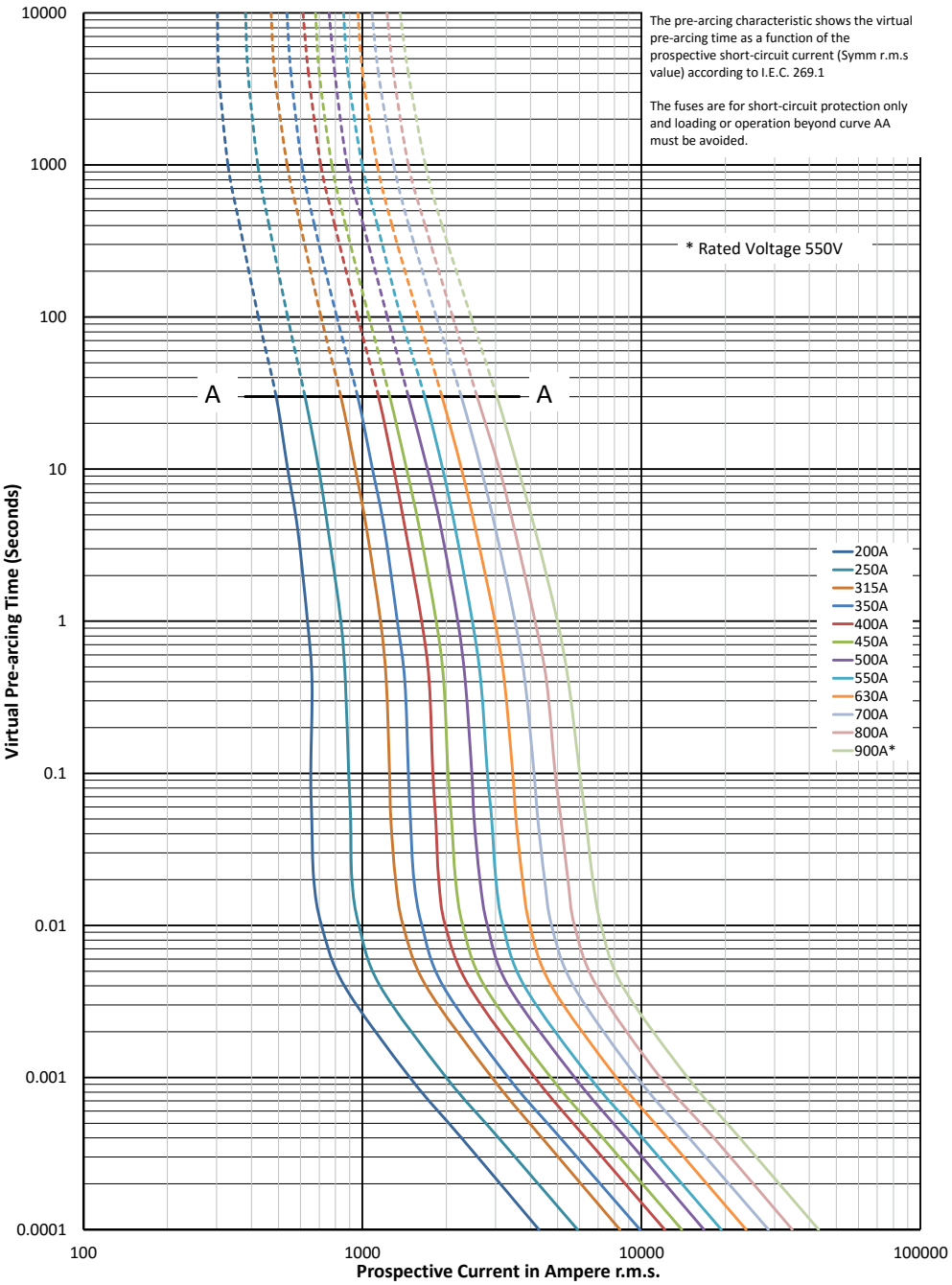


Data sheets: 170K6314 (Size 1*), 170K6316 (Size 1), 170K6318 (Size 2), 170K6320 (Size 3)

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690 V a.c. (IEC), 700 V a.c. (UL) - 40 A to 2000 A - Sizes 1* to 3 - DIN 43653 - 170M

Time-current curve - Size 1, 200 A to 900 A



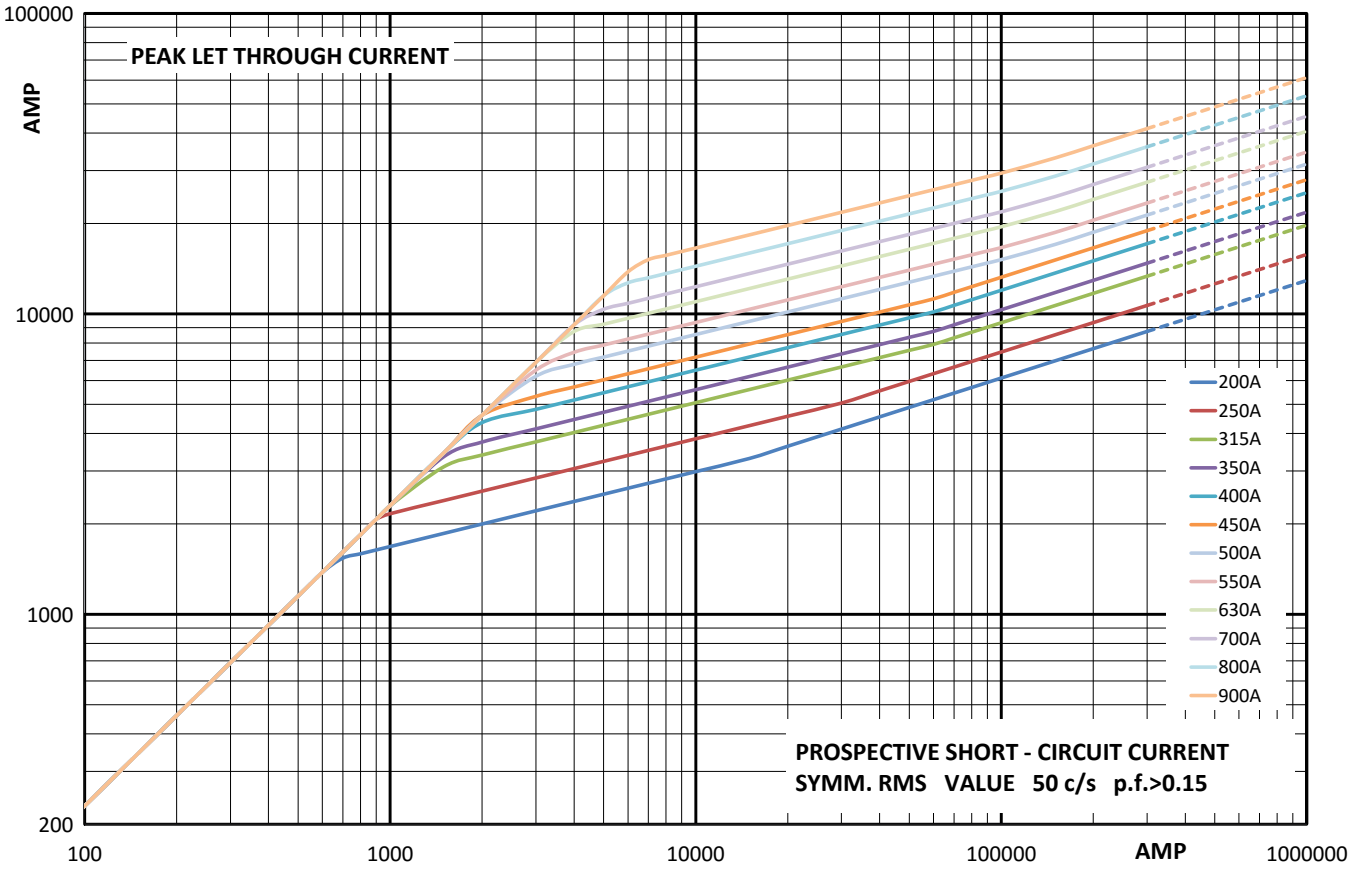
K_b = 1 N = 1.5

Data sheets: 170K6314 (Size 1*), 170K6316 (Size 1), 170K6318 (Size 2), 170K6320 (Size 3)

Downloaded from Arrow.com.

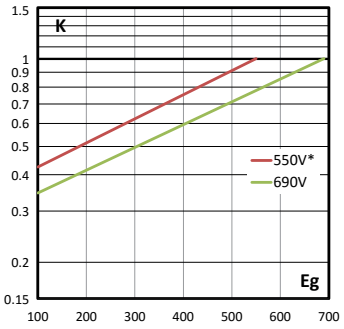
690 V a.c. (IEC), 700 V a.c. (UL) - 40 A to 2000 A - Sizes 1* to 3 - DIN 43653 - 170M

Cut-off curve - Size 1, 200 A to 900 A



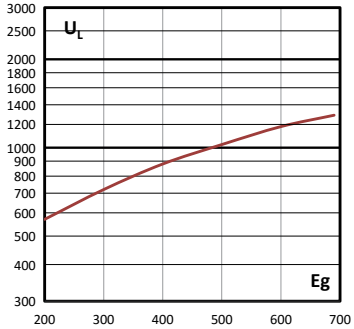
Total clearing I²t

The total clearing I²t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I²t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



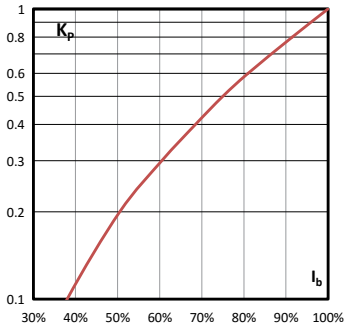
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p, is given as a function of the RMS load current, I_b, in percent of the rated current.

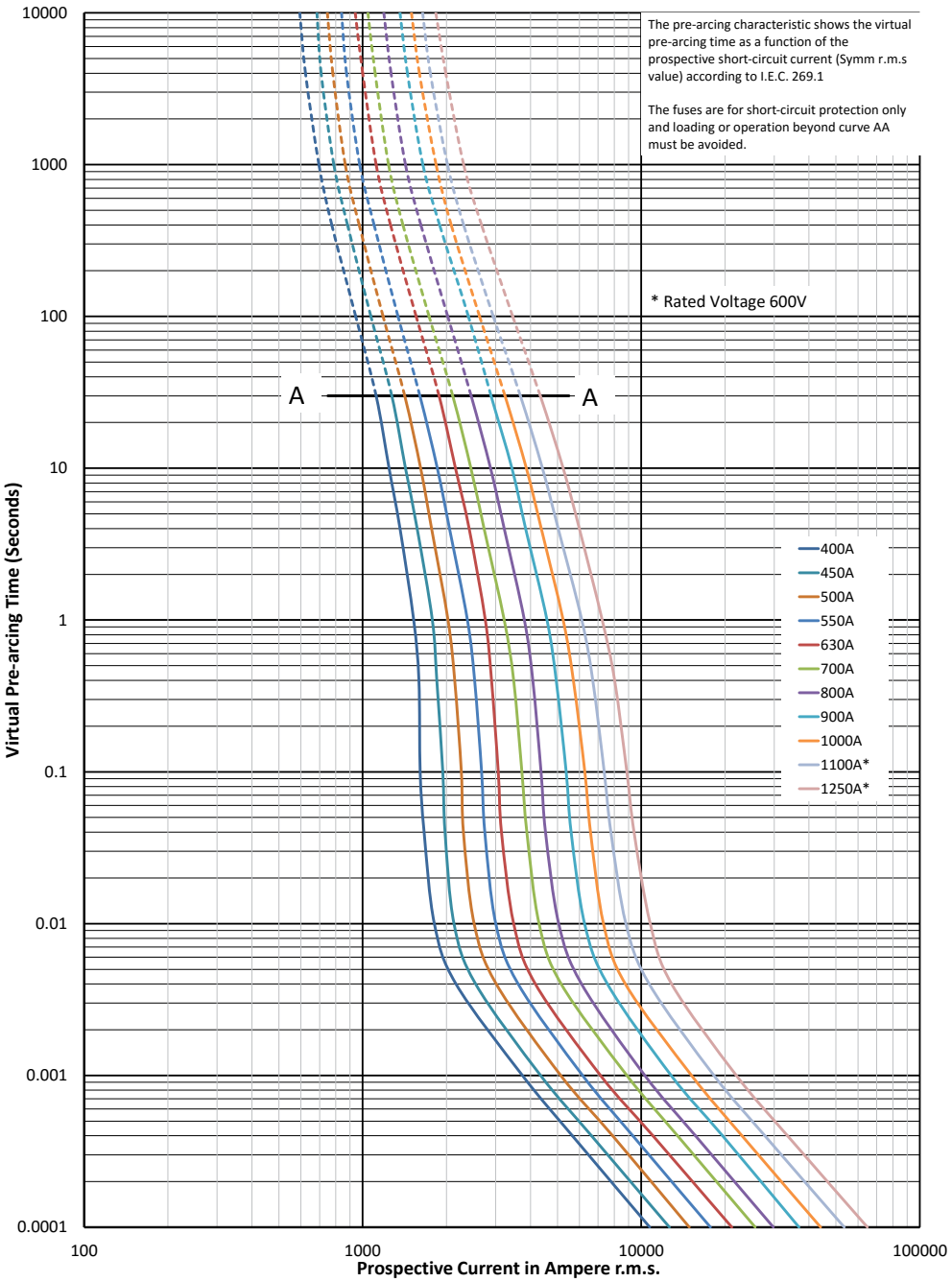


Data sheets: 170K6314 (Size 1*), 170K6316 (Size 1), 170K6318 (Size 2), 170K6320 (Size 3)

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690 V a.c. (IEC), 700 V a.c. (UL) - 40 A to 2000 A - Sizes 1* to 3 - DIN 43653 - 170M

Time-current curve - Size 2, 400 A to 1250 A



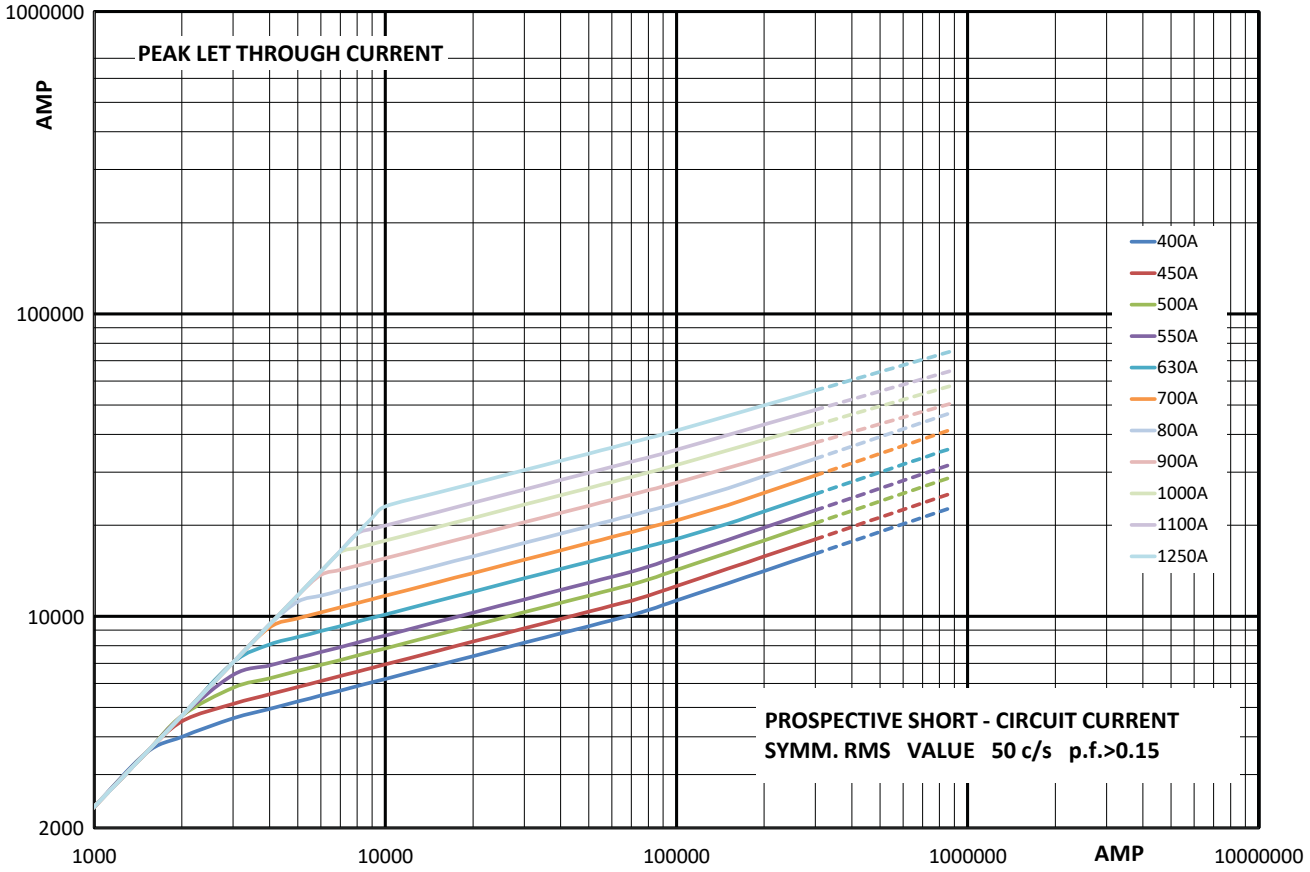
K_b = 1 N = 1.5

Data sheets: 170K6314 (Size 1*), 170K6316 (Size 1), 170K6318 (Size 2), 170K6320 (Size 3)

Downloaded from Arrow.com.

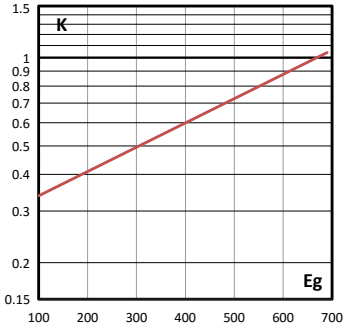
690 V a.c. (IEC), 700 V a.c. (UL) - 40 A to 2000 A - Sizes 1* to 3 - DIN 43653 - 170M

Cut-off curve - Size 2, 400 A to 1250 A



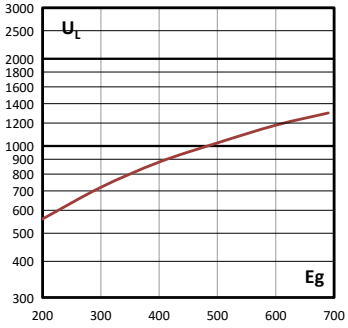
Total clearing I²t

The total clearing I²t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I²t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



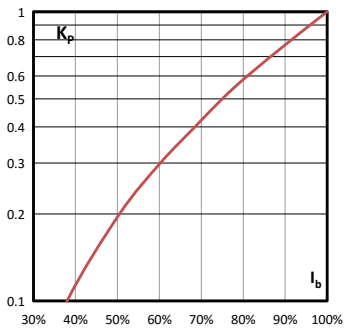
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.

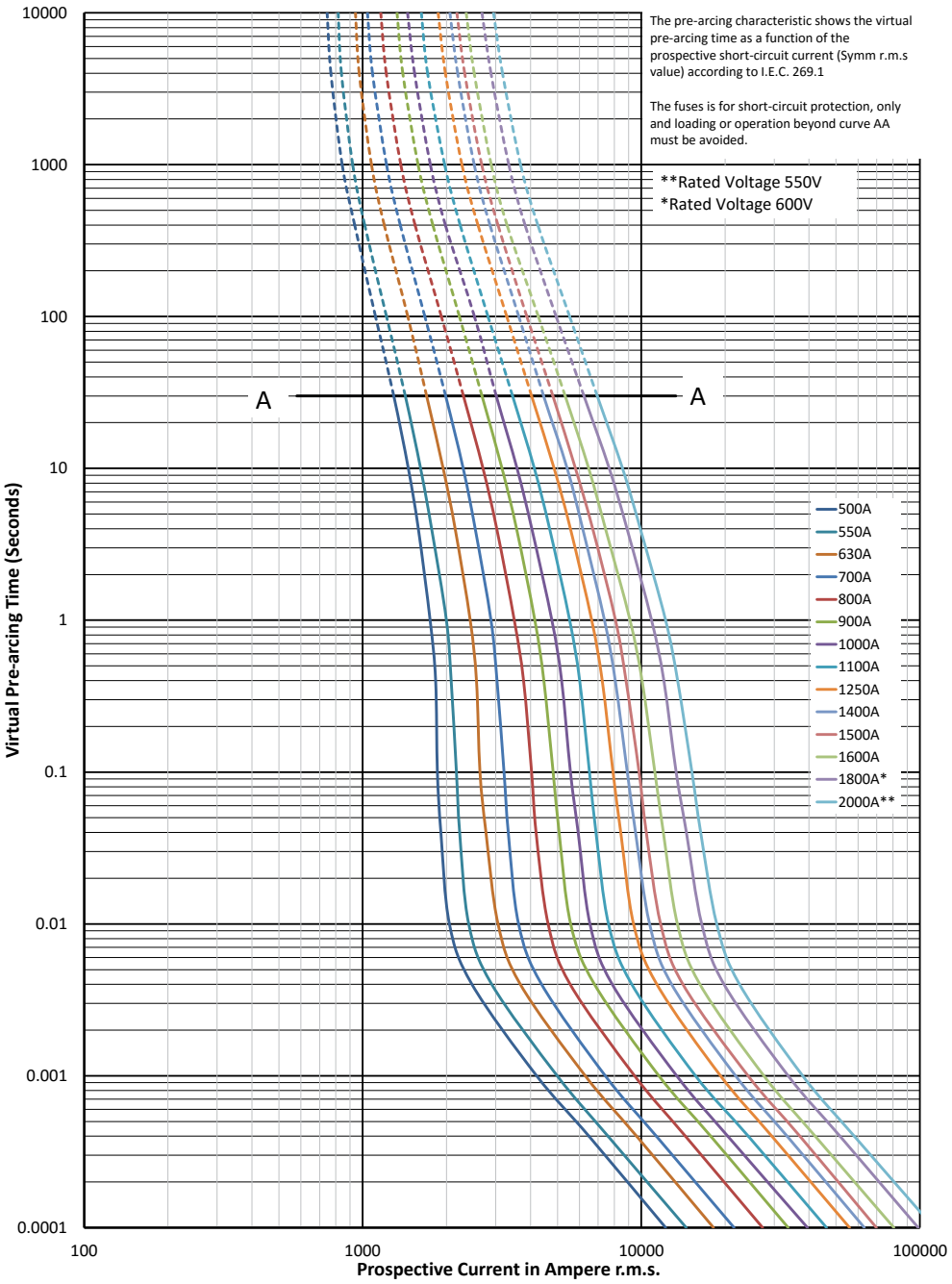


Data sheets: 170K6314 (Size 1*), 170K6316 (Size 1), 170K6318 (Size 2), 170K6320 (Size 3)

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690 V a.c. (IEC), 700 V a.c. (UL) - 40 A to 2000 A - Sizes 1* to 3 - DIN 43653 - 170M

Time-current curve -Size 3, 500 A to 2000 A



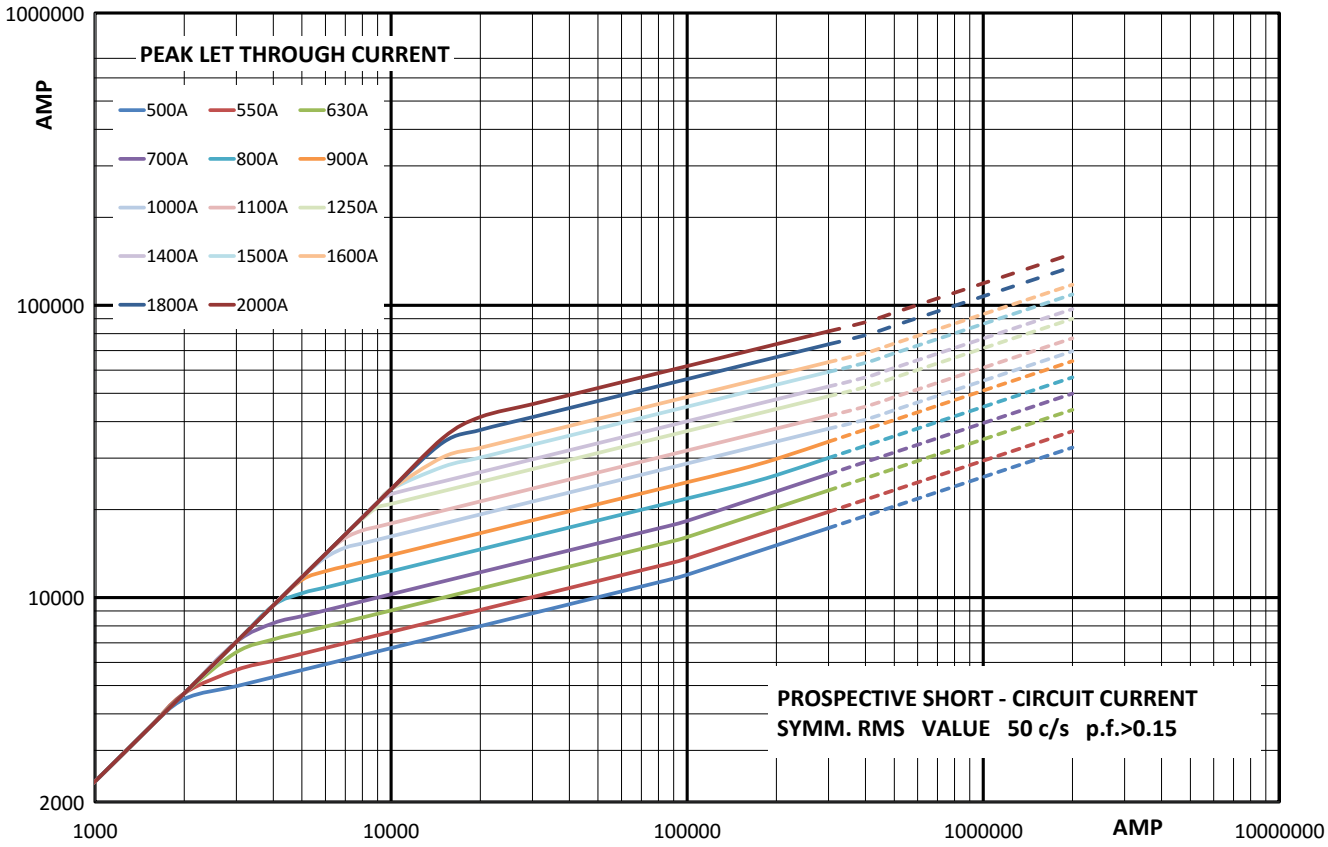
K_b = 1 N = 1.5

Data sheets: 170K6314 (Size 1*), 170K6316 (Size 1), 170K6318 (Size 2), 170K6320 (Size 3)

Downloaded from Arrow.com.

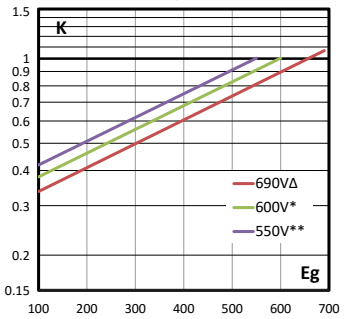
690 V a.c. (IEC), 700 V a.c. (UL) - 40 A to 2000 A - Sizes 1* to 3 - DIN 43653 - 170M

Cut-off curve - Size 3, 500 A to 2000 A



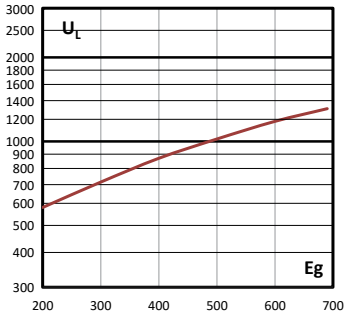
Total clearing I^2t

The total clearing I^2t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I^2t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



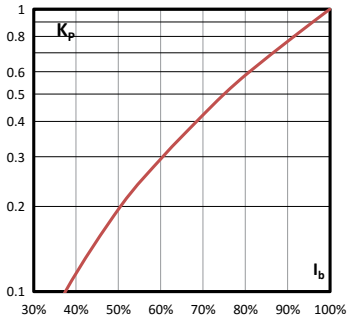
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.



Data sheets: 170K6314 (Size 1*), 170K6316 (Size 1), 170K6318 (Size 2), 170K6320 (Size 3)

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1000 V a.c. (IEC and UL) - 20 A to 315A - Size 00 - DIN 43653 - 170M

Description

Square body DIN 43653 bolted tags high speed fuse links, for the protection of DC common bus, DC drives, power converters/rectifiers and reduced rated voltage starters.



Technical data

- Rated voltage:
  - 1000 V a.c. (IEC and UL 20 A to 250 A)
  - 900 V a.c. (IEC, 315 A)
- Rated current: 20 A to 315 A
- Breaking capacity: 125 kA RMS Sym
- Operating class: aR

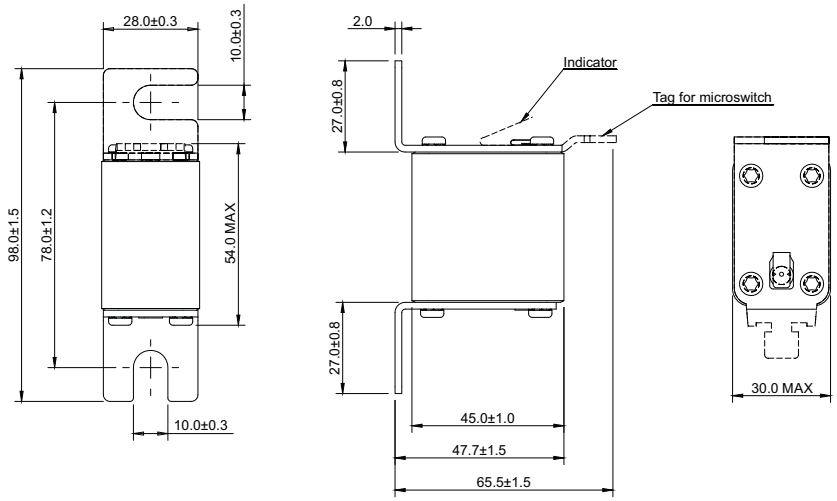
Standards / Agency information

CE, Designed and tested to IEC60269 Part 4, UL Recognised/CSA component acceptance status (20-250 A)

Catalogue numbers

			I^2t (A^2 Sec)			Catalogue numbers	
Fuse link body size	**Rated voltage**	**Rated current (Amps)**	**Pre-arcing**	**Clearing at rated voltage**	**Watts loss (W)**	**00/80 Visual indicator**	**00TN/80 Type T indicator for micro**
00	1000 V a.c. (IEC/UL)	20	20	140	5	170M4802	170M4822
		25	30	210	7	170M4803	170M4823
		32	55	390	9	170M4804	170M4824
		35	69	500	10	170M4805	170M4825
		40	100	690	11	170M4806	170M4826
		50	170	1200	13	170M4807	170M4827
		63	280	2000	18	170M4808	170M4828
		80	500	3500	22	170M4809	170M4829
		100	950	6850	25	170M4810	170M4830
		125	1500	11,500	33	170M4811	170M4831
		160	3000	22,000	37	170M4812	170M4832
		200	5600	40,500	40	170M4813	170M4833
		250	10,000	74,000	48	170M4814	170M4834
	900 V a.c. (IEC)	315	18,000	115,000	58	170M4815	170M4835

Dimensions (mm)

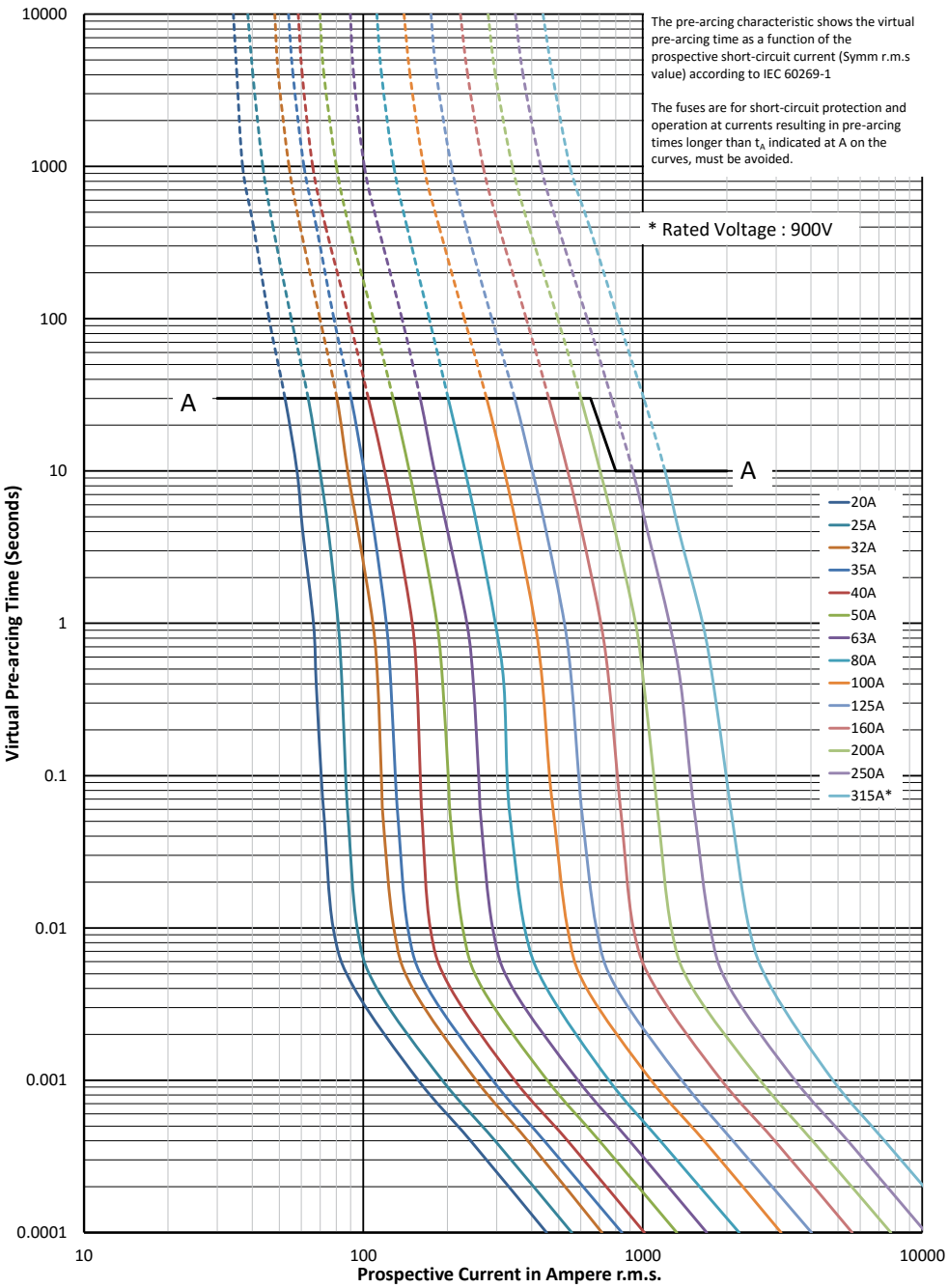


Data sheet: 170K8504

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1000 V a.c. (IEC and UL) - 20 A to 315A - Size 00 - DIN 43653 - 170M

Time-current curve - 20 A to 315 A



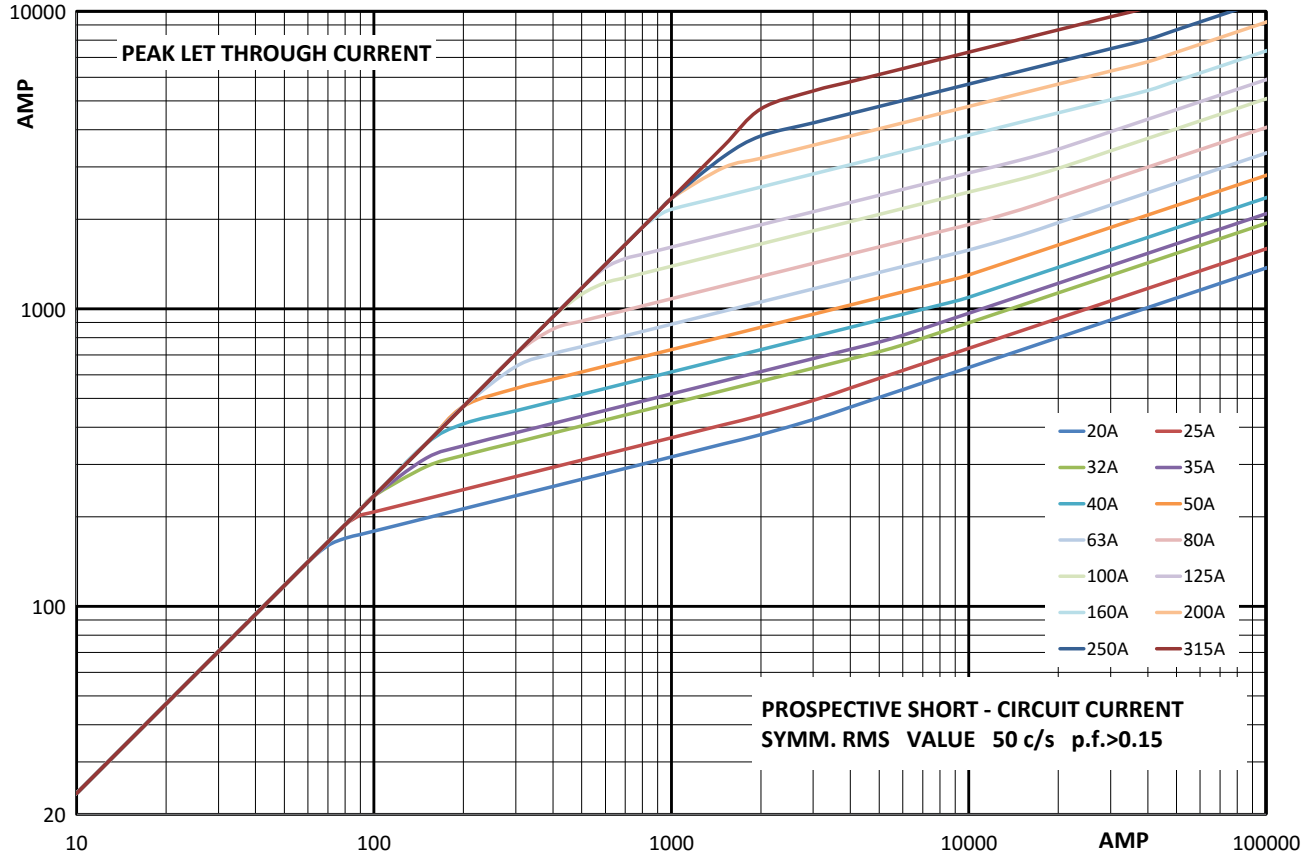
K_b = 1 N = 1.6

Data sheet: 170K8504

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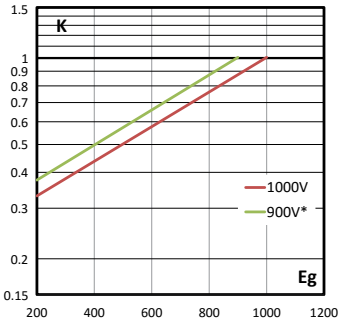
1000 V a.c. (IEC and UL) - 20 A to 315A - Size 00 - DIN 43653 - 170M

Cut-off curve - 20 A to 315 A



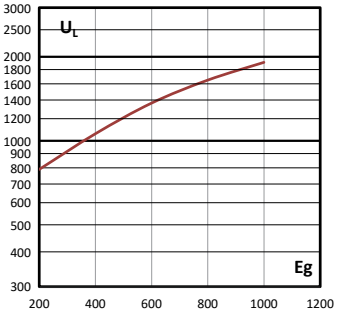
Total clearing I^2t

The total clearing I^2t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I^2t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



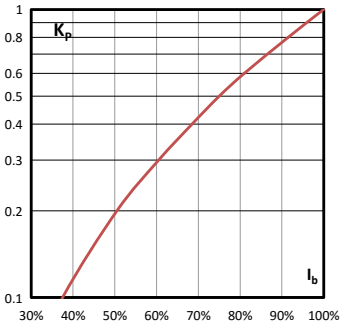
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.



Data sheet: 170K8504

Downloaded from Arrow.com.

1000 V a.c. (IEC and UL) - 50 A to 1400 A - Sizes 1* to 3 - DIN 43653 - 170M

Description

Square body DIN 43653 bolted tags high speed fuse links, for the protection of DC common bus, DC drives, power converters / rectifiers and reduced rated voltage starters.



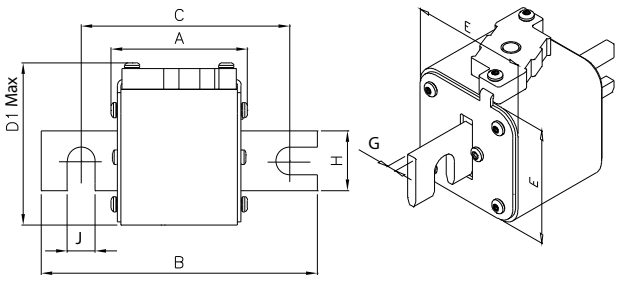
Technical data

- Rated voltage:
  - 1000 V a.c. (IEC, 50 A to 1250 A), 900 V a.c. (IEC, 1400 A)
  - 1000 V a.c. (UL size 2, size 3, 315 A to 1100 A only)
- Rated current: 50 A to 1400 A
- Breaking Capacity:
  - 125kA RMS Sym. AC
  - Size 1: 50 kA for 750 V d.c.
- Operating Class: aR

Standards/Agency Information

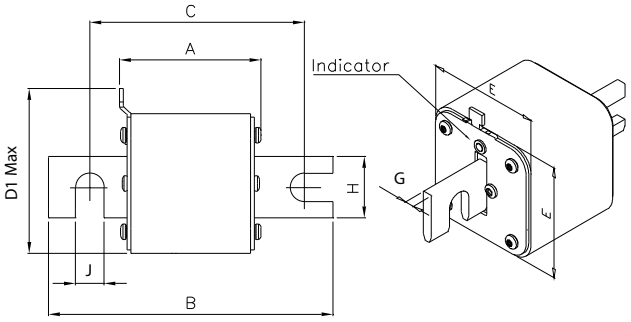
CE, Designed and tested to IEC60269 Part 4, UL Recognised (only sizes 2 and 3), CCC only size 3 (315 A to 1100 A)

Dimensions (mm) -KN/110



Size	A	B	C	D1 (max)	E	G	H	J
1*KN/110	80	138	108	61	43	6	22	11
1KN/110	80	138	108	69	51	6	25	11
2KN/110	80	138	108	77	59	6	25	11
3KN/110	81	139	108	92	74	6	30	11

Dimensions (mm) -TN/110



Size	A	B	C	D1 (max)	E	G	H	J
1*TN/110	80	138	108	61	43	6	22	11
1TN/110	80	138	108	69	51	6	25	11
2TN/110	80	138	108	75	59	6	25	11
3TN/110	81	139	108	90	74	6	30	11

Data sheets: 170K8564 (Size 1*), 170K8566 (Size 1), 170K8568 (Size 2), 170K8570 (Size 3)

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1000 V a.c. (IEC and UL) - 50 A to 1400 A - Sizes 1* to 3 - DIN 43653 - 170M

Catalogue numbers

Fuse link body size	Rated voltage	Rated current (Amps)	I²t (A² Sec) Pre-arcing	I²t (A² Sec) Clearing at rated voltage	Watts loss (W)	Catalogue numbers -KN/110 Type K indicator for micro	Catalogue numbers -TN/110 Type T indicator for micro
1*	1000 V a.c. (IEC)	50	135	815	20	170M3965	170M3981
		63	215	1300	25	170M3966	170M3982
		80	460	2750	30	170M3967	170M3983
		100	860	5100	35	170M3968	170M3984
		125	1450	8600	40	170M3969	170M3985
		160	2850	17,500	45	170M3970	170M3986
		200	4950	29,500	50	170M3971	170M3987
		250	9550	57,000	55	170M3972	170M3988
		315	21,500	130,000	65	170M3973	170M3989
		350	29,000	175,000	70	170M3974	170M3990
		400	42,000	250,000	75	170M3975	170M3991
1	1000 V a.c. (IEC) 1000 V a.c. / 750 V d.c. (UL)	160	2200	13,500	40	170M4965	170M4980
		200	4150	24,500	45	170M4966	170M4981
		250	7750	46,000	52	170M4967	170M4982
		315	16,500	98,500	60	170M4968	170M4983
		350	21,500	130,000	65	170M4969	170M4984
		400	31,000	185,000	70	170M4970	170M4985
		450	44,500	265,000	80	170M4971	170M4986
		500	63,000	375,000	85	170M4972	170M4987
		550	84,500	500,000	90	170M4973	170M4988
		630	125,000	755,000	98	170M4974	170M4989
2	1000 V a.c. (IEC and UL)	250	6750	40,000	65	170M5966	170M5981
		315	13,500	81,500	75	170M5967	170M5982
		350	16,500	99,000	80	170M5968	170M5983
		400	26,000	155,000	85	170M5969	170M5984
		450	35,500	210,000	90	170M5970	170M5985
		500	49,500	295,000	95	170M5971	170M5986
		550	66,000	390,000	100	170M5972	170M5987
		630	93,500	555,000	110	170M5973	170M5988
		700	130,000	770,000	115	170M5974	170M5989
		800	195,000	1,200,000	125	170M5975	170M5990
3	1000 V a.c. (IEC and UL)	315	9200	54,500	90	170M8614	170M8629[1]
		350	13,000	77,500	95	170M8615	170M8630[1]
		400	19,000	115,000	105	170M8616	170M8631[1]
		450	27,000	160,000	107	170M8617	170M8632[1]
		500	37,500	225,000	110	170M8618	170M8633[1]
		550	52,000	310,000	115	170M8619	170M8634[1]
		630	82,500	490,000	120	170M8620	170M8635[1]
		700	115,000	700,000	125	170M8621	170M8636[1]
		800	170,000	1,050,000	135	170M8622	170M8637[1]
		900	250,000	1,500,000	145	170M8623	170M8638[1]
		1000	340,000	2,050,000	150	170M8624	170M8639[1]
		1100	460,000	2,750,000	155	170M8625	170M8640[1]
	1000 V a.c. (IEC)	1250	575,000	3,400,000	175	170M8626	170M8641
	900 V a.c. (IEC)	1400	795,000	4,200,000	185	170M8627	170M8642

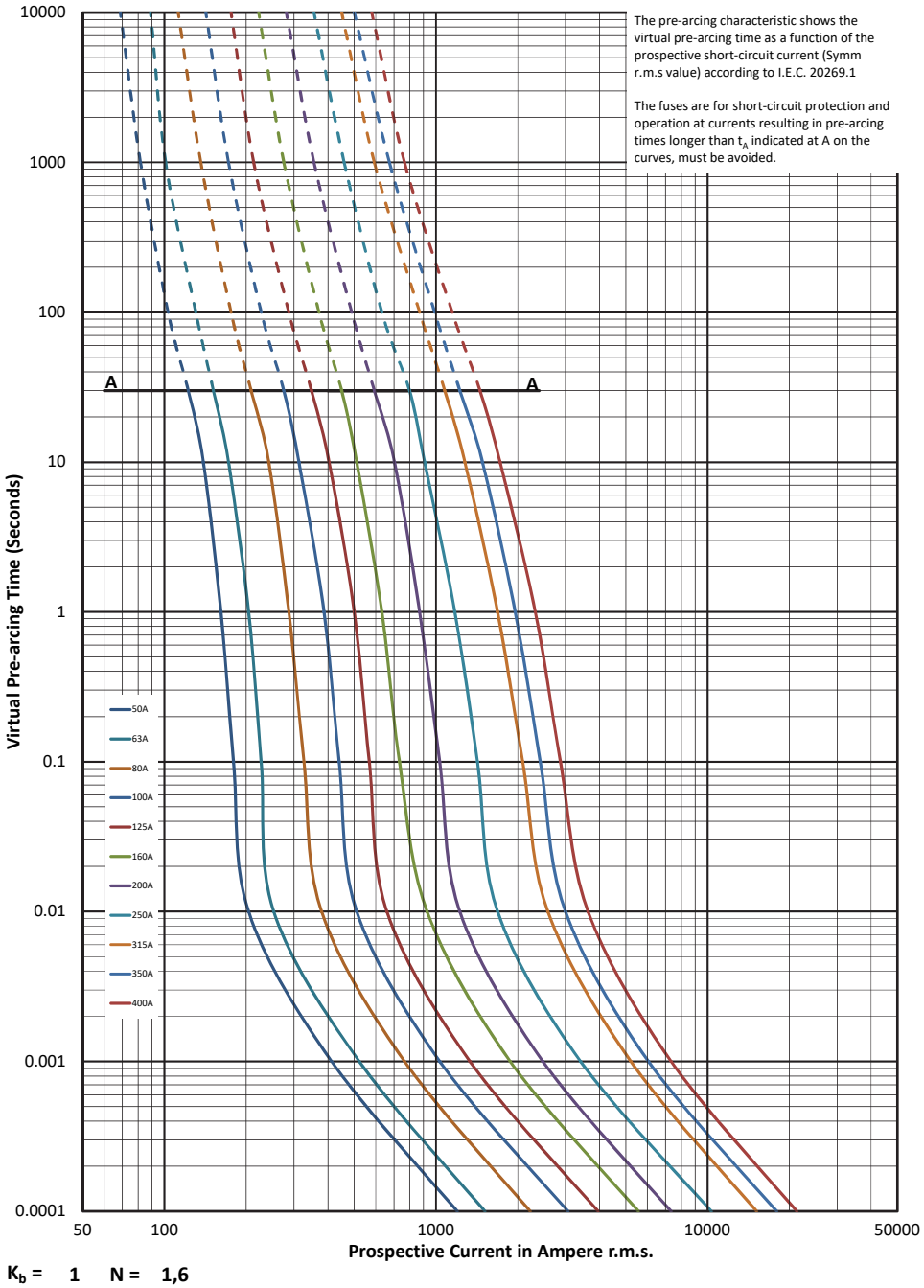
Data sheets: 170K8564 (Size 1*), 170K8566 (Size 1), 170K8568 (Size 2), 170K8570 (Size 3)

[1] Rated at 900 V d.c. 8XIn 90 kA

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1000 V a.c. (IEC and UL) - 50 A to 1400 A - Sizes 1* to 3 - DIN 43653 - 170M

Time-current curve - Size 1* - 50 A to 400 A



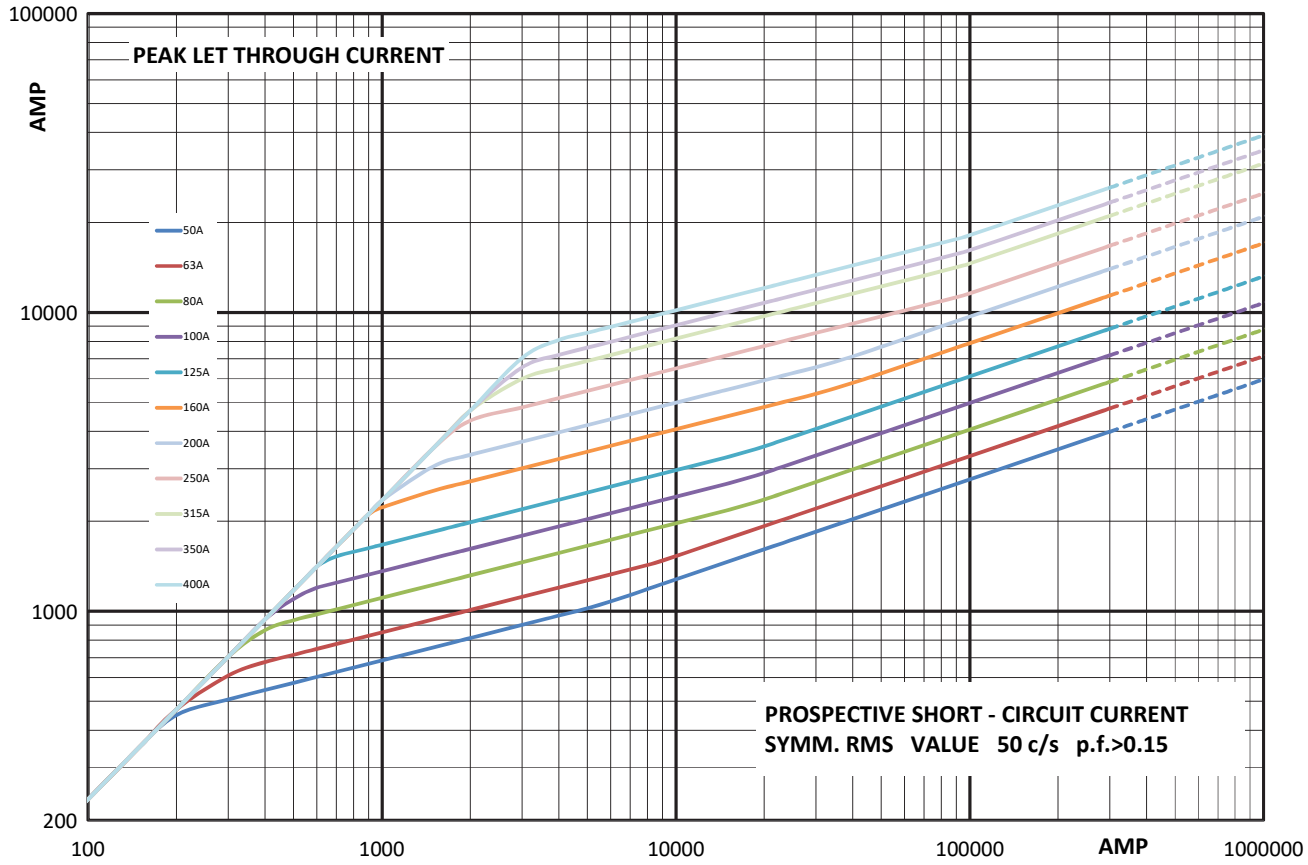
K_b = 1 N = 1,6

Data sheets: 170K8564 (Size 1*), 170K8566 (Size 1), 170K8568 (Size 2), 170K8570 (Size 3)

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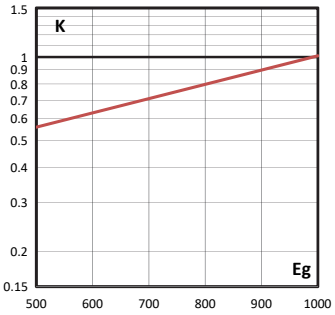
1000 V a.c. (IEC and UL) - 50 A to 1400 A - Sizes 1* to 3 - DIN 43653 - 170M

Cut-off curve - Size 1*, 50 A to 400 A



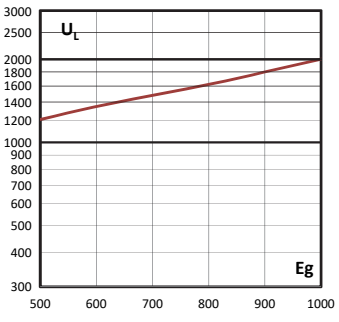
Total clearing I^2t

The total clearing I^2t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I^2t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



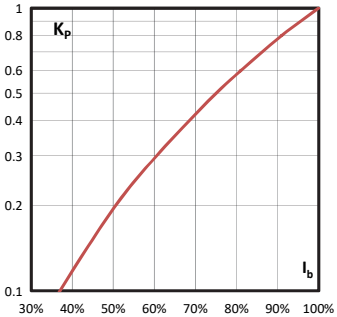
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.

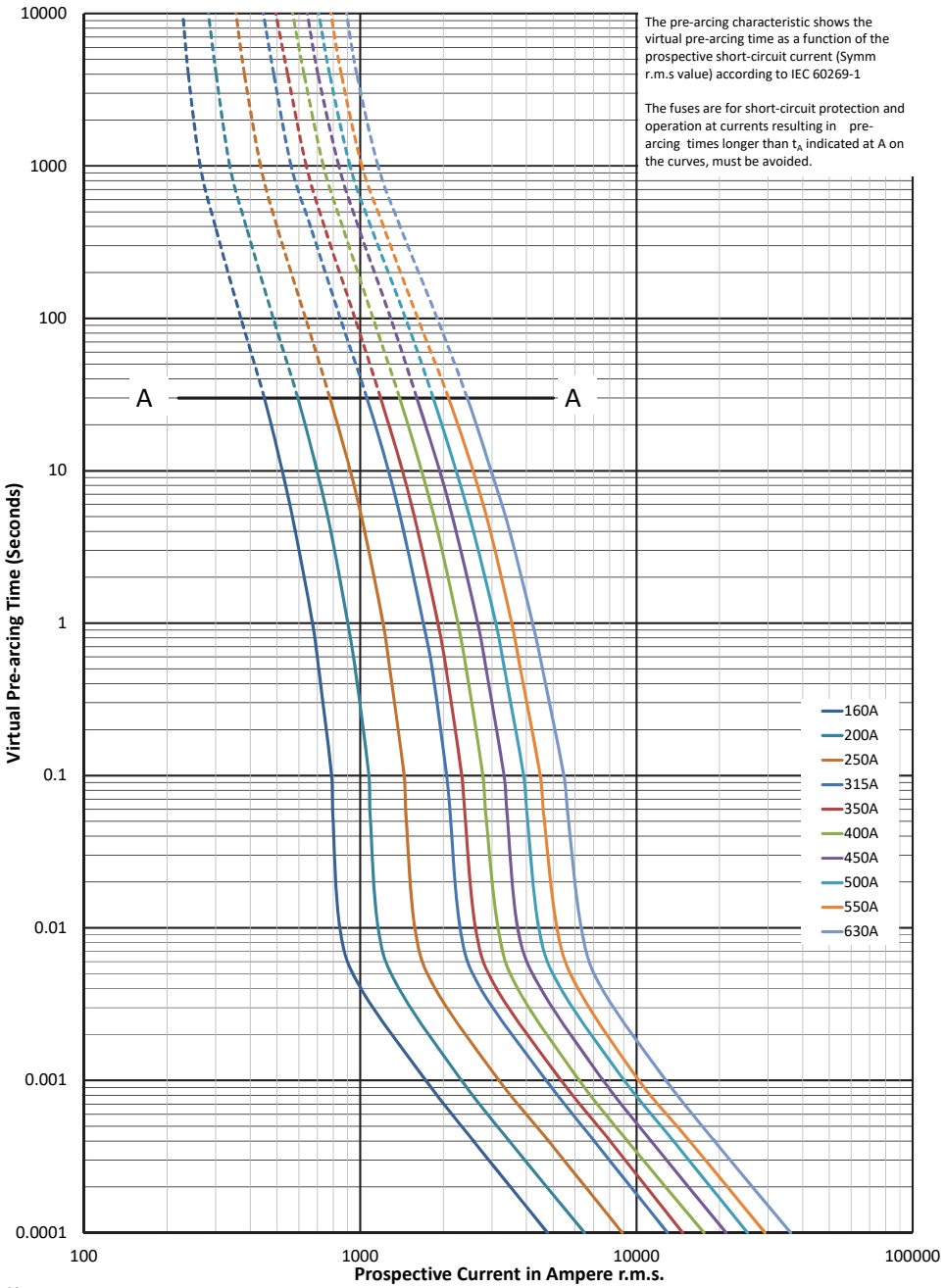


Data sheets: 170K8564 (Size 1*), 170K8566 (Size 1), 170K8568 (Size 2), 170K8570 (Size 3)

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1000 V a.c. (IEC and UL) - 50 A to 1400 A - Sizes 1* to 3 - DIN 43653 - 170M

Time-current curve - Size 1, 160 A to 630 A



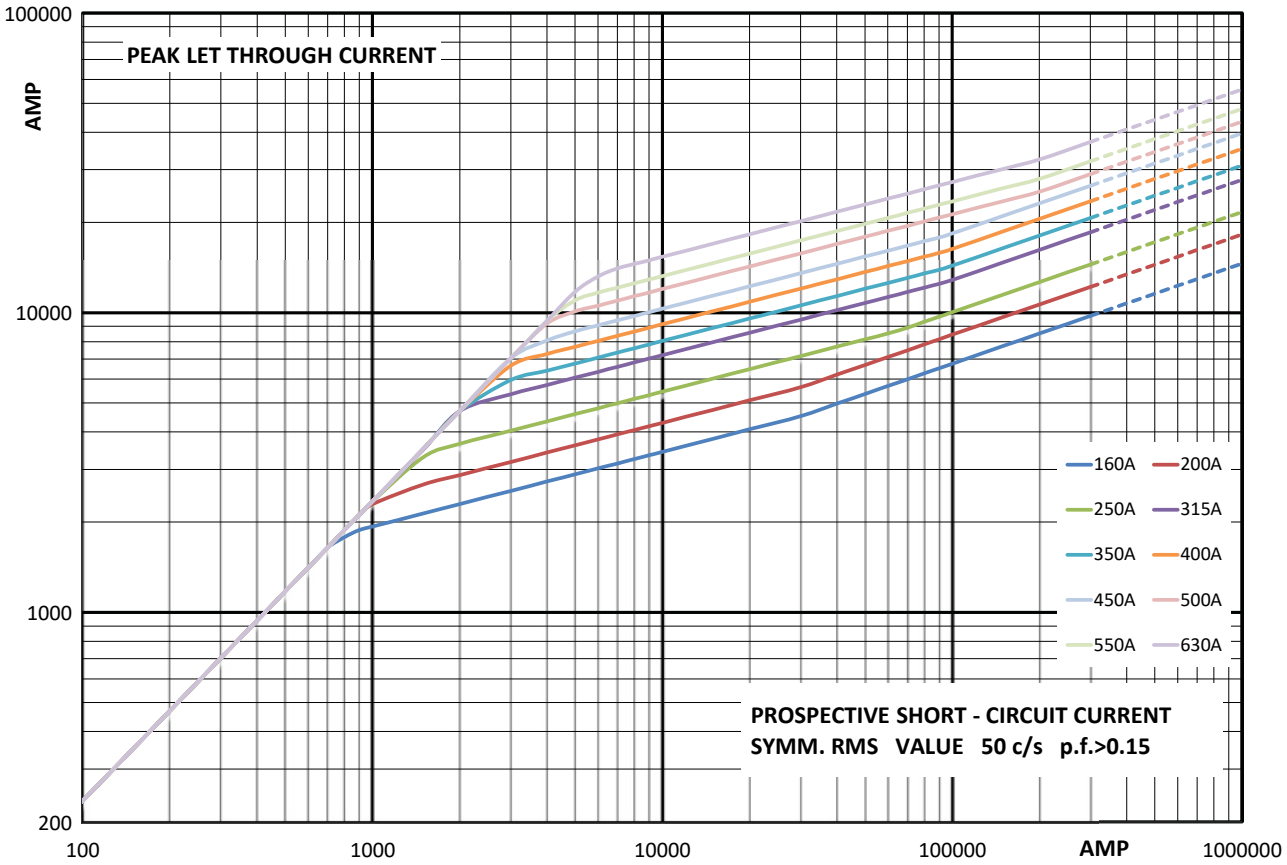
K_b = 1 N = 1.6

Data sheets: 170K8564 (Size 1*), 170K8566 (Size 1), 170K8568 (Size 2), 170K8570 (Size 3)

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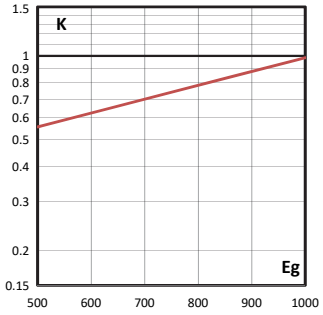
1000 V a.c. (IEC and UL) - 50 A to 1400 A - Sizes 1* to 3 - DIN 43653 - 170M

Cut-off curve - Size 1, 160 A to 630 A



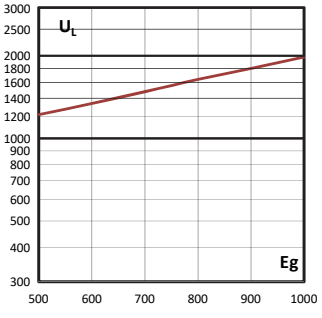
Total clearing I²t

The total clearing I²t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I²t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



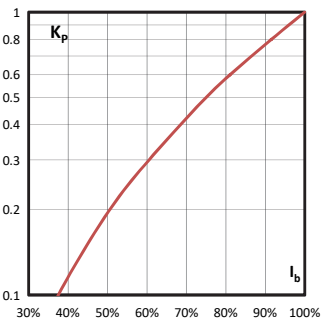
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.

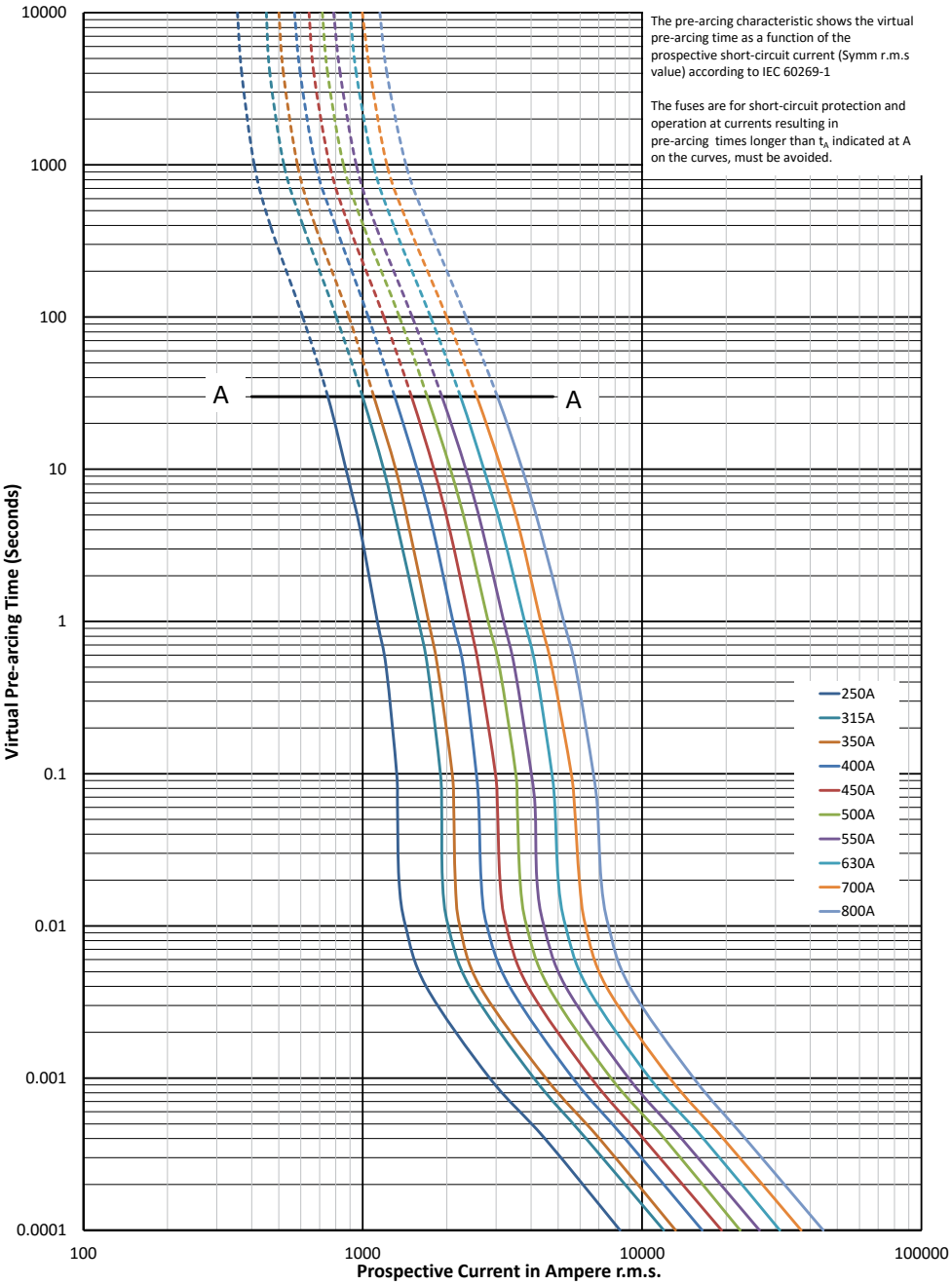


Data sheets: 170K8564 (Size 1*), 170K8566 (Size 1), 170K8568 (Size 2), 170K8570 (Size 3)

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1000 V a.c. (IEC and UL) - 50 A to 1400 A - Sizes 1* to 3 - DIN 43653 - 170M

Time-current curve - Size 2, 250 A to 800 A



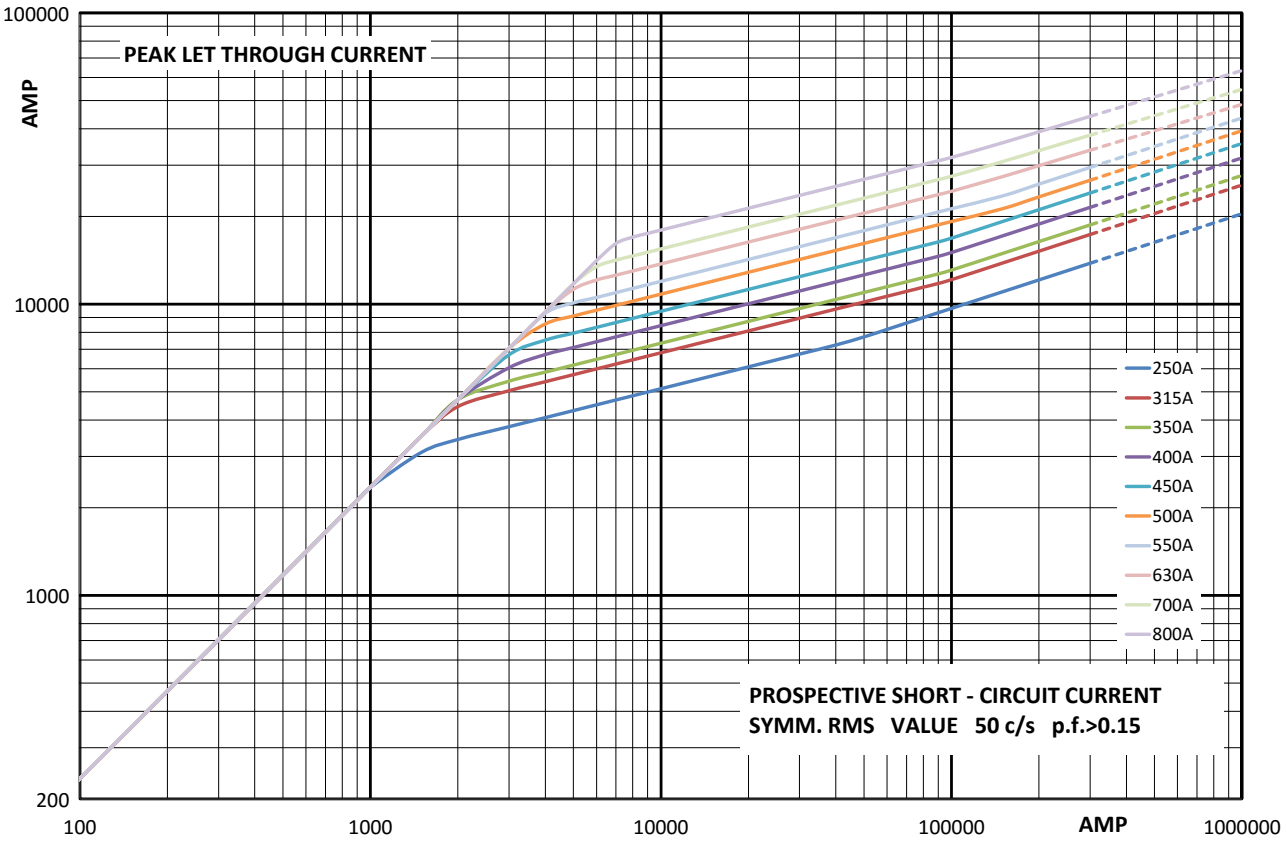
K_b = 1 N = 1.6

Data sheets: 170K8564 (Size 1*), 170K8566 (Size 1), 170K8568 (Size 2), 170K8570 (Size 3)

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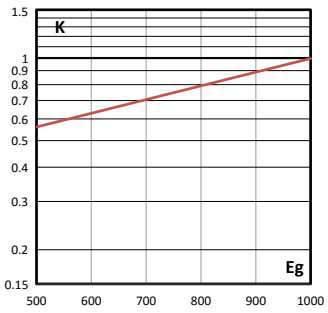
1000 V a.c. (IEC and UL) - 50 A to 1400 A - Sizes 1* to 3 - DIN 43653 - 170M

Cut-off curve - Size 2, 250 A to 800 A



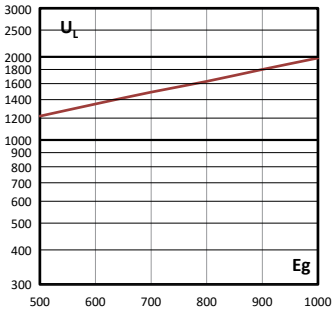
Total clearing I^2t

The total clearing I^2t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I^2t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



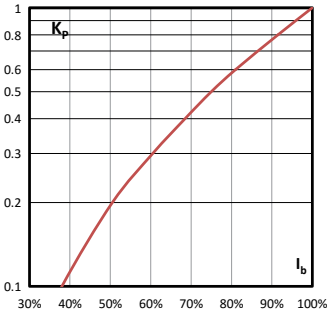
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.

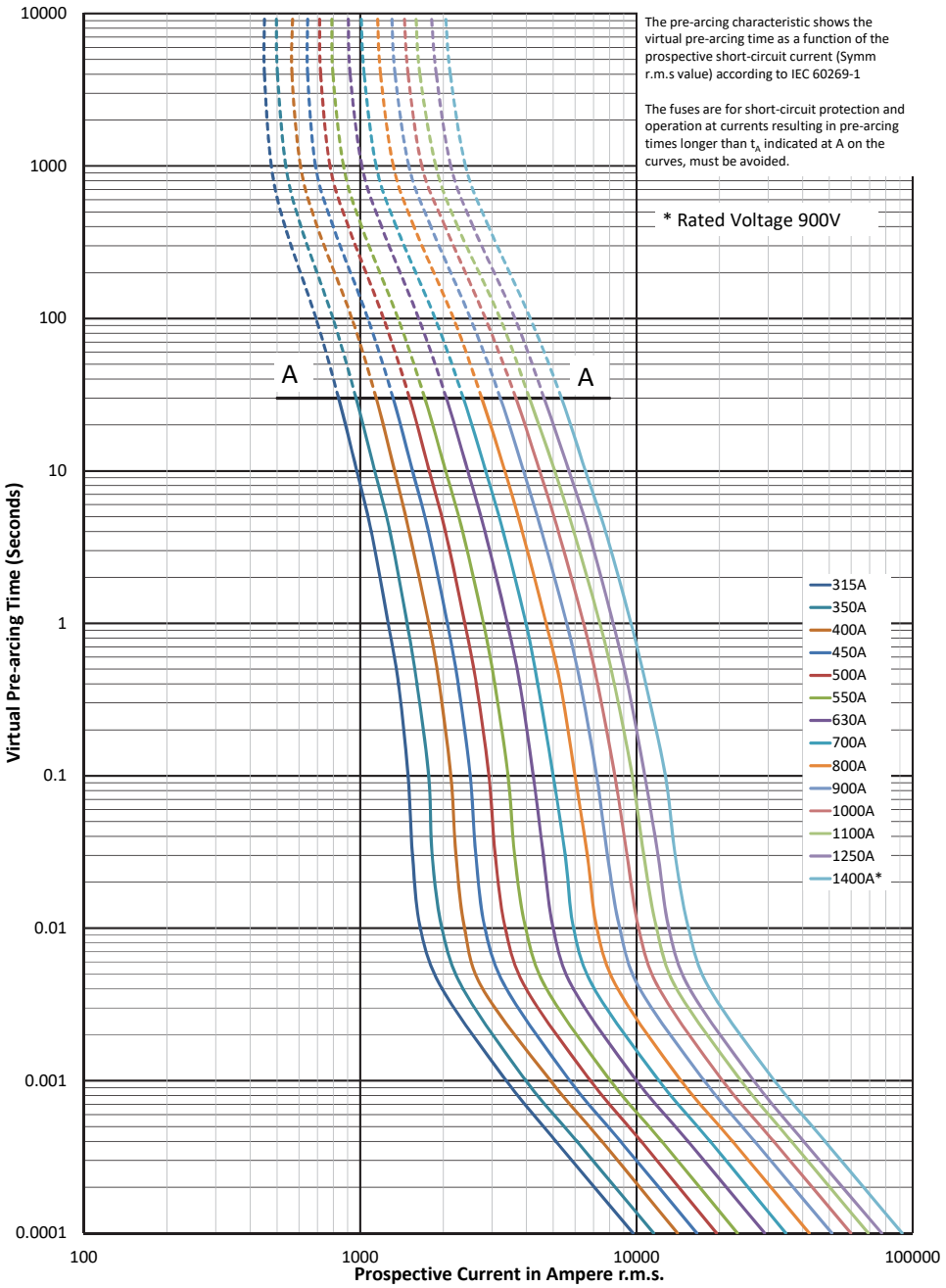


Data sheets: 170K8564 (Size 1*), 170K8566 (Size 1), 170K8568 (Size 2), 170K8570 (Size 3)

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1000 V a.c. (IEC and UL) - 50 A to 1400 A - Sizes 1* to 3 - DIN 43653 - 170M

Time-current curve - Size 3, 315 A to 1400 A



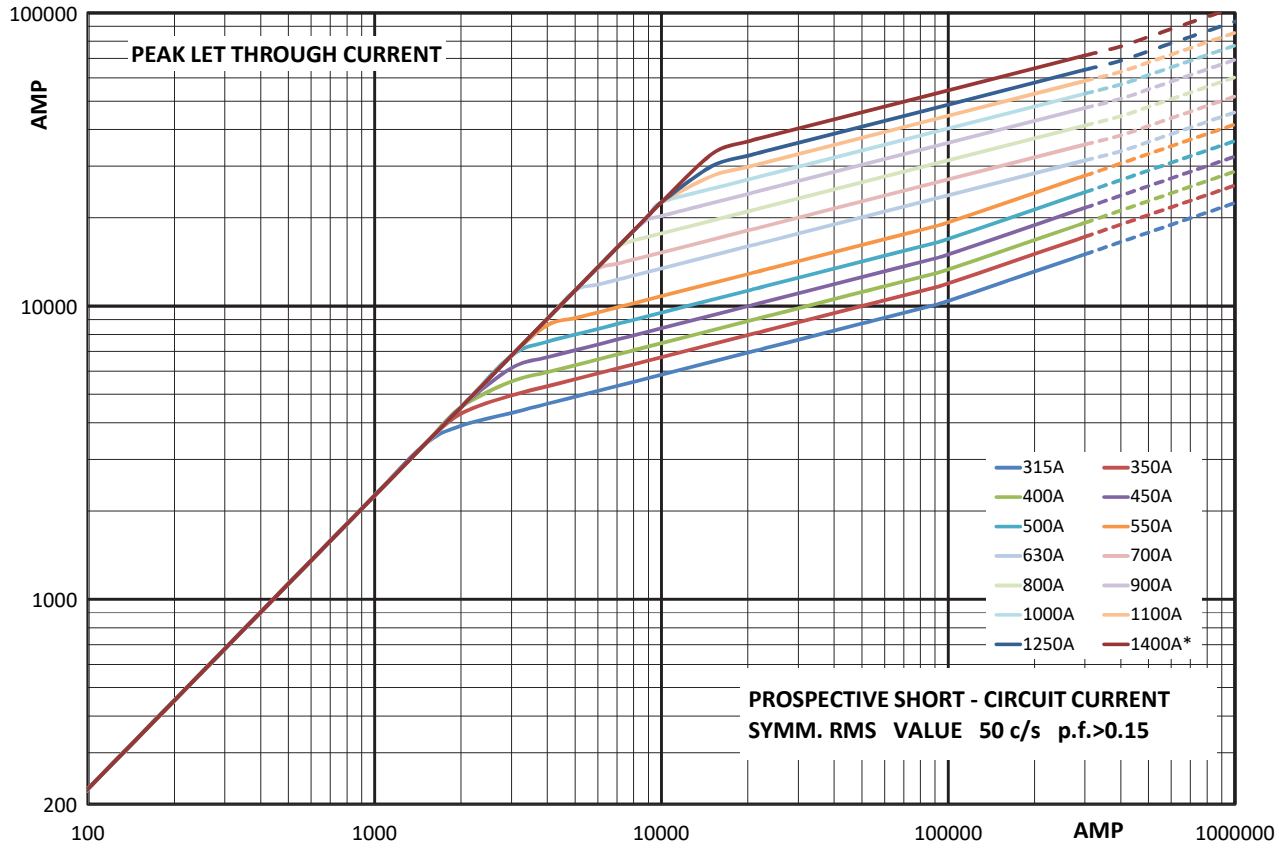
K_b = 1 N = 1.6

Data sheets: 170K8564 (Size 1*), 170K8566 (Size 1), 170K8568 (Size 2), 170K8570 (Size 3)

Downloaded from Arrow.com.

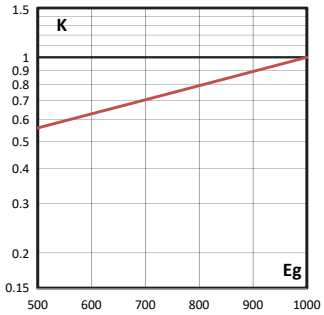
1000 V a.c. (IEC and UL) - 50 A to 1400 A - Sizes 1* to 3 - DIN 43653 - 170M

Cut-off curve - Size 3, 315 A to 1400 A



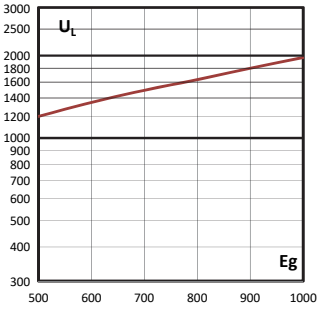
Total clearing I^2t

The total clearing I^2t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I^2t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



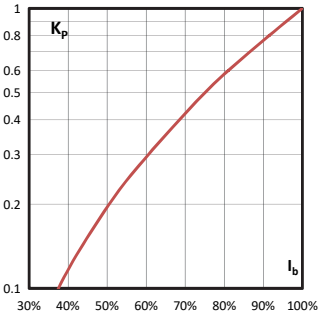
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.



Data sheets: 170K8564 (Size 1*), 170K8566 (Size 1), 170K8568 (Size 2), 170K8570 (Size 3)

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Square body fuse links DIN 43653

1250 V a.c. (IEC), 1300 V a.c. (UL) - 50 A to 1400 A - Sizes 1* to 3 - DIN 43653 - 170M

Description

Square body DIN 43653 bolted tags high speed fuse links, for the protection of DC common bus, DC drives, power converters/rectifiers and reduced rated voltage starters.

Technical data

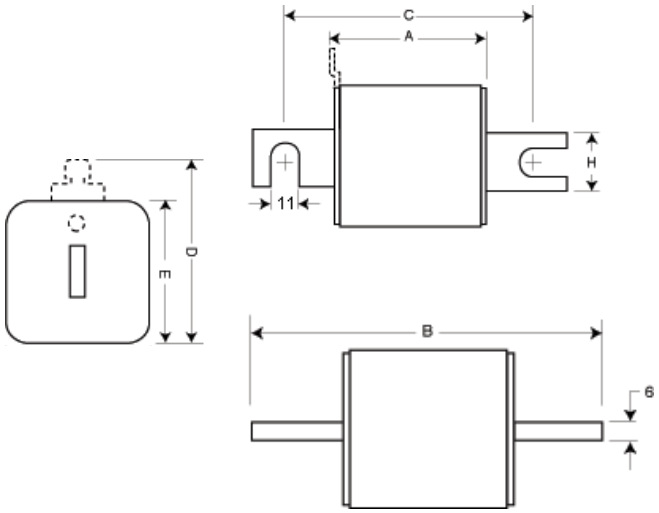
- Rated voltage: see table opposite page
- Rated current: 50 A to 1400 A
- Breaking capacity: 100 kA RMS Sym.
- Operating class: aR

Standards / Agency information

CE, Designed and tested to IEC60269 Part 4. Consult Eaton for UL Recognition/CSA Component Acceptance status.



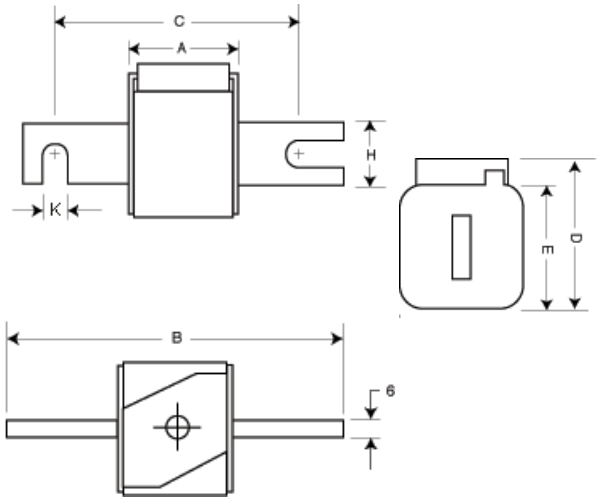
Dimensions (mm) -110 and TN/110



Size	A	B	C	D[1]	E	H	K
1*	80	138	108	58	45	20	11
1	80	138	108	66	53	25	11
2	80	138	108	75	61	25	11
3	81	139	108	90	76	30	11

[1] Clip on Microswitch valid for fuse links -TN//110.
1mm = 0.0394"

Dimensions (mm) - KN/110



Size	A	B	C	D	E	H	K
1*	80	138	108	60	45	20	11
1	80	138	108	69	53	25	11
2	80	138	108	77	61	25	11
3	81	139	108	92	76	30	11

1mm = 0.0394"

Data sheets: 170K6630 (Size 1*), 170K6632 (Size 1), 170K6634 (Size 2), 170K6636 (Size 3)

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1250 V a.c. (IEC), 1300 V a.c. (UL) - 50 A to 1400 A - Sizes 1* to 3 - DIN 43653 - 170M

Catalogue numbers

			I^2t (A^2 Sec)				Catalogue numbers		
Fuse link body size	Rated voltage	Rated current (Amps)	Pre-arcing	Clearing at 1000 V a.c.	Clearing at 1250 V a.c.	Watts loss (W)	-/110 Visual indicator	-TN/110 Type T indicator for micro	-KN/110 Type K indicator for micro
1*	1250 V a.c. (IEC) 1300 V a.c. (UL)	50	135	815	1100	15	170M3138	170M3188	170M3238
		63	215	1300	1750	20	170M3139	170M3189	170M3239
		80	420	2500	3350	25	170M3140	170M3190	170M3240
		100	750	4450	5950	30	170M3141	170M3191	170M3241
		125	1450	9000	11,500	35	170M3142	170M3192	170M3242
		160	2600	16,000	21,000	40	170M3143	170M3193	170M3243
		200	5150	31,000	41,000	45	170M3144	170M3194	170M3244
		250	9200	54,500	73,000	55	170M3145	170M3195	170M3245
		315	18,500	115,000	150,000	60	170M3146	170M3196	170M3246
		350	27,000	165,000	220,000	65	170M3147	170M3197	170M3247
		400	53,000	265,000	335,000	70	170M3148	170M3198	170M3248
1	1250 V a.c. (IEC) 1300 V a.c. (UL)	160	1900	11,500	15,500	45	170M4138[2]	170M4188[2]	170M4238[2]
		200	3800	22,500	30,000	50	170M4139[2]	170M4189[2]	170M4239[2]
		250	7750	46,000	61,500	60	170M4140[2]	170M4190[2]	170M4240[2]
		315	15,000	90,000	120,000	65	170M4141[2]	170M4191[2]	170M4241[2]
		350	20,000	125,000	165,000	70	170M4142[2]	170M4192[2]	170M4242[2]
		400	29,500	175,000	235,000	75	170M4143[2]	170M4193[2]	170M4243[2]
		450	42,000	250,000	335,000	80	170M4144[2]	170M4194[2]	170M4244[2]
	800 V d.c. (UL) 85 kA IR	500	69,500	340,000	435,000	85	170M4145	170M4195	170M4245
		550	95,000	465,000	590,000	95	170M4146	170M4196	170M4246
	1100 V a.c. (IEC)	630	130,000	660,000	N/A	100	170M4147[1]	170M4197[1]	170M4247[1]
2	1250 V a.c. (IEC) 1300 V a.c. (UL)	250	6500	38,500	51,500	65	170M5138	170M5188	170M5238
		280	9350	55,500	74,500	70	170M5139	170M5189	170M5239
		315	13,000	77,500	105,000	75	170M5140	170M5190	170M5240
		350	16,500	97,500	135,000	80	170M5141	170M5191	170M5241
		400	23,000	140,000	180,000	85	170M5142	170M5192	170M5242
		450	34,000	205,000	270,000	90	170M5143	170M5193	170M5243
		500	48,000	285,000	380,000	95	170M5144	170M5194	170M5244
		550	62,000	370,000	495,000	100	170M5145	170M5195	170M5245
		630	115,000	575,000	730,000	120	170M5146[2]	170M5196[2]	170M5246
		700	160,000	795,000	1,050,000	125	170M5147[2]	170M5197[2]	170M5247
		800	245,000	1,200,000	1,550,000	130	170M5148[2]	170M5198[2]	170M5248
	1100 V a.c. (IEC & UL)	900	360,000	1,750,000	N/A	135	170M5149[4]	170M5199[4]	170M5249[4]
		1000	480,000	2,350,000	N/A	145	170M5150[4]	170M5200[4]	170M5250[4]

[1] These fuse links are not UL recognised [2] 900 V d.c. 8XIn 90 kA [3] Rated at 1000 V d.c. 10XIn 91 kA [4] 900 V d.c. 9.5XIn 80 kA
[5] 900 V d.c. 12XIn 90 kA

Data sheets: 170K6630 (Size 1*), 170K6632 (Size 1), 170K6634 (Size 2), 170K6636 (Size 3)

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1250 V a.c. (IEC), 1300 V a.c. (UL) - 50 A to 1400 A - Sizes 1* to 3 - DIN 43653 - 170M

Catalogue numbers

			I^2t (A^2 Sec)				Catalogue numbers		
Fuse link body size	Rated voltage	Rated current (Amps)	Pre-arcing	Clearing at 1000 V a.c.	Clearing at 1250 V a.c.	Watts loss (W)	-/110 Visual indicator	-TN/110 Type T indicator for micro	-KN/110 Type K indicator for micro
3	1300 V a.c. (UL)	315	9500	58,000	77,500	85	170M6138[2]	170M6188[2]	170M6238[2]
		350	13,500	81,500	110,000	90	170M6139[2]	170M6189[2]	170M6239[2]
		400	19,500	120,000	160,000	95	170M6140[2]	170M6190[2]	170M6240[2]
		450	31,000	185,000	245,000	100	170M6141[2]	170M6191[2]	170M6241[2]
		500	39,000	235,000	310,000	105	170M6142[2]	170M6192[2]	170M6242[2]
		550	55,000	325,000	435,000	110	170M6143[2]	170M6193[2]	170M6243[2]
		630	83,500	495,000	665,000	115	170M6144[2]	170M6194[2]	170M6244[2]
		700	115,000	705,000	940,000	120	170M6145[2]	170M6195[2]	170M6245[2]
		800	205,000	995,000	1,300,000	125	170M6146[3]	170M6196[3]	170M6246[1]
		900	305,000	1,500,000	1,900,000	130	170M6147[3]	170M6197[3]	170M6247[1]
		1000	450,000	2,150,000	2,750,000	135	170M6148[3]	170M6198[3]	170M6248[1]
		1100	575,000	2,800,000	3,600,000	160	170M6149[3]	170M6199[3]	170M6249[1]
	1100 V a.c. (IEC)	1250	810,000	3,950,000	N/A	170	170M6150[5]	170M6200[1]	170M6250[1]
		1400	1,250,000	6,000,000	N/A	175	170M6151[5]	170M6201[1]	170M6251[1]

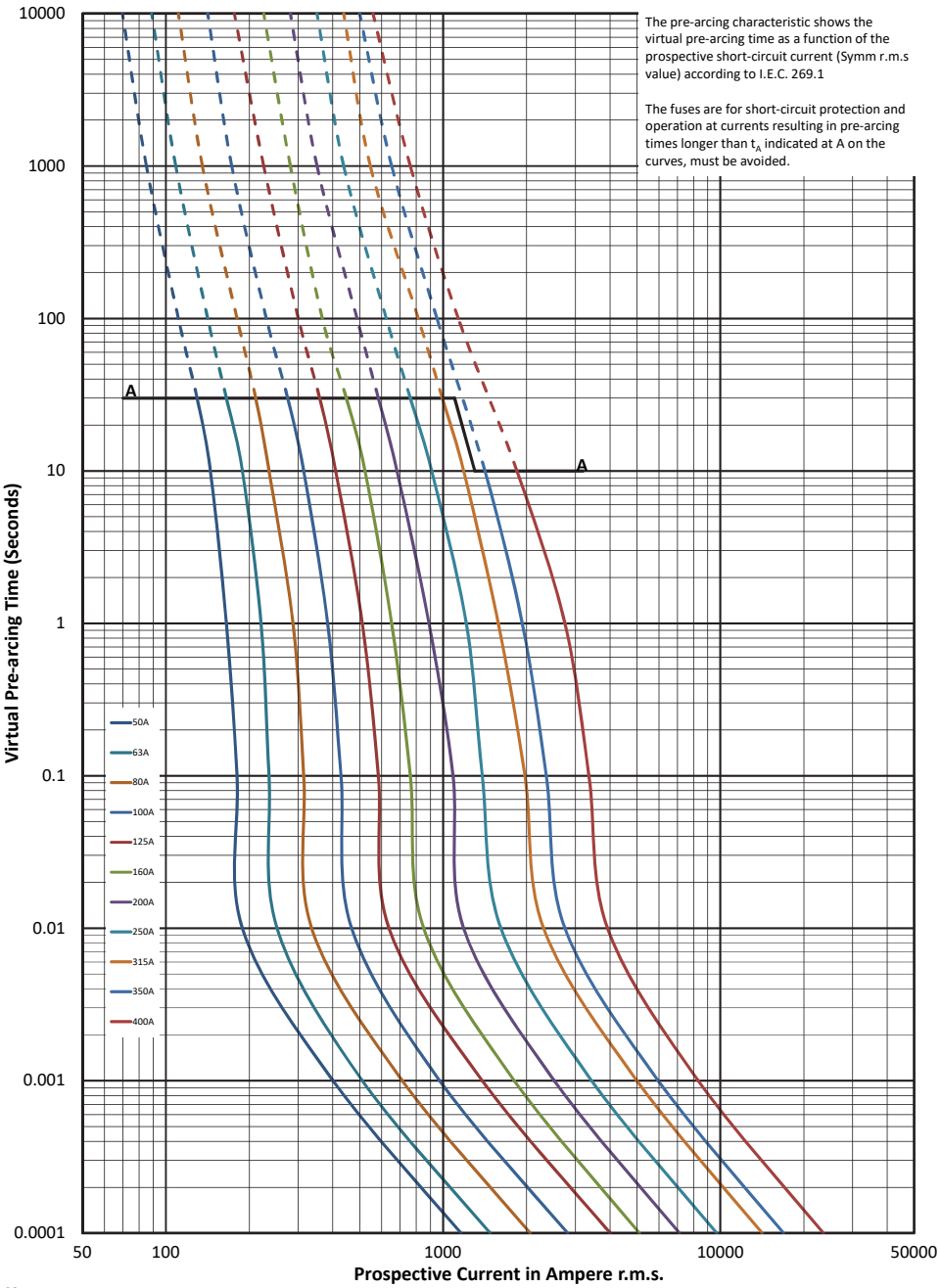
[1] These fuse links are not UL recognised [2] 900 V d.c. 8XIn 90 kA [3] Rated at 1000 V d.c. 10XIn 91 kA [4] 900 V d.c. 9.5XIn 80 kA
[5] 900 V d.c. 12XIn 90 kA

Data sheets: 170K6630 (Size 1*), 170K6632 (Size 1), 170K6634 (Size 2), 170K6636 (Size 3)

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1250 V a.c. (IEC), 1300 V a.c. (UL) - 50 A to 1400 A - Sizes 1* to 3 - DIN 43653 - 170M

Time-current curve - Size 1*, 50 A to 400 A



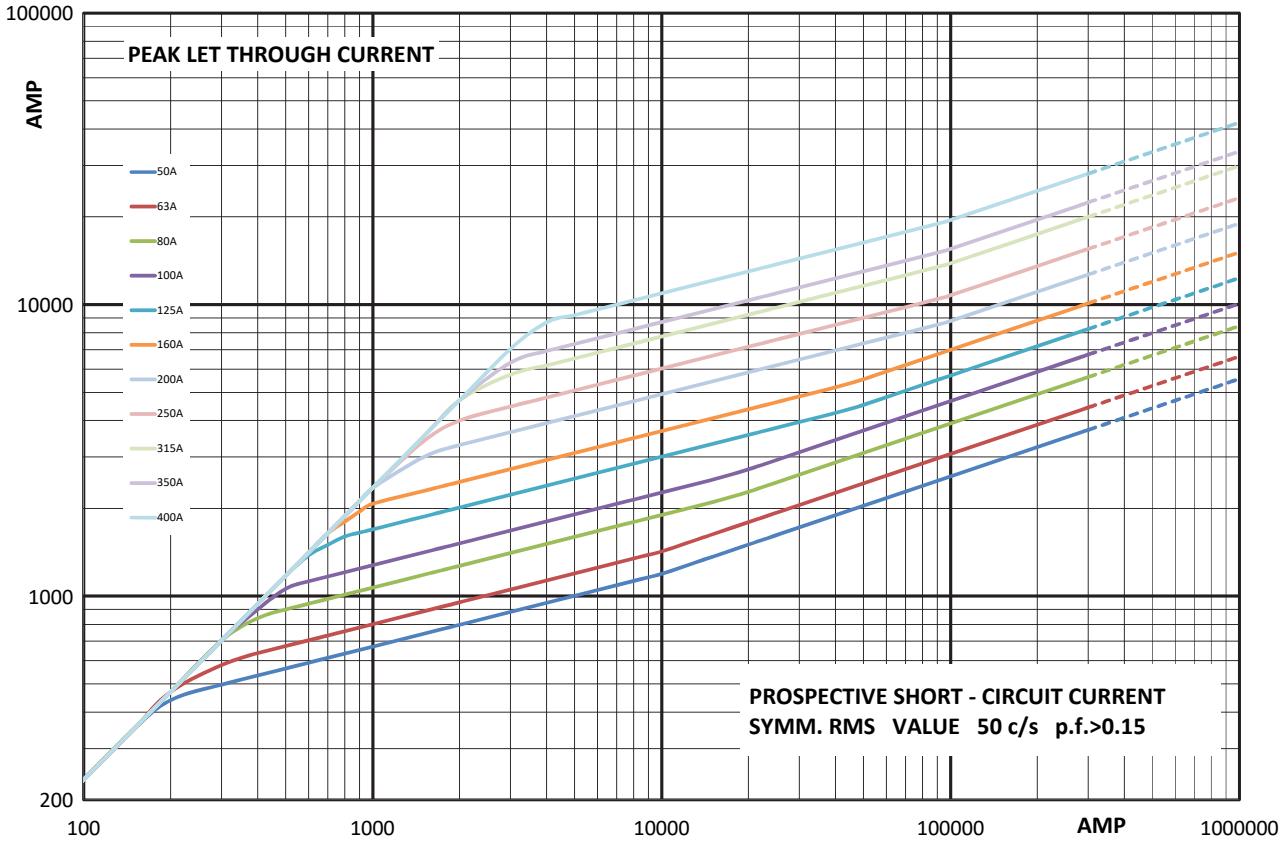
K_b = 1 N = 1,6

Data sheets: 170K6630 (Size 1*), 170K6632 (Size 1), 170K6634 (Size 2), 170K6636 (Size 3)

Downloaded from Arrow.com.

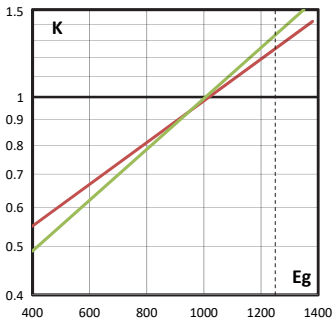
1250 V a.c. (IEC), 1300 V a.c. (UL) - 50 A to 1400 A - Sizes 1* to 3 - DIN 43653 - 170M

Cut-off curve - Size 1*, 50 A to 400 A



Total clearing I²t

The total clearing I²t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I²t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).

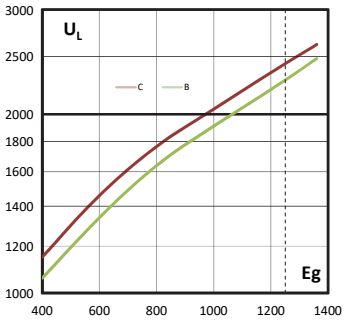


Green curve: fuses ≤ 350 A

Red curve: fuses ≥ 400 A

Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.

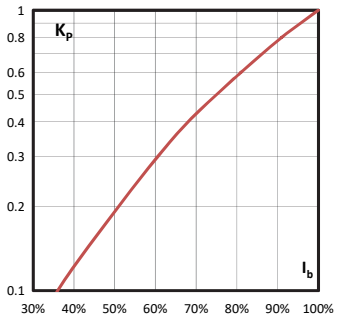


B: fuses ≤ 350 A

C: fuses ≥ 400 A

Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p, is given as a function of the RMS load current, I_b, in percent of the rated current.

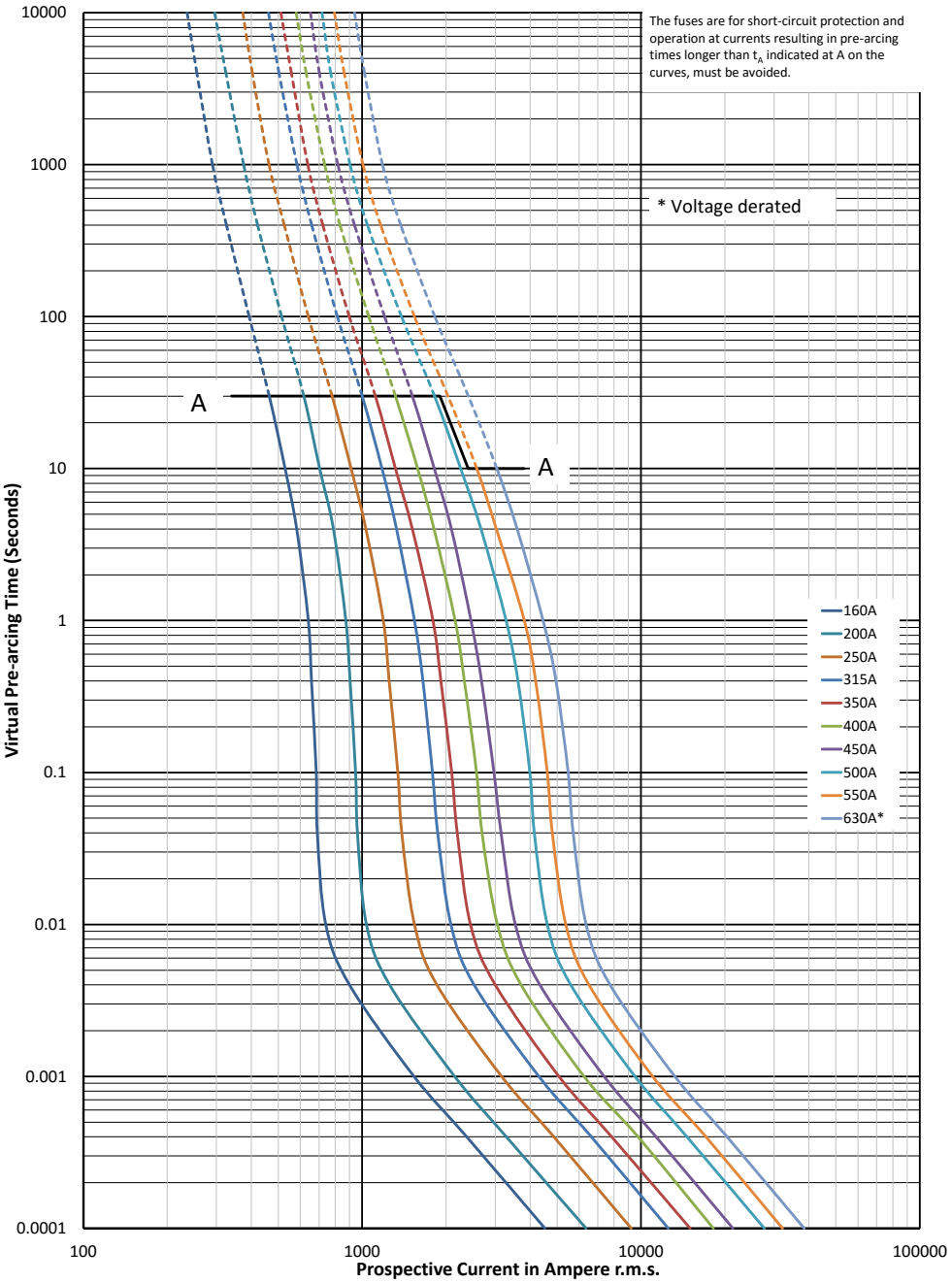


Data sheets: 170K6630 (Size 1*), 170K6632 (Size 1), 170K6634 (Size 2), 170K6636 (Size 3)

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1250 V a.c. (IEC), 1300 V a.c. (UL) - 50 A to 1400 A - Sizes 1* to 3 - DIN 43653 - 170M

Time-current curve - Size 1, 160 A to 630 A



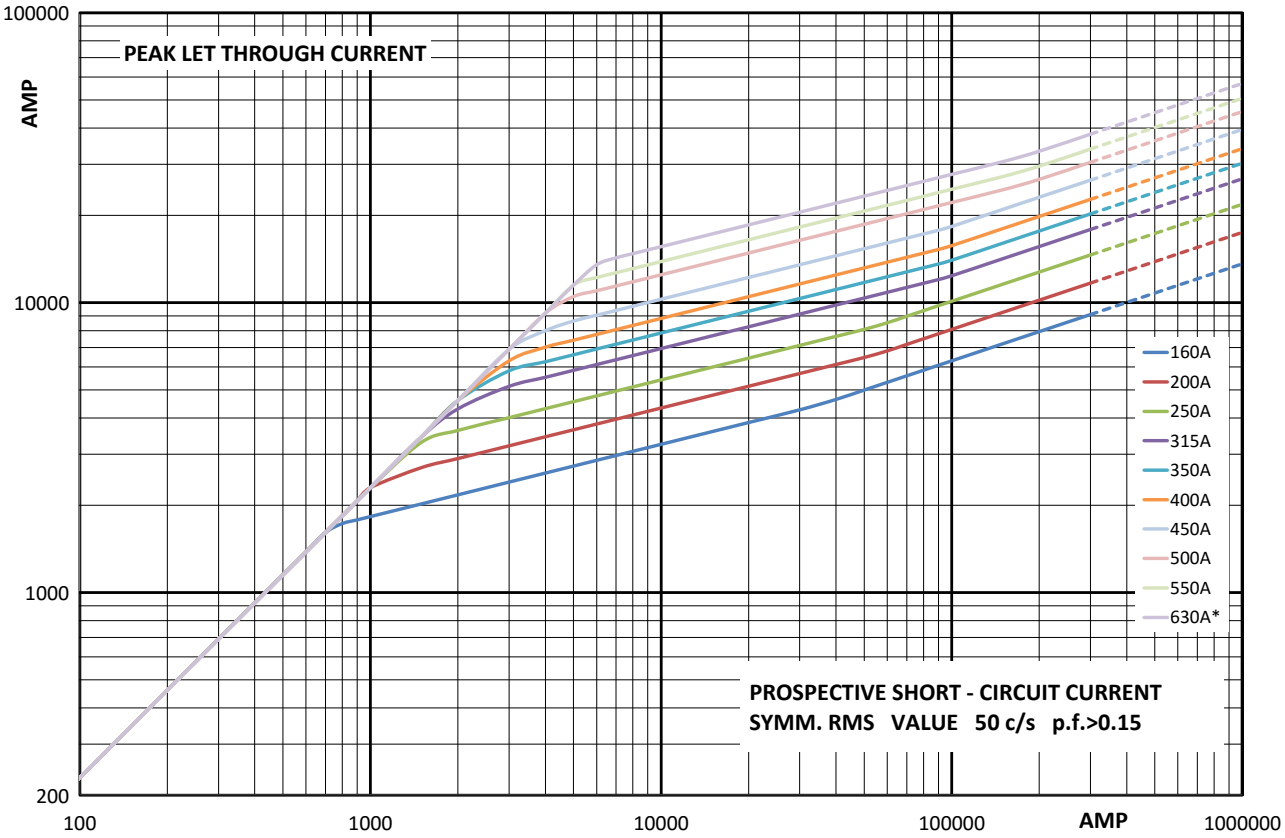
K_b = 1 N = 1.6

Data sheets: 170K6630 (Size 1*), 170K6632 (Size 1), 170K6634 (Size 2), 170K6636 (Size 3)

Downloaded from Arrow.com.

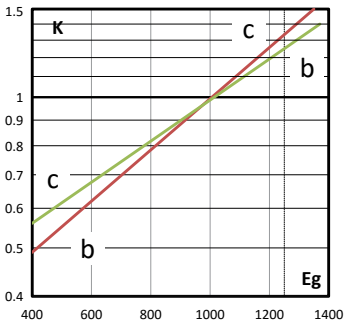
1250 V a.c. (IEC), 1300 V a.c. (UL) - 50 A to 1400 A - Sizes 1* to 3 - DIN 43653 - 170M

Cut-off curve - Size 1, 160 A to 630 A



Total clearing I²t

The total clearing I²t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I²t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).

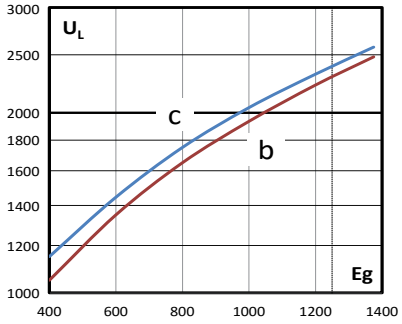


B: fuses ≤ 450 A

C: fuses ≥ 500 A

Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.

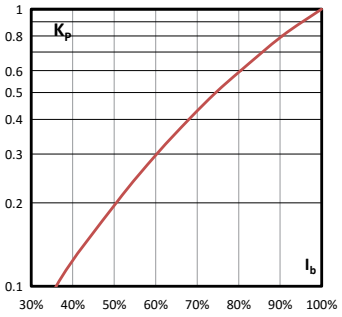


B: fuses ≤ 450 A

C: fuses ≥ 500 A

Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.

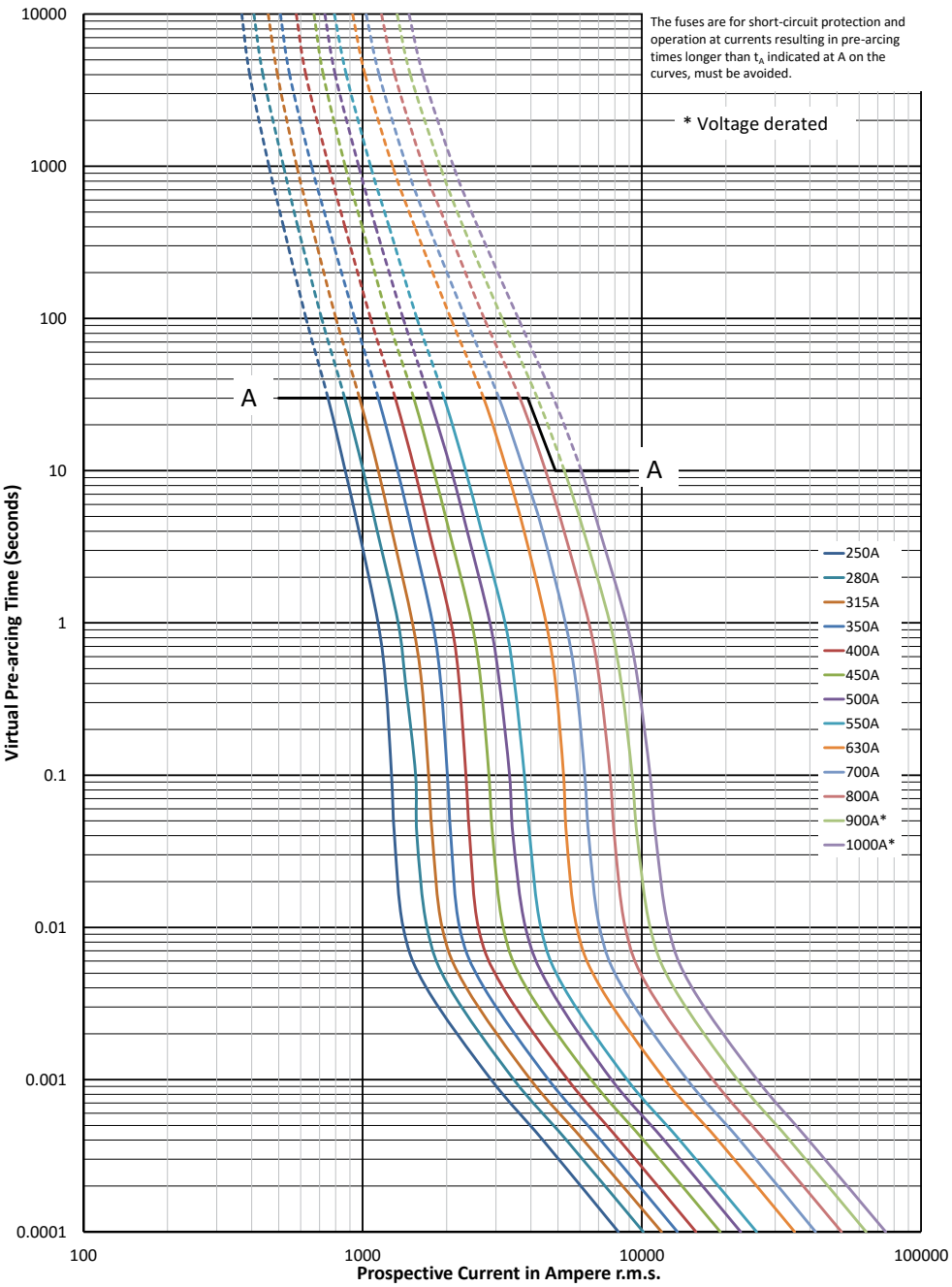


Data sheets: 170K6630 (Size 1*), 170K6632 (Size 1), 170K6634 (Size 2), 170K6636 (Size 3)

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1250 V a.c. (IEC), 1300 V a.c. (UL) - 50 A to 1400 A - Sizes 1* to 3 - DIN 43653 - 170M

Time-current curve - Size 2, 250 A to 1000 A



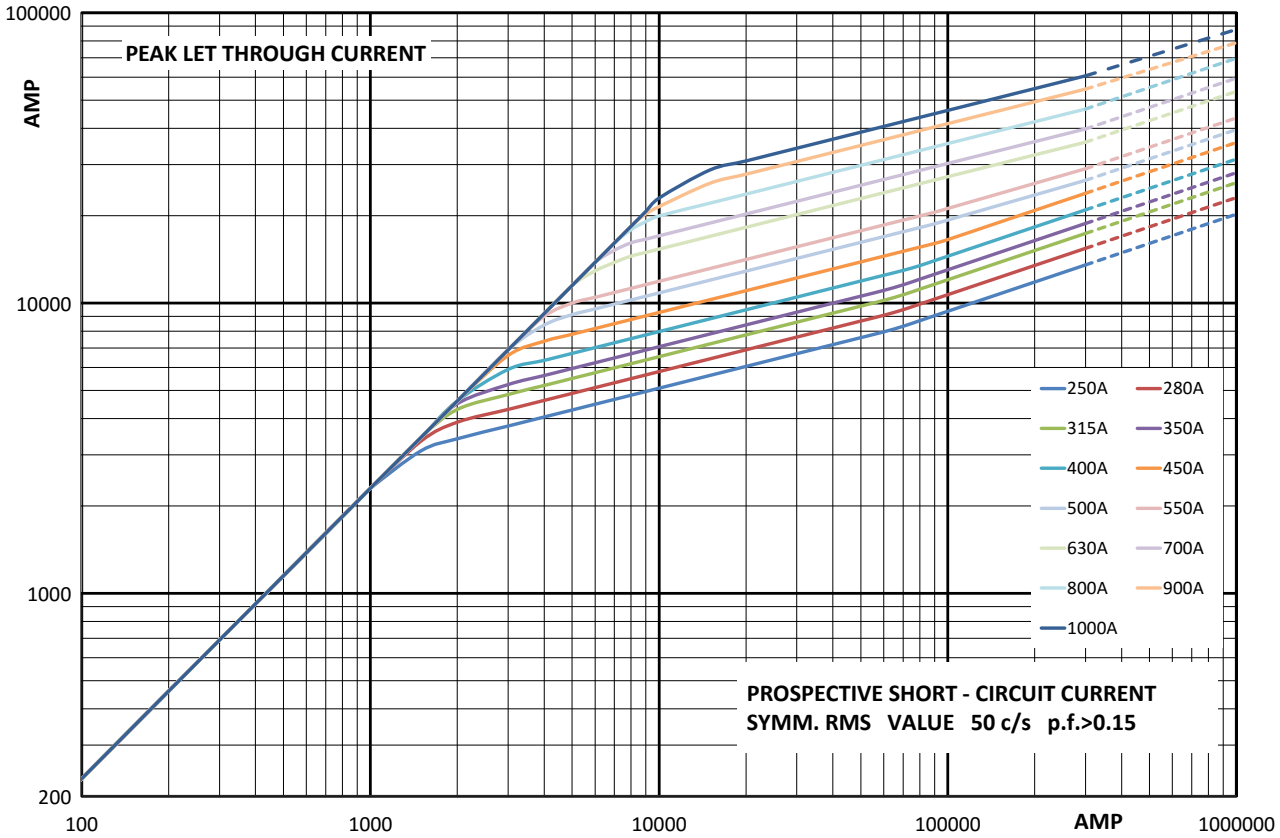
K_b = 1 N = 1.6

Data sheets: 170K6630 (Size 1*), 170K6632 (Size 1), 170K6634 (Size 2), 170K6636 (Size 3)

Downloaded from Arrow.com.

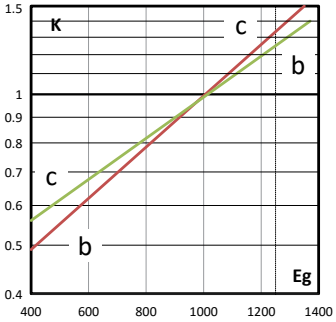
1250 V a.c. (IEC), 1300 V a.c. (UL) - 50 A to 1400 A - Sizes 1* to 3 - DIN 43653 - 170M

Cut-off curve - Size 2, 250 A to 1000 A



Total clearing I²t

The total clearing I²t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I²t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).

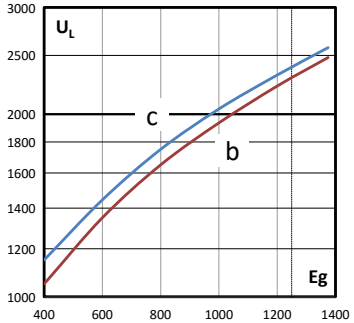


B: fuses ≤ 550 A

C: fuses ≥ 630 A

Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.

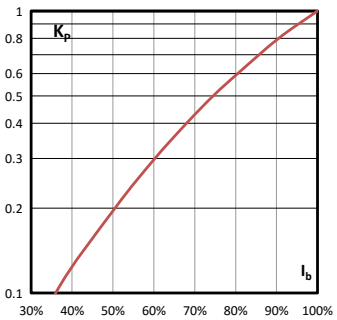


B: fuses ≤ 550 A

C: fuses ≥ 630 A

Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.

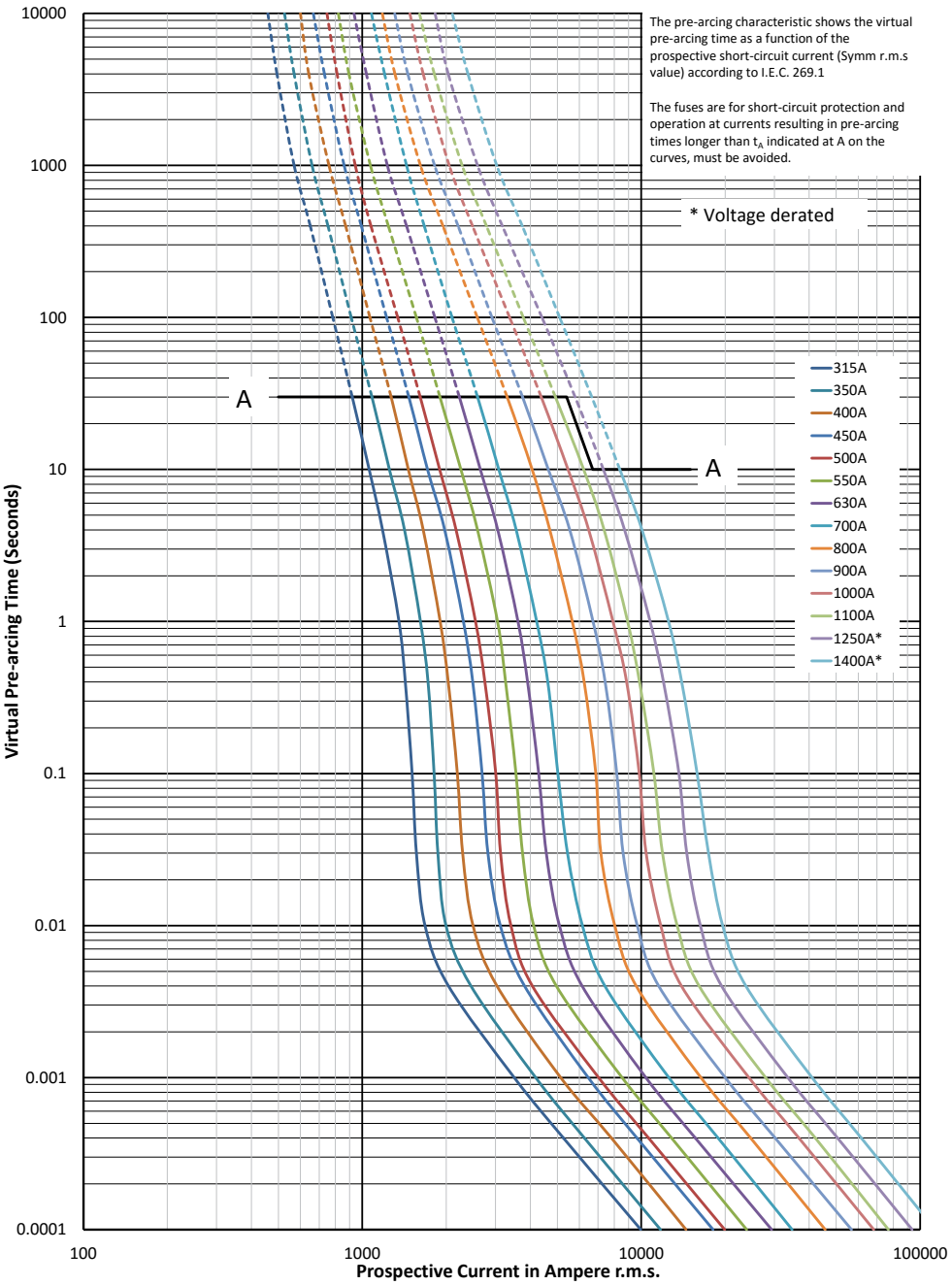


Data sheets: 170K6630 (Size 1*), 170K6632 (Size 1), 170K6634 (Size 2), 170K6636 (Size 3)

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1250 V a.c. (IEC), 1300 V a.c. (UL) - 50 A to 1400 A - Sizes 1* to 3 - DIN 43653 - 170M

Time-current curve - Size 3, 315 A to 1400 A



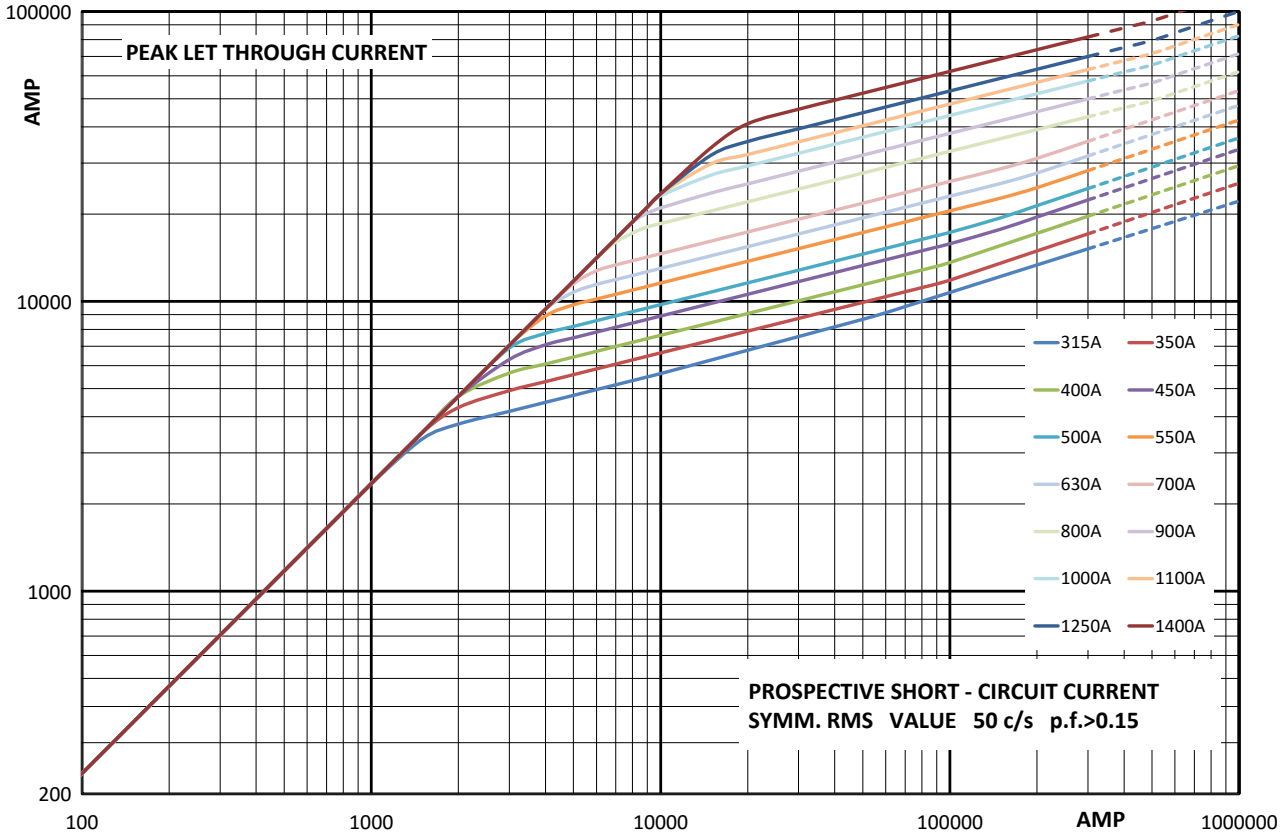
K_b = 1 N = 1.6

Data sheets: 170K6630 (Size 1*), 170K6632 (Size 1), 170K6634 (Size 2), 170K6636 (Size 3)

Downloaded from Arrow.com.

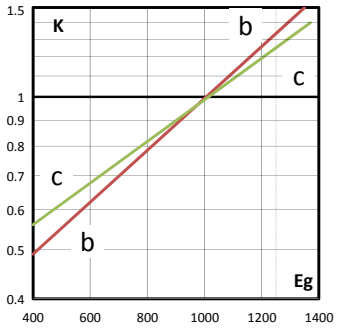
1250 V a.c. (IEC), 1300 V a.c. (UL) - 50 A to 1400 A - Sizes 1* to 3 - DIN 43653 - 170M

Cut-off curve - Size 3, 315 A to 1400 A



Total clearing I²t

The total clearing I²t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I²t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).

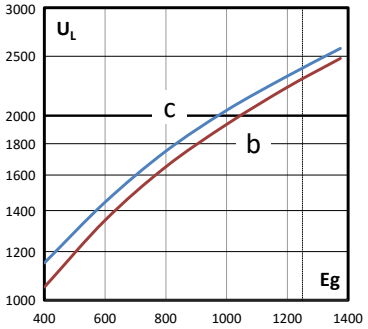


B: fuses ≤ 550 A

C: fuses ≥ 630 A

Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.

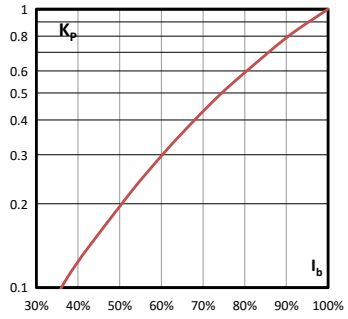


B: fuses ≤ 700 A

C: fuses ≥ 800 A

Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.



Data sheets: 170K6630 (Size 1*), 170K6632 (Size 1), 170K6634 (Size 2), 170K6636 (Size 3)

Downloaded from Arrow.com.

690 V a.c. (IEC) - 10 A to 800 A - Sizes 00 to 3 - DIN 43620 Full range (gR) - 170M

Description

Square body DIN 43620 blade high speed fuse links. Full range protection fuse links provide both overload and short-circuit protection.



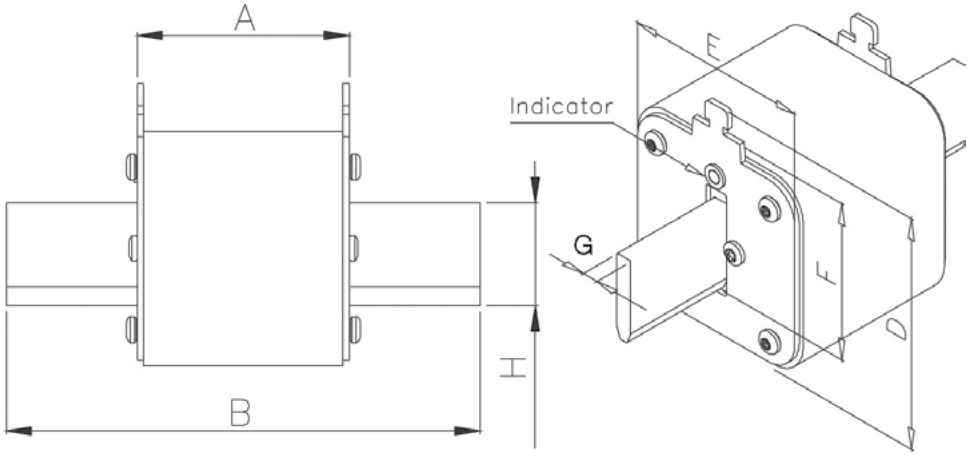
Technical data

- Rated voltage: 690 V a.c. (IEC)
- Rated current: 10 A to 800 A
- Breaking capacity: 200 kA RMS Sym
- Operating class: gR

Standards / Agency information

CE, Designed and tested to IEC 60269 Part 4

Dimensions (mm)



Size	A	B	D (max)	E (max)	F	G	H (min)
00	49	78.5	60	30	35	6	15
1	68	135	66	52	40	6	20
2	68	150	74	60	48	6	25
3	68	150	89	75	60	6	32

Data sheets: 170K6412 (Size 00), 170K6416 (Size 1), 170K6418 (Size 2), 170K6420 (Size 3)

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690 V a.c. (IEC) - 10 A to 800 A - Sizes 00 to 3 - DIN 43620 Full range (gR) - 170M

Catalogue numbers

Fuse link body size	Rated voltage	Rated current (Amps)[1]	I^2t (A^2 Sec) Pre-arcing	I^2t (A^2 Sec) Clearing at 690 V a.c.	Watts loss (W)	Catalogue numbers Type T indicator for micro
00	690 V a.c. (IEC)	10	3.8	20	3.5	170M2691
		16	7.2	38	5.5	170M2692
		20	13	70	6	170M2693
		25	24	125	8	170M2694
		32	53	275	9	170M2695
		40	95	490	10	170M2696
		50	185	1000	11	170M2697
		63	345	1800	14	170M2698
		80	695	3600	16	170M2699
		100	1250	6650	19	170M2700
		125	2300	12,000	23	170M2701
		160	4350	22,500	29	170M2702
1	690 V a.c. (IEC)	50	135	705	12	170M4176
		63	245	1300	15	170M4177
		80	500	2600	17	170M4178
		100	950	4850	20	170M4179
		125	1850	9500	23	170M4180
		160	3450	18,000	28	170M4181
		200	6750	34,500	31	170M4182
		250	13,500	70,500	35	170M4183
		315	26,000	135,000	41	170M4184
		350	34,000	175,000	45	170M4185
		400	48,500	250,000	48	170M4186
2	690 V a.c. (IEC)	200	5650	29,000	33	170M5881
		250	10,000	52,500	40	170M5882
		315	19,500	105,000	46	170M5883
		350	26,000	135,000	50	170M5884
		400	39,500	205,000	53	170M5885
		450	55,500	290,000	59	170M5886
		500	73,000	375,000	66	170M5887
		550	100,000	515,000	70	170M5888
		630	150,000	770,000	79	170M5889
3	690 V a.c. (IEC)	350	23,000	120,000	55	170M6080
		400	34,000	175,000	59	170M6081
		450	48,500	250,000	62	170M6082
		500	64,000	330,000	67	170M6083
		550	84,500	435,000	70	170M6084
		630	125,000	645,000	85	170M6085
		700	160,000	840,000	93	170M6086
		800	245,000	1,300,000	99	170M6087

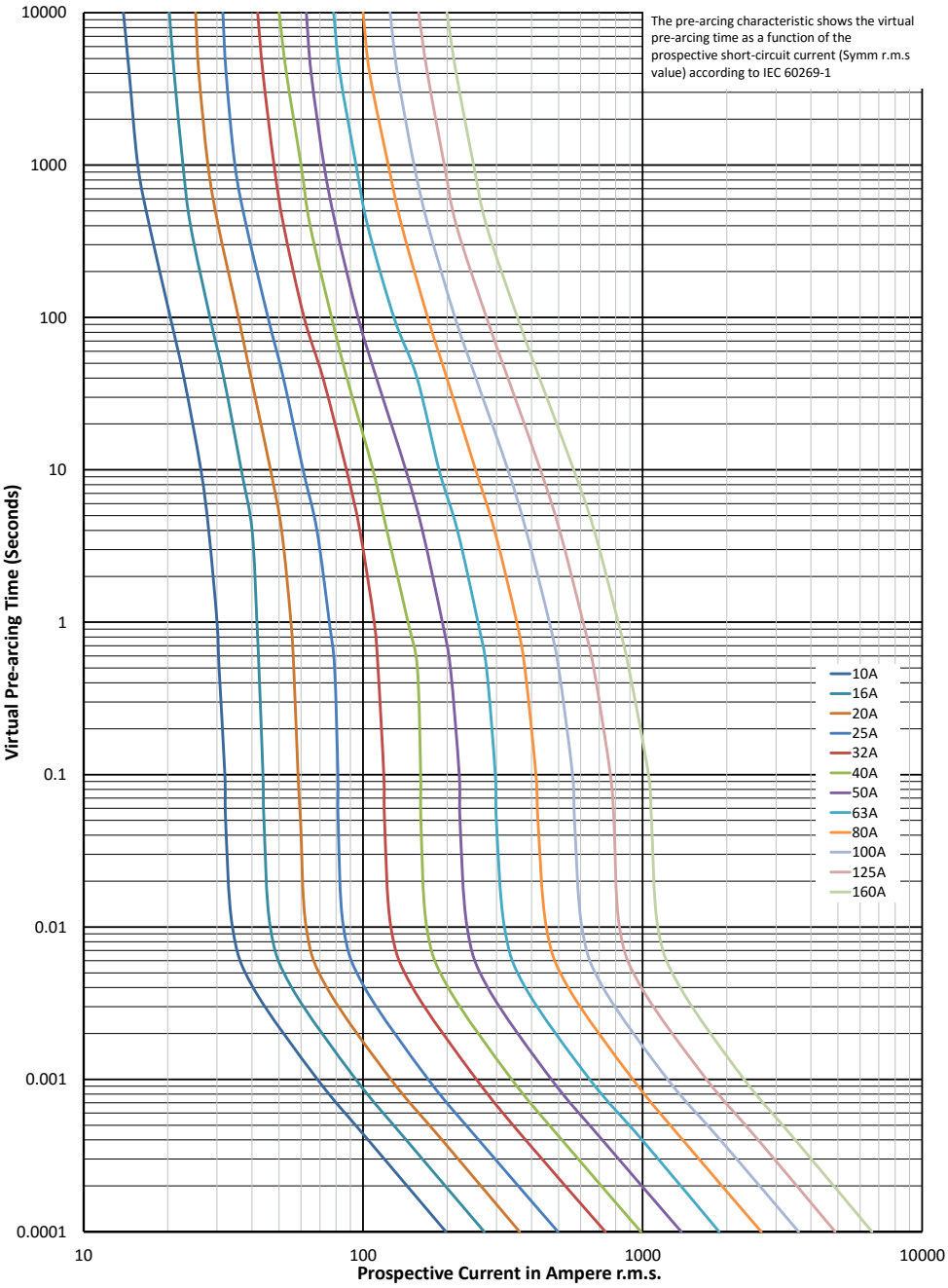
[1] The RMS Amp rating of this fuse links range is given with open fuse bases connected to copper conductors according to IEC 60269-1, table 17. When used in enclosed fuse bases/disconnects, derating factors have to be observed. Please contact Eaton for application assistance bulehighspeedtechnical@eaton.com.

Data sheets: 170K6412 (Size 00), 170K6416 (Size 1), 170K6418 (Size 2), 170K6420 (Size 3)

Downloaded from Arrow.com.

690 V a.c. (IEC) - 10 A to 800 A - Sizes 00 to 3 - DIN 43620 Full range (gR) - 170M

Time-current curve - Size 00, 10 A to 160 A



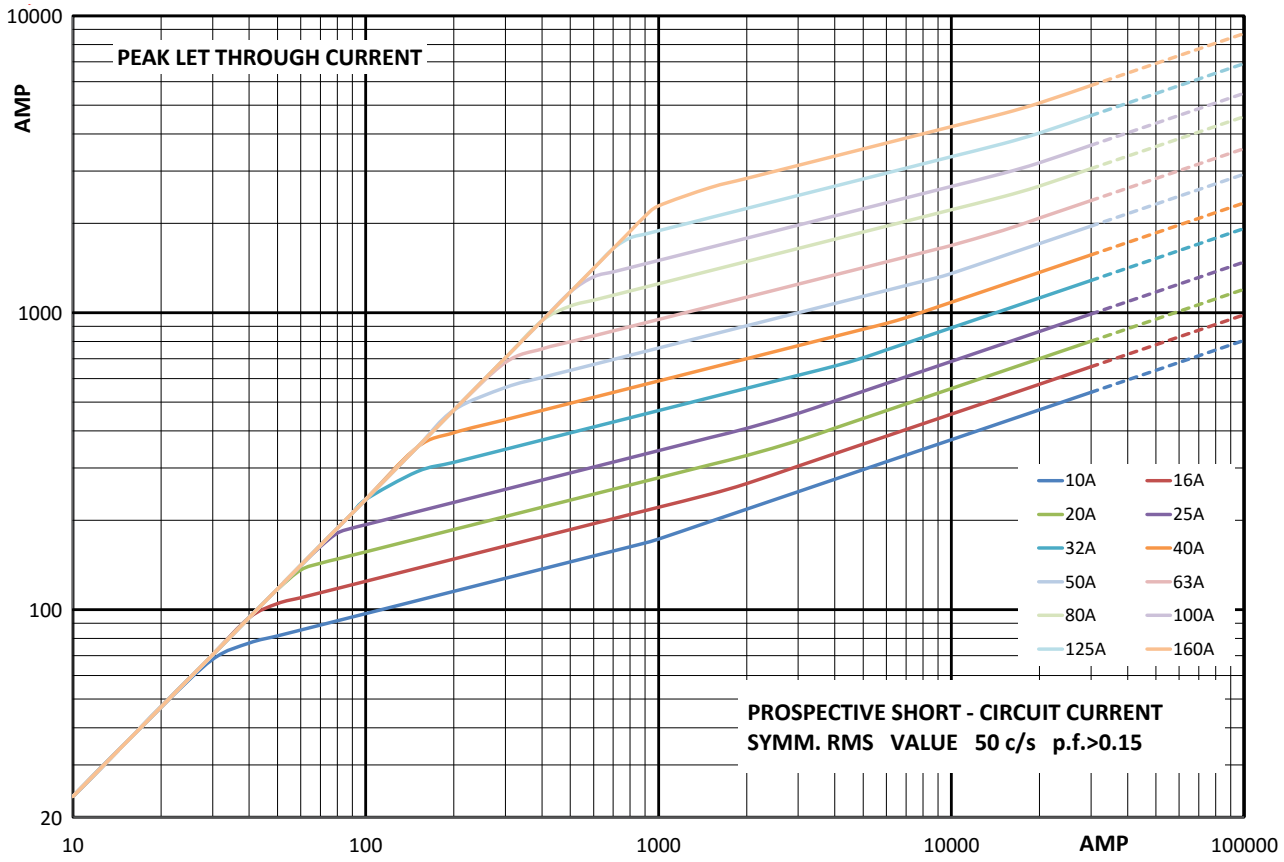
K_b = 1 N = 1.6

Data sheets: 170K6412 (Size 00), 170K6416 (Size 1), 170K6418 (Size 2), 170K6420 (Size 3)

Downloaded from Arrow.com.

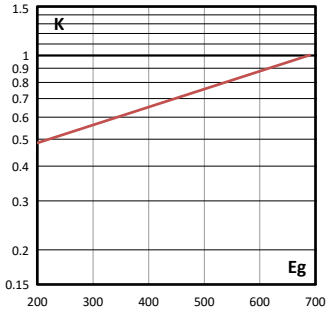
690 V a.c. (IEC) - 10 A to 800 A - Sizes 00 to 3 - DIN 43620 Full range (gR) - 170M

Cut-off curve - Size 00, 10 A to 160 A



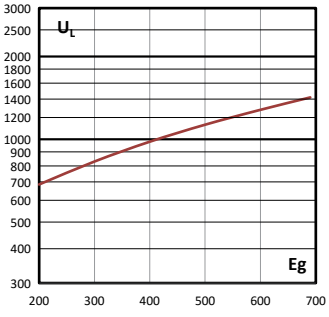
Total clearing I²t

The total clearing I²t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I²t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



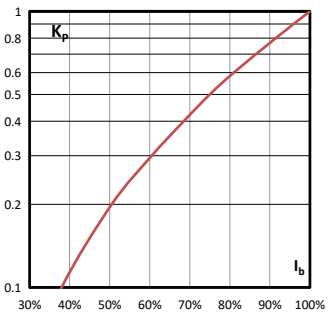
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p, is given as a function of the RMS load current, I_b, in percent of the rated current.

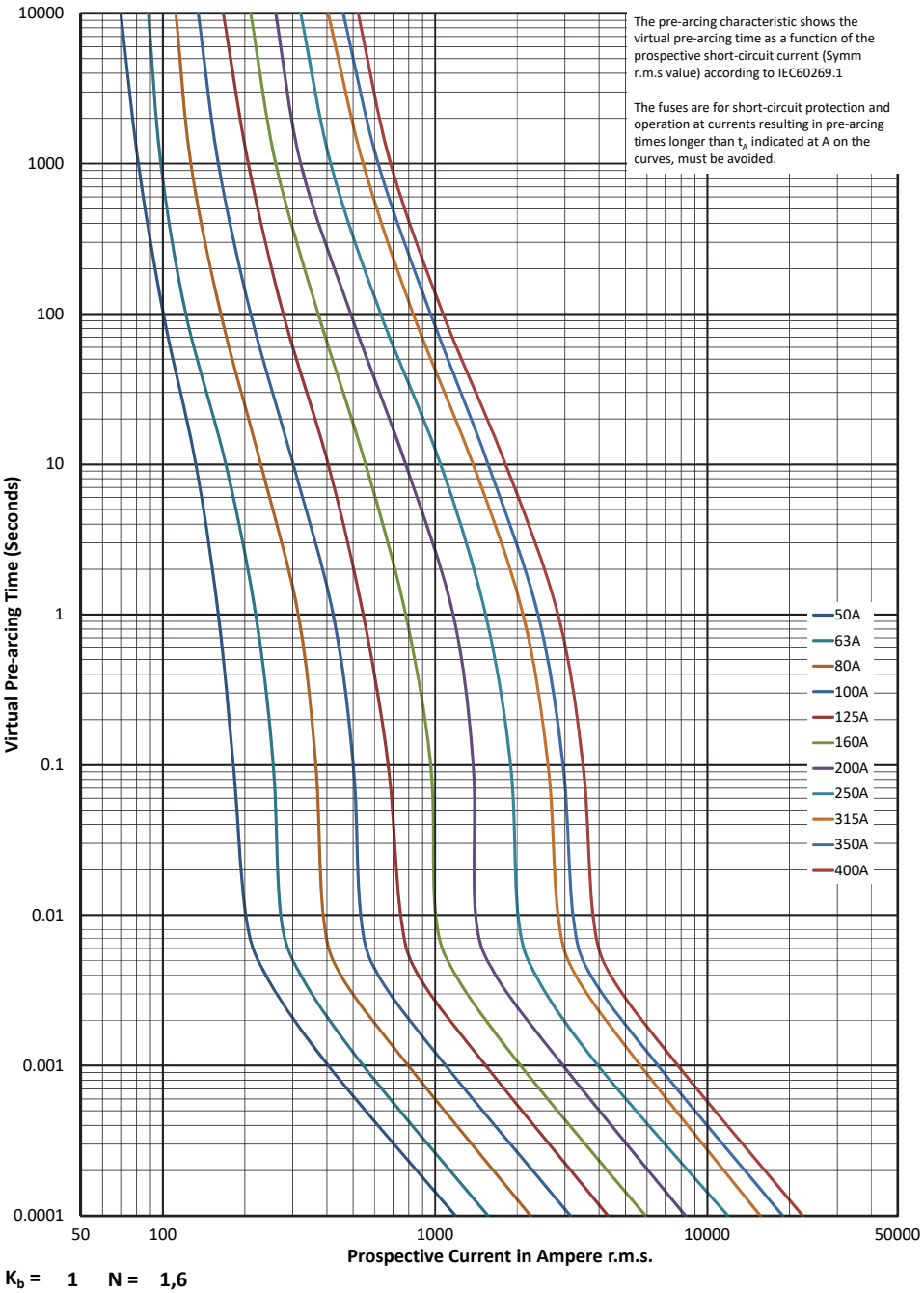


Data sheets: 170K6412 (Size 00), 170K6416 (Size 1), 170K6418 (Size 2), 170K6420 (Size 3)

Downloaded from Arrow.com.

690 V a.c. (IEC) - 10 A to 800 A - Sizes 00 to 3 - DIN 43620 Full range (gR) - 170M

Time-current curve - Size 1, 50 A to 400 A



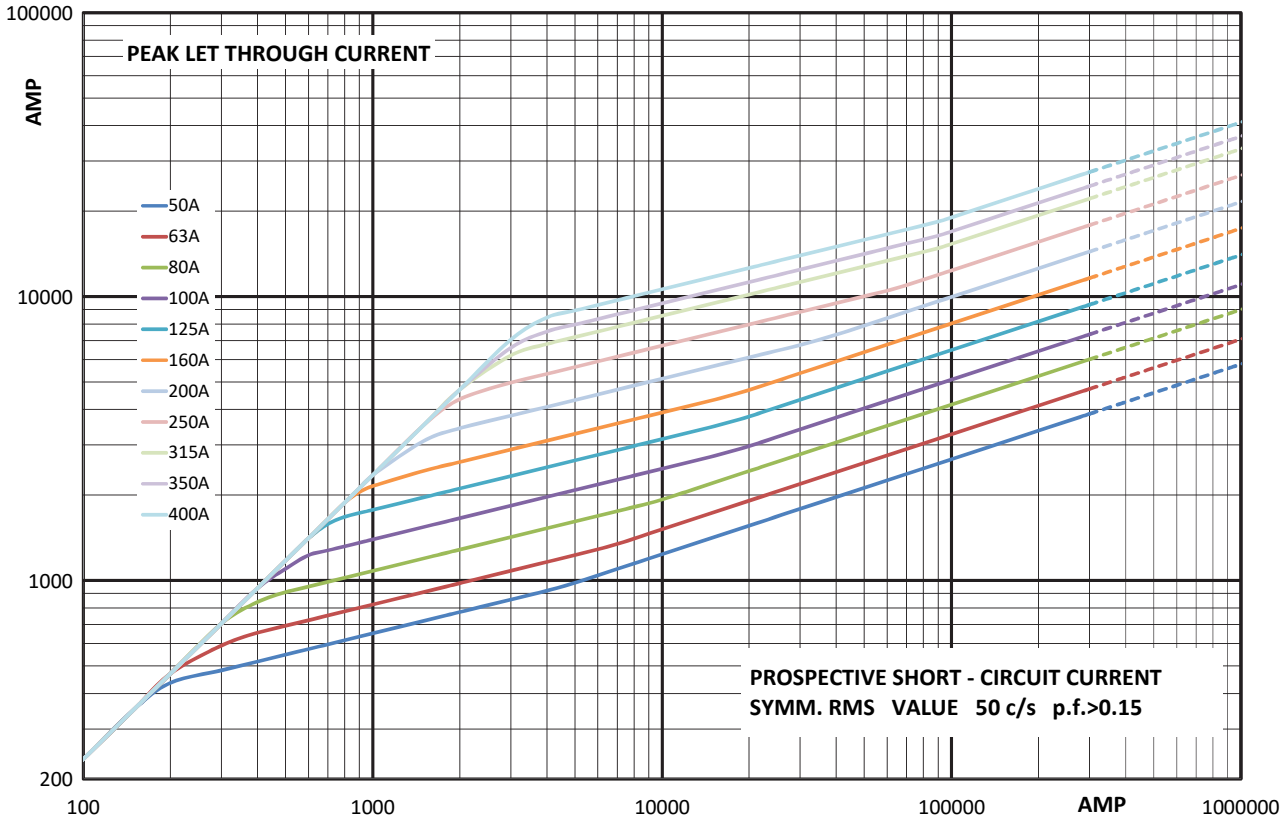
K_b = 1 N = 1,6

Data sheets: 170K6412 (Size 00), 170K6416 (Size 1), 170K6418 (Size 2), 170K6420 (Size 3)

Downloaded from Arrow.com.

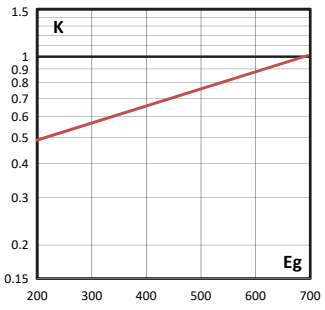
690 V a.c. (IEC) - 10 A to 800 A - Sizes 00 to 3 - DIN 43620 Full range (gR) - 170M

Cut-off curve - Size 1, 50 A to 400 A



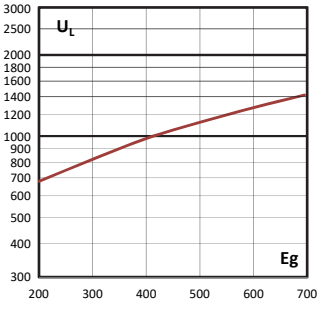
Total clearing I²t

The total clearing I²t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I²t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



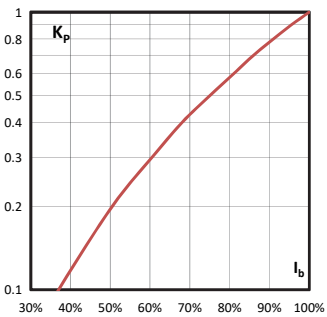
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.

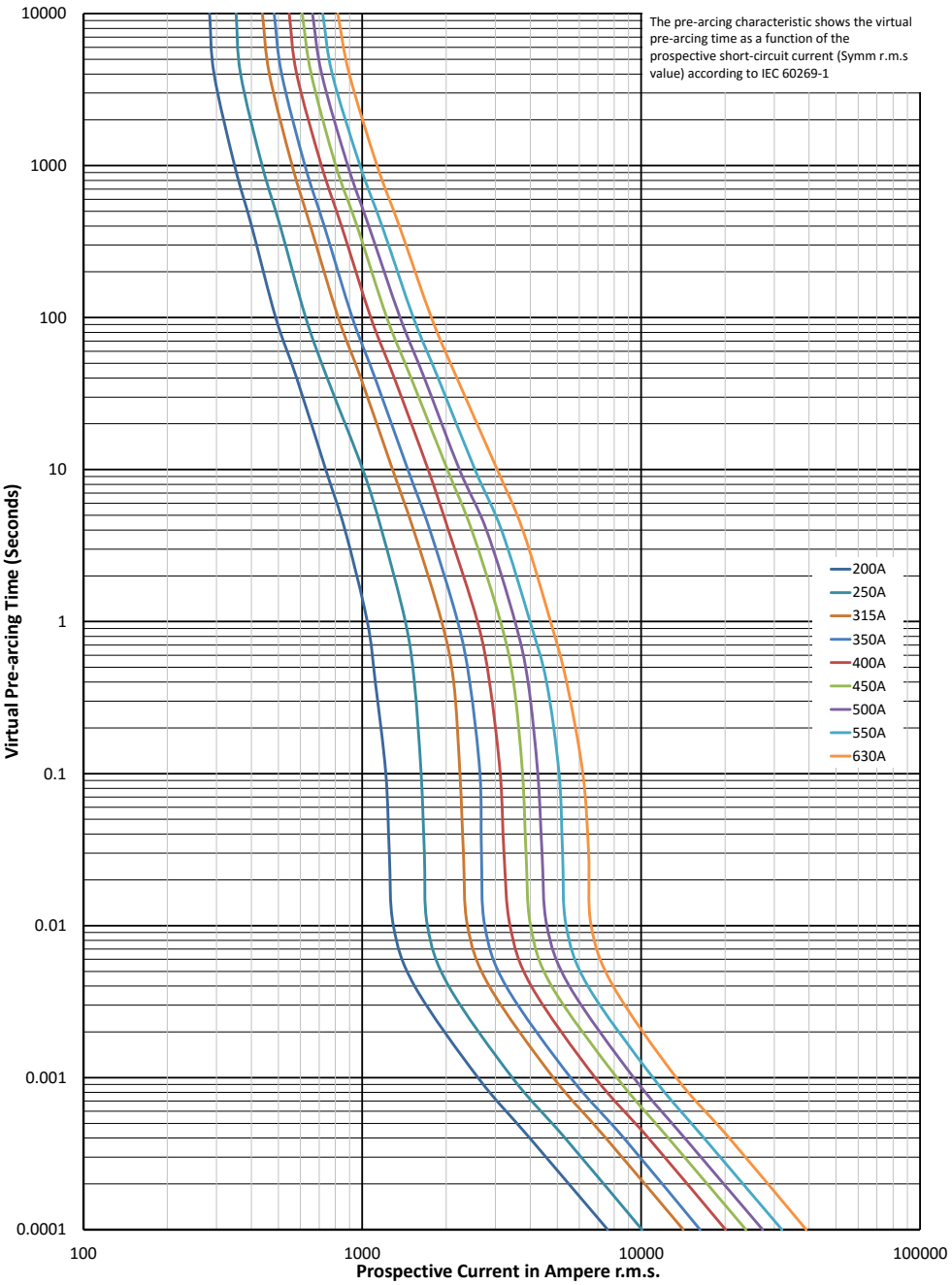


Data sheets: 170K6412 (Size 00), 170K6416 (Size 1), 170K6418 (Size 2), 170K6420 (Size 3)

Downloaded from Arrow.com.

690 V a.c. (IEC) - 10 A to 800 A - Sizes 00 to 3 - DIN 43620 Full range (gR) - 170M

Time-current curve - Size 2, 200 A to 630 A



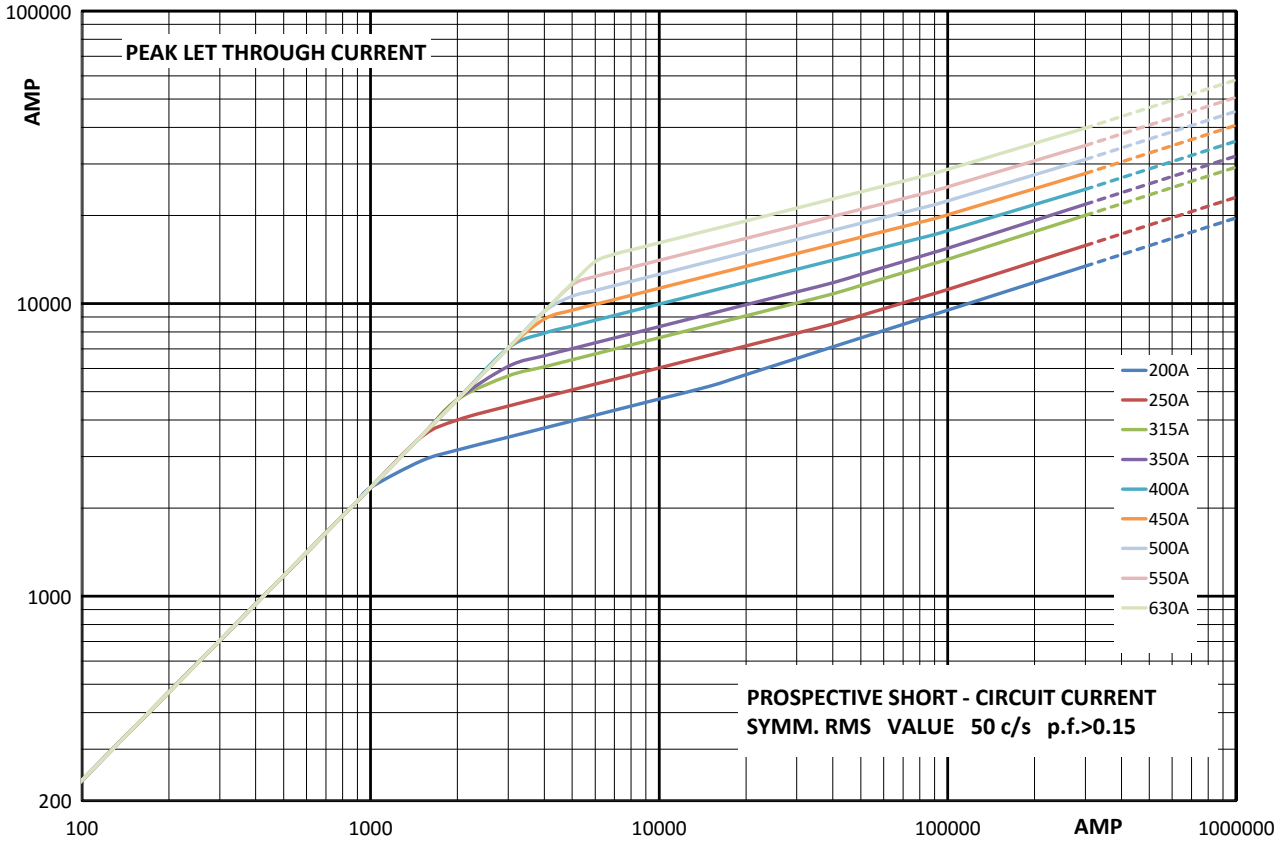
K_b = 1 N = 1.6

Data sheets: 170K6412 (Size 00), 170K6416 (Size 1), 170K6418 (Size 2), 170K6420 (Size 3)

Downloaded from Arrow.com.

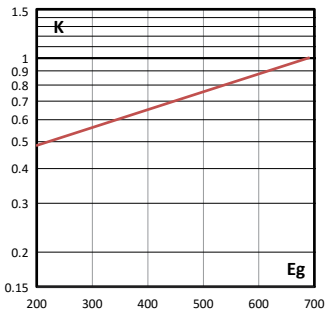
690 V a.c. (IEC) - 10 A to 800 A - Sizes 00 to 3 - DIN 43620 Full range (gR) - 170M

Cut-off curve - Size 2, 200 A to 630 A



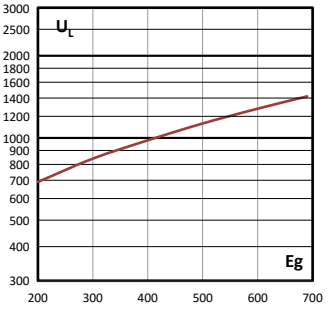
Total clearing I²t

The total clearing I²t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I²t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



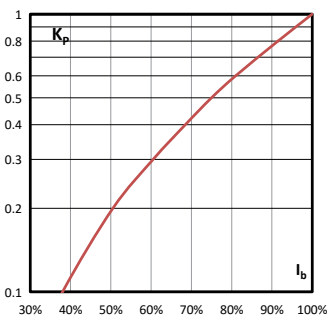
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.

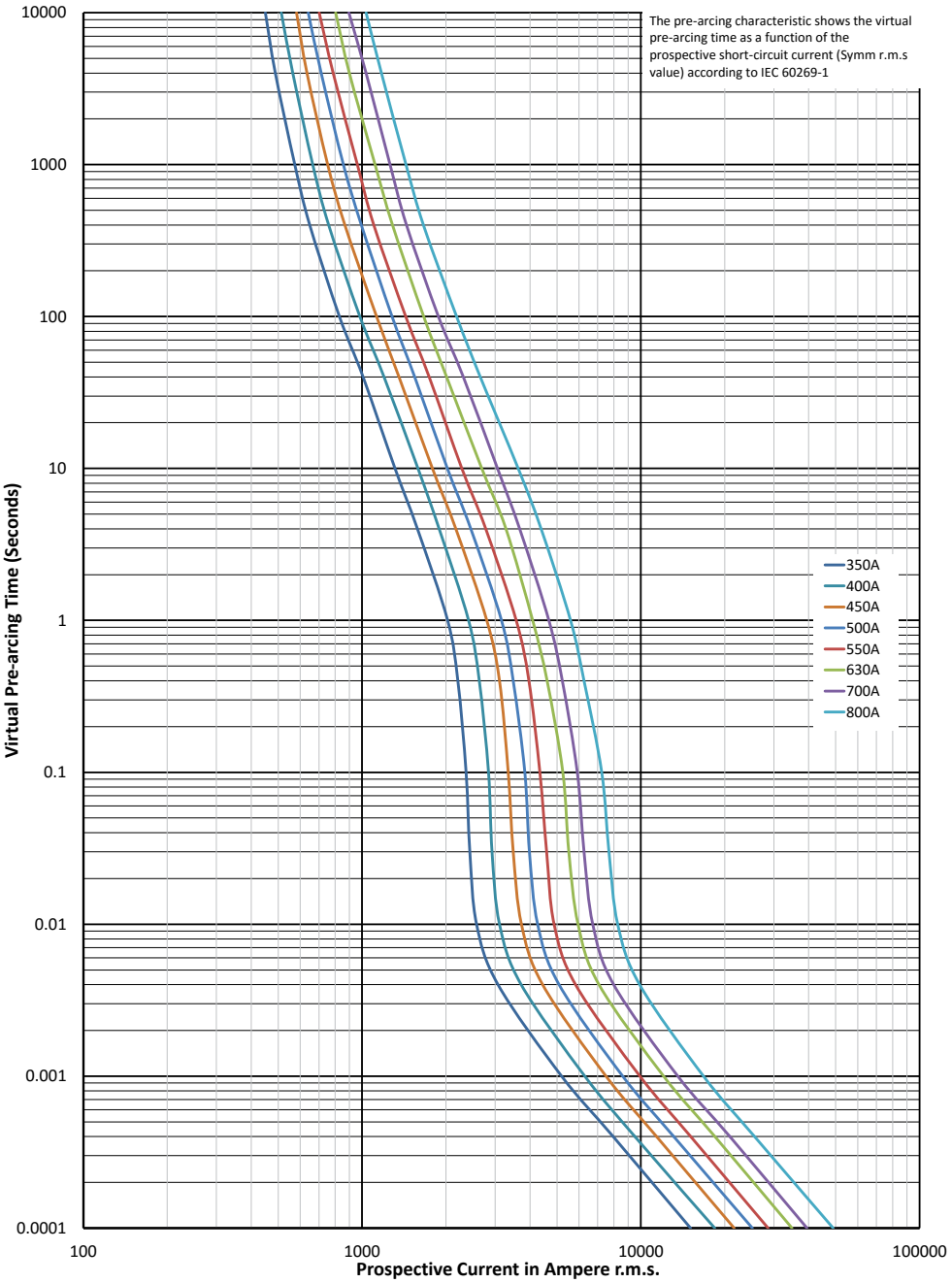


Data sheets: 170K6412 (Size 00), 170K6416 (Size 1), 170K6418 (Size 2), 170K6420 (Size 3)

Downloaded from Arrow.com.

690 V a.c. (IEC) - 10 A to 800 A - Sizes 00 to 3 - DIN 43620 Full range (gR) - 170M

Time-current curve - Size 3, 350 A to 800 A



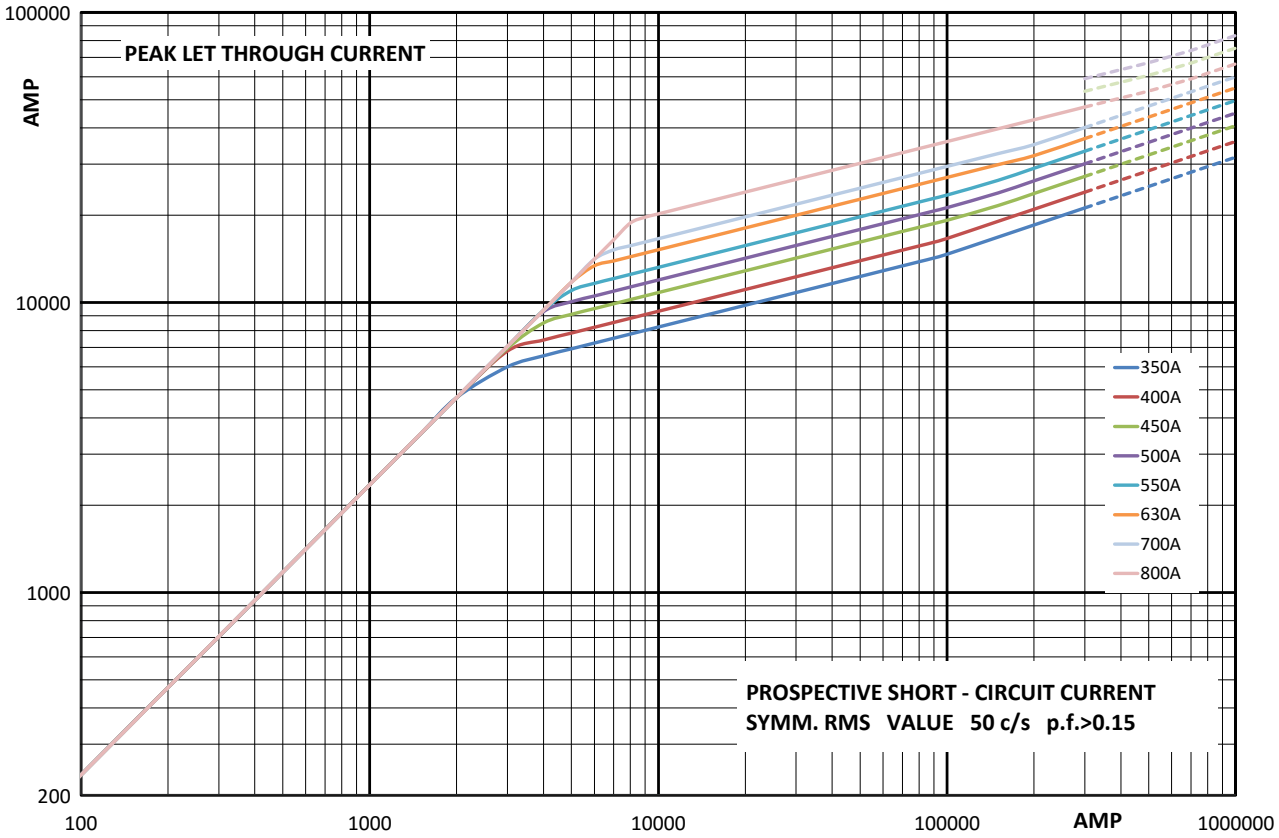
K_b = 1 N = 1.6

Data sheets: 170K6412 (Size 00), 170K6416 (Size 1), 170K6418 (Size 2), 170K6420 (Size 3)

Downloaded from Arrow.com.

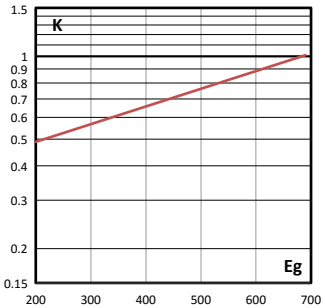
690 V a.c. (IEC) - 10 A to 800 A - Sizes 00 to 3 - DIN 43620 Full range (gR) - 170M

Cut-off curve - Size 3, 350 A to 1000 A



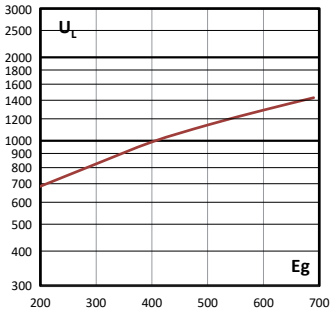
Total clearing I²t

The total clearing I²t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I²t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



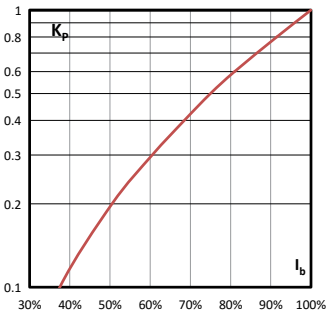
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.



Data sheets: 170K6412 (Size 00), 170K6416 (Size 1), 170K6418 (Size 2), 170K6420 (Size 3)

Downloaded from Arrow.com.

690 V a.c. (IEC), 700 V a.c. (UL) - 10 A to 1600 A - Sizes 000 to 3 - DIN 43620 - Dual indicator - 170M

Description

Square body DIN 43620 blade high speed fuse links with dual indicator system: one indicator in the fuse body and another one in the metallic end plate. Interchangeable with existing high speed DIN 43620 fuse links for the protection of UPS, soft starters, solid state relays, variable speed drives, rectifiers and inverters.



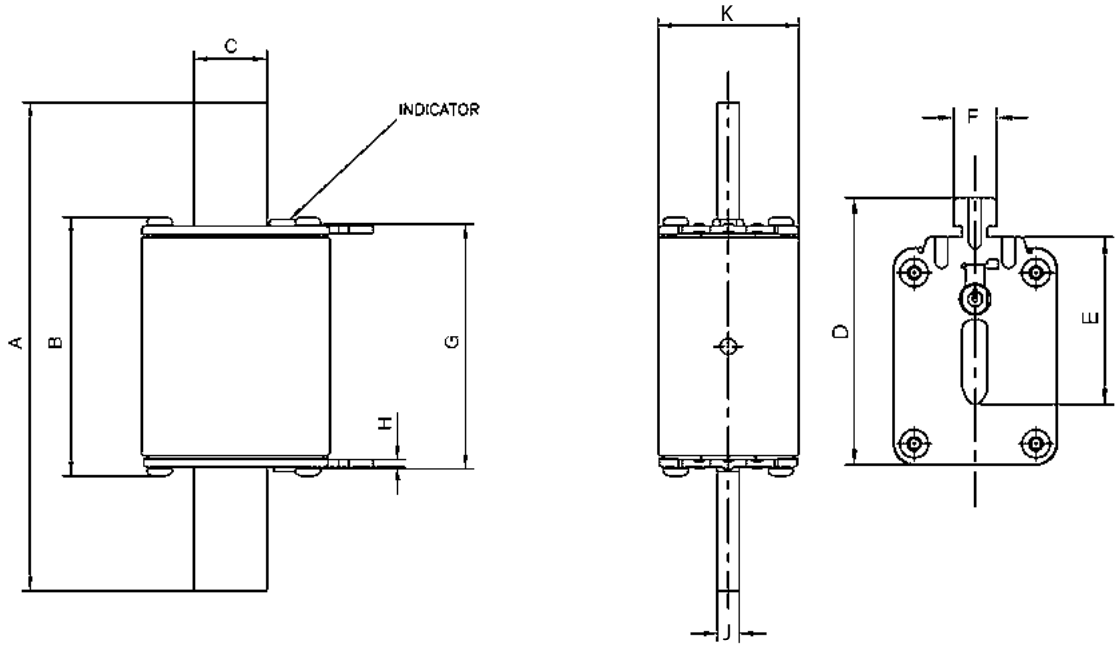
Technical data

- Rated voltage:
  - 690 V a.c. (IEC)
  - 700 V a.c. (UL)
- Rated current: 10 A to 1600 A
- Breaking capacity: 200 kA RMS Sym
- Operating class: gR (size 000, 10 A to 63A), aR (others)

Standards / Agency information

CE, IEC60269 Part 4, UL and CSA Recognised

Dimensions (mm)



Size	A	B	C	D	E	F	G	H	J	K
000	78.5	53	15	52	35	10	49.7	1.5	6	20.5
00	78.5	53	15	59	35	10	49.7	2	6	30
1	135	71.4	20	64	40	10	67.5	2	6	40
2	150	71.4	25.1	72	48	10	67.5	2	6	54
3	150	72.4	32	87	60	10	68.5	2.5	6	71

Data sheets: 170K6386 (Size 000 and 00), 170K6388 (Size 1), 170K6390 (Size 2), 170K6392 (Size 3)

Downloaded from Arrow.com.

690 V a.c. (IEC), 700 V a.c. (UL) - 10 A to 1600 A - Sizes 000 to 3 - DIN 43620 - Dual indicator - 170M

Catalogue numbers

Fuse link body size	Rated voltage	Rated current (Amps)	Max permissible load current	I²t (A² Sec) Pre-arcing	I²t (A² Sec) Clearing at 690 V a.c.	Watts loss (W)[2]	Catalogue numbers Dual indicator
000	690 V a.c. (IEC) 700 V a.c. (UL)	10	10	4	27	2.5	170M1558D
		16	16	7	51	4	170M1559D
		20	20	11.5	82.5	5	170M1560D
		25	25	19	140	6	170M1561D
		32	32	40	285	7	170M1562D
		40	40	65	490	8.5	170M1563D
		50	50	115	815	9.5	170M1564D
		63	63	215	1550	11.5	170M1565D
		80	80	380	2700	15	170M1566D
		100	100	695	4950	16.5	170M1567D
		125	125	1180	8250	21.5	170M1568D
		160	160	2300	16,500	25	170M1569D
		200	200	4350	31,000	29.5	170M1570D
		250	250	7900	56,000	35.5	170M1571D
00	690 V a.c. (IEC) / 700 V a.c. (UL)	315	315	12,000	84,500	45	170M1572D
1	690 V a.c. (IEC) 700 V a.c. (UL)	40	25	40	285	4	170M3808D
		50	30	78	550	4.5	170M3809D
		63	38	120	850	6.5	170M3810D
		80	50	185	1350	8.5	170M3811D
		100	60	360	2600	10	170M3812D
		125	75	550	3900	11	170M3813D
		160	95	1150	8250	12	170M3814D
		200	120	2300	16,500	12.5	170M3815D
		250	150	4350	31,000	16	170M3816D
		315	190	7300	52,000	20	170M3817D
		350	210	10,000	73,000	21.5	170M3818D
		400	240	16,000	115,000	23	170M3819D
		450	270	21,500	155,000	26.5	170M4863D
		500	300	27,000	190,000	28.5	170M4864D
		550	330	33,500	240,000	33	170M4865D
		630	380	48,500	345,000	37.5	170M4866D
		700	420	69,500	495,000	39	170M4867D[1]
2	690 V a.c. (IEC) 700 V a.c. (UL)	400	240	11,000	79,000	29	170M5808D
		450	270	16,000	115,000	32	170M5809D
		500	300	21,500	155,000	34	170M5810D
		550	330	29,000	215,000	36	170M5811D
		630	380	41,000	295,000	42	170M5812D
		700	420	60,500	430,000	43	170M5813D
		800	480	86,000	610,000	48	170M5814D
		900	540	125,000	895,000	52	170M5820D
		1000	600	180,000	1,300,000	53	170M5816D
		1100	660	245,000	1,750,000	56	170M5817D

[1] 170M4867D is not UL recognised.
[2] Given at maximum load Rated current, please refer to data sheets for further details.

Data sheets: 170K6386 (Size 000 and 00), 170K6388 (Size 1), 170K6390 (Size 2), 170K6392 (Size 3)

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690 V a.c. (IEC), 700 V a.c. (UL) - 10 A to 1600 A - Sizes 000 to 3 - DIN 43620 - Dual indicator - 170M

Catalogue numbers

Fuse link body size	Rated voltage	Rated current (Amps)	Max permissible load current	I²t (A² Sec) Pre-arcing	I²t (A² Sec) Clearing at 690 V a.c.	Watts loss (W)[2]	Catalogue numbers Dual indicator
3	690 V a.c. (IEC) 700 V a.c. (UL)	500	300	14,000	99,500	43	170M6808D
		550	330	19,500	140,000	44	170M6809D
		630	380	31,000	220,000	45	170M6810D
		700	420	45,000	320,000	46	170M6811D
		800	480	69,500	490,000	48	170M6812D
		900	540	100,000	720,000	50	170M6813D
		1000	600	140,000	985,000	56	170M6814D
		1100	660	190,000	1,400,000	57	170M6892D
		1250	750	300,000	2,150,000	61	170M8554D
		1400	840	380,000	2,700,000	70	170M8555D
		1500	900	470,000	3,350,000	72	170M8556D
		1600	960	585,000	4,150,000	74	170M8557D

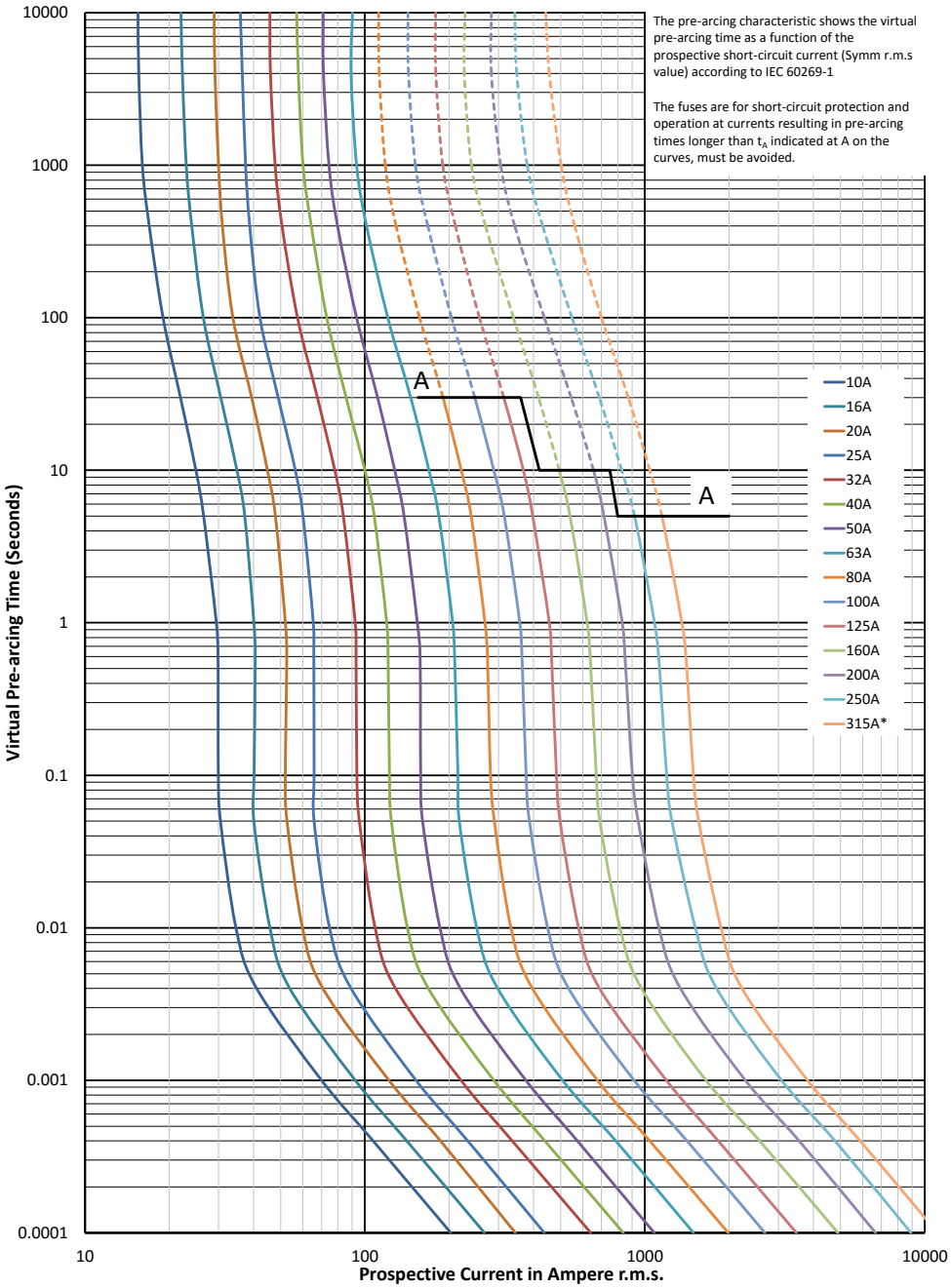
[2] Given at maximum load Rated current, please refer to data sheets for further details.

Data sheets: 170K6386 (Size 000 and 00), 170K6388 (Size 1), 170K6390 (Size 2), 170K6392 (Size 3)

Downloaded from Arrow.com.

690 V a.c. (IEC), 700 V a.c. (UL) - 10 A to 1600 A - Sizes 000 to 3 - DIN 43620 - Dual indicator - 170M

Time-current curve - Sizes 000 and 00, 10 A to 315 A



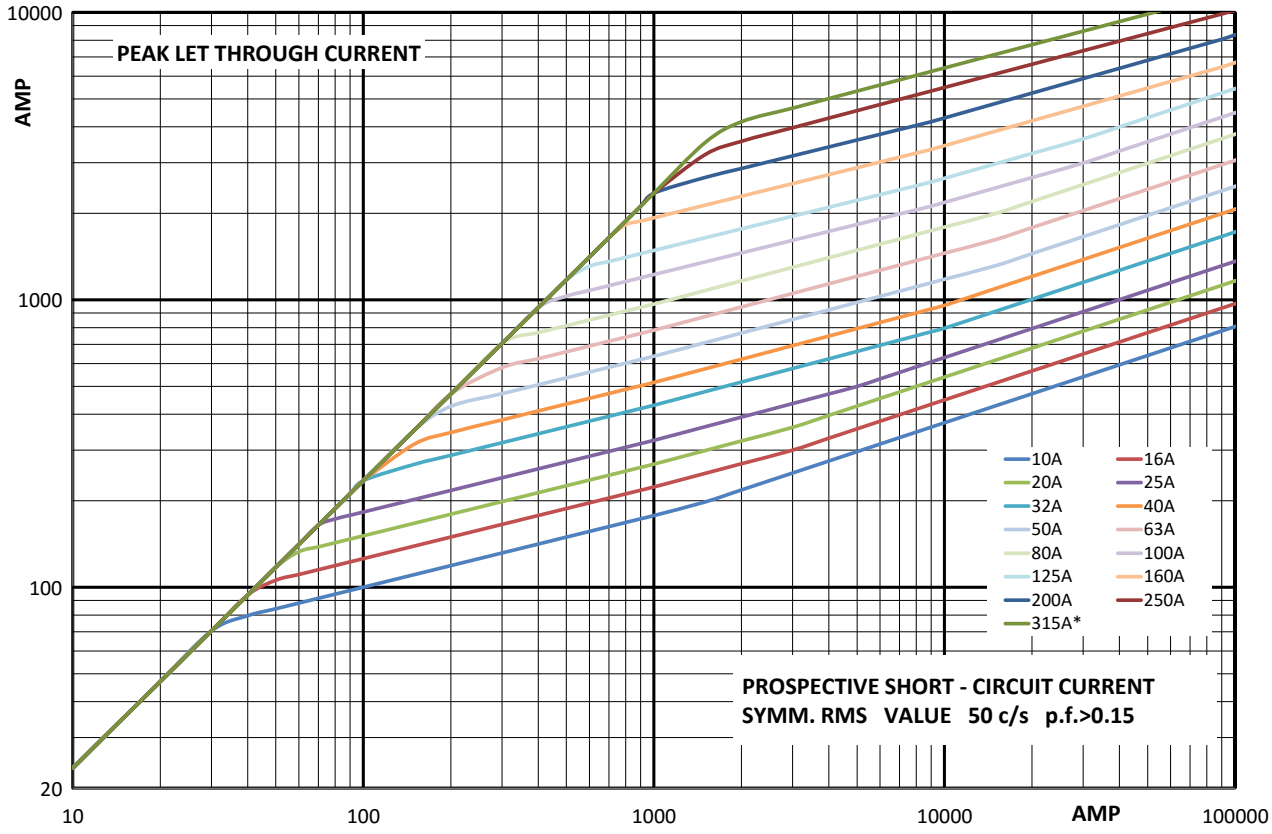
K_b = 1 N = 1.6

Data sheets: 170K6386 (Size 000 and 00), 170K6388 (Size 1), 170K6390 (Size 2), 170K6392 (Size 3)

Downloaded from Arrow.com.

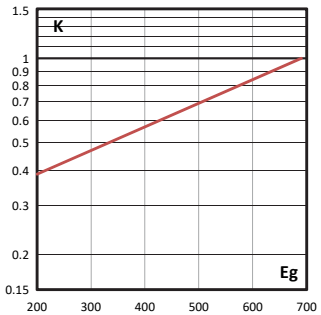
690 V a.c. (IEC), 700 V a.c. (UL) - 10 A to 1600 A - Sizes 000 to 3 - DIN 43620 - Dual indicator - 170M

Cut-off curve - Sizes 000 amd 00, 10 A to 315 A



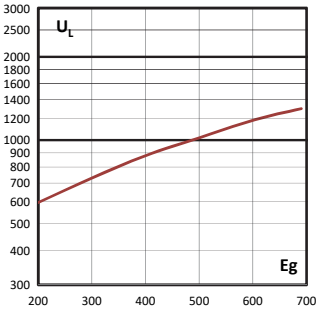
Total clearing I^2t

The total clearing I^2t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I^2t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



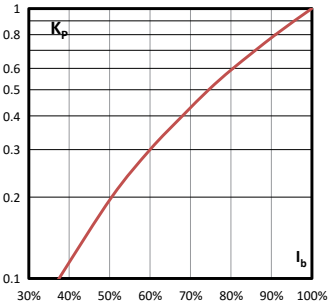
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.

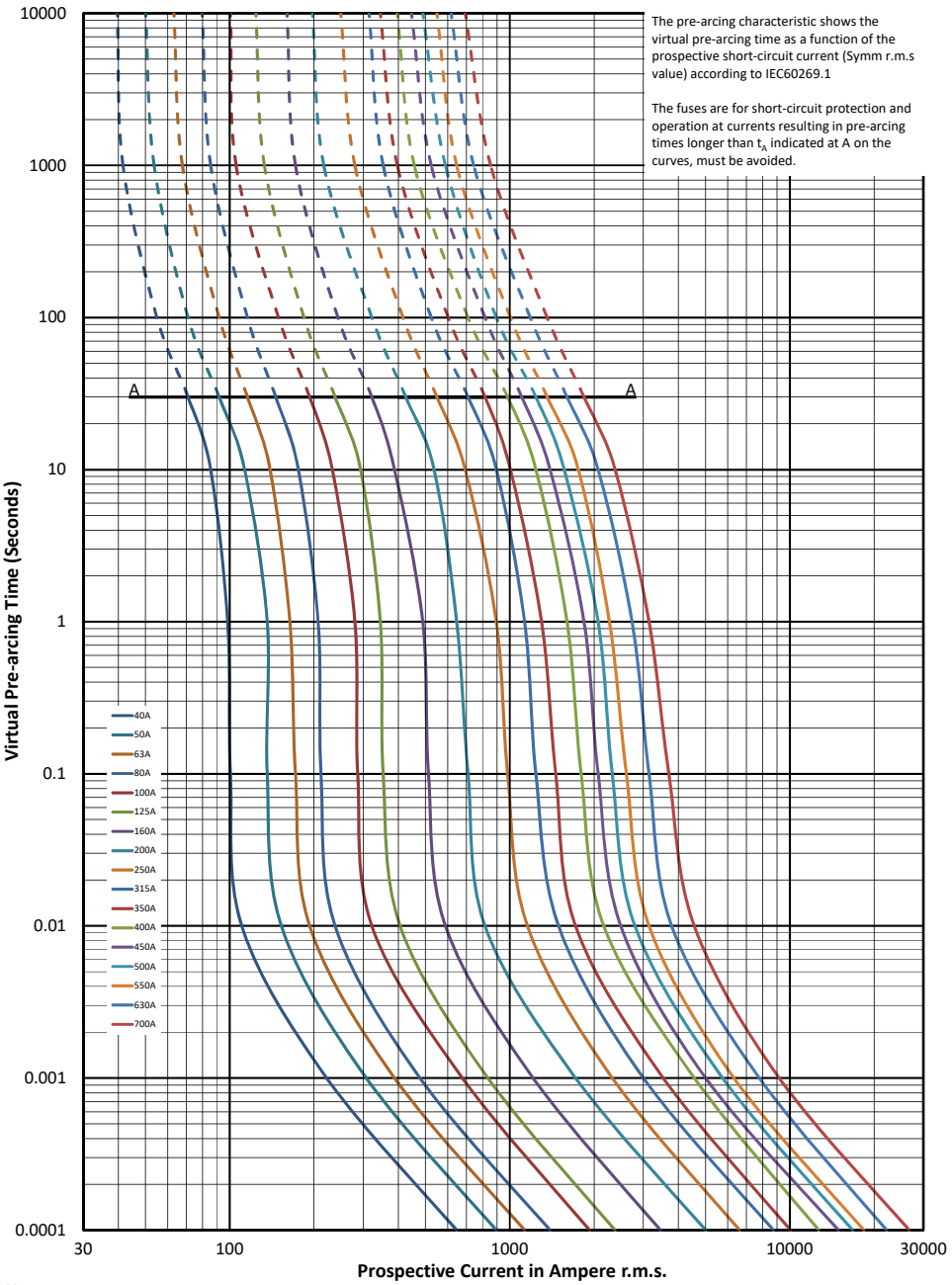


Data sheets: 170K6386 (Size 000 and 00), 170K6388 (Size 1), 170K6390 (Size 2), 170K6392 (Size 3)

Downloaded from Arrow.com.

690 V a.c. (IEC), 700 V a.c. (UL) - 10 A to 1600 A - Sizes 000 to 3 - DIN 43620 - Dual indicator - 170M

Time-current curve - Size 1, 40 A to 700 A



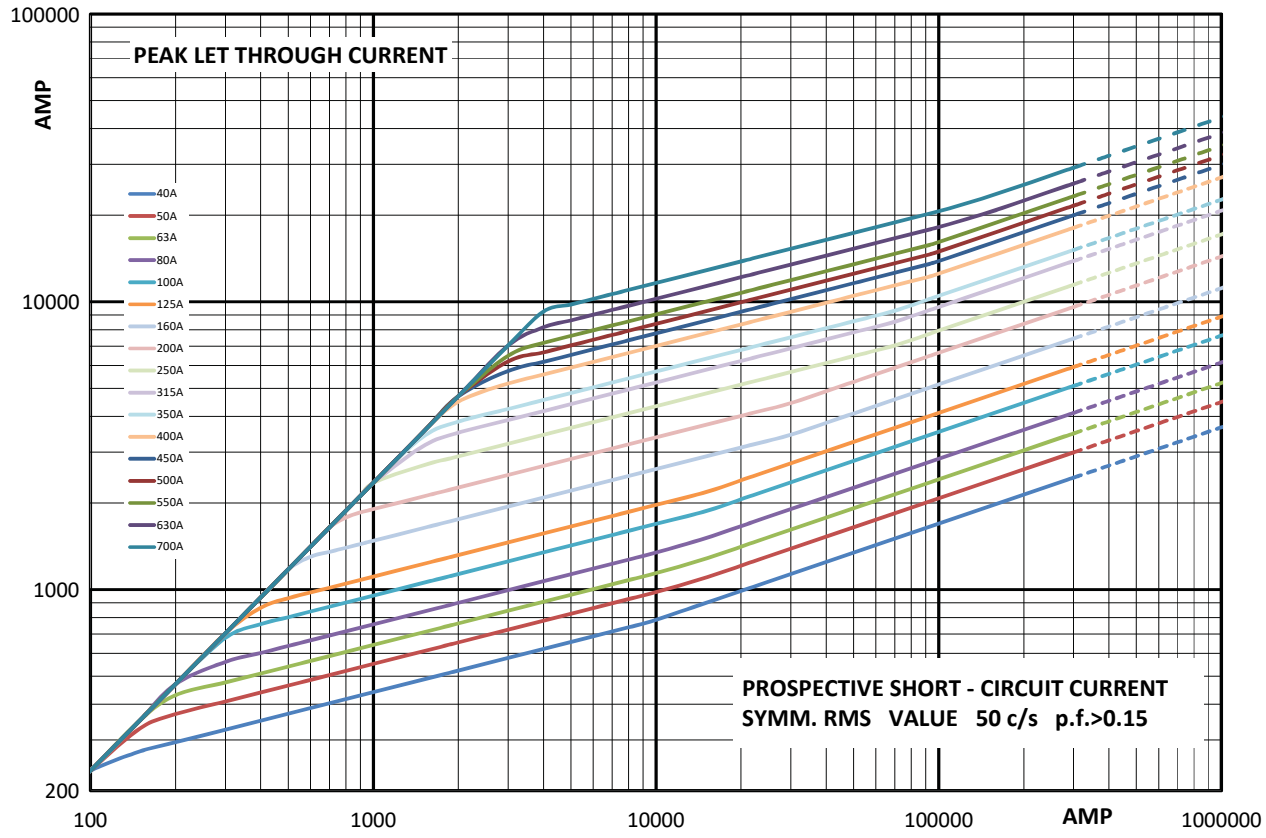
K_b = 0,6 N = 1,6

Data sheets: 170K6386 (Size 000 and 00), 170K6388 (Size 1), 170K6390 (Size 2), 170K6392 (Size 3)

Downloaded from Arrow.com.

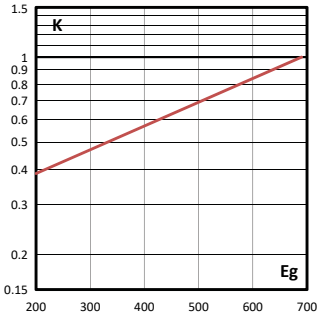
690 V a.c. (IEC), 700 V a.c. (UL) - 10 A to 1600 A - Sizes 000 to 3 - DIN 43620 - Dual indicator - 170M

Cut-off curve - Size 1, 40 A to 700 A



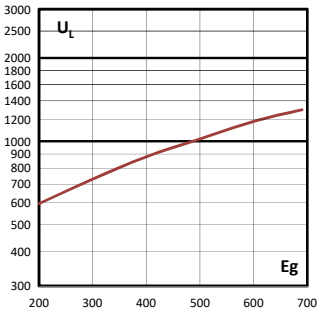
Total clearing I^2t

The total clearing I^2t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I^2t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



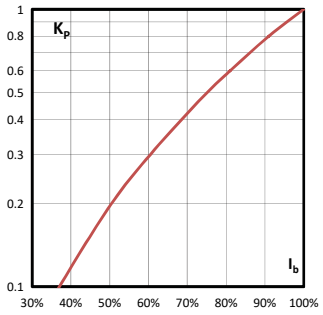
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.

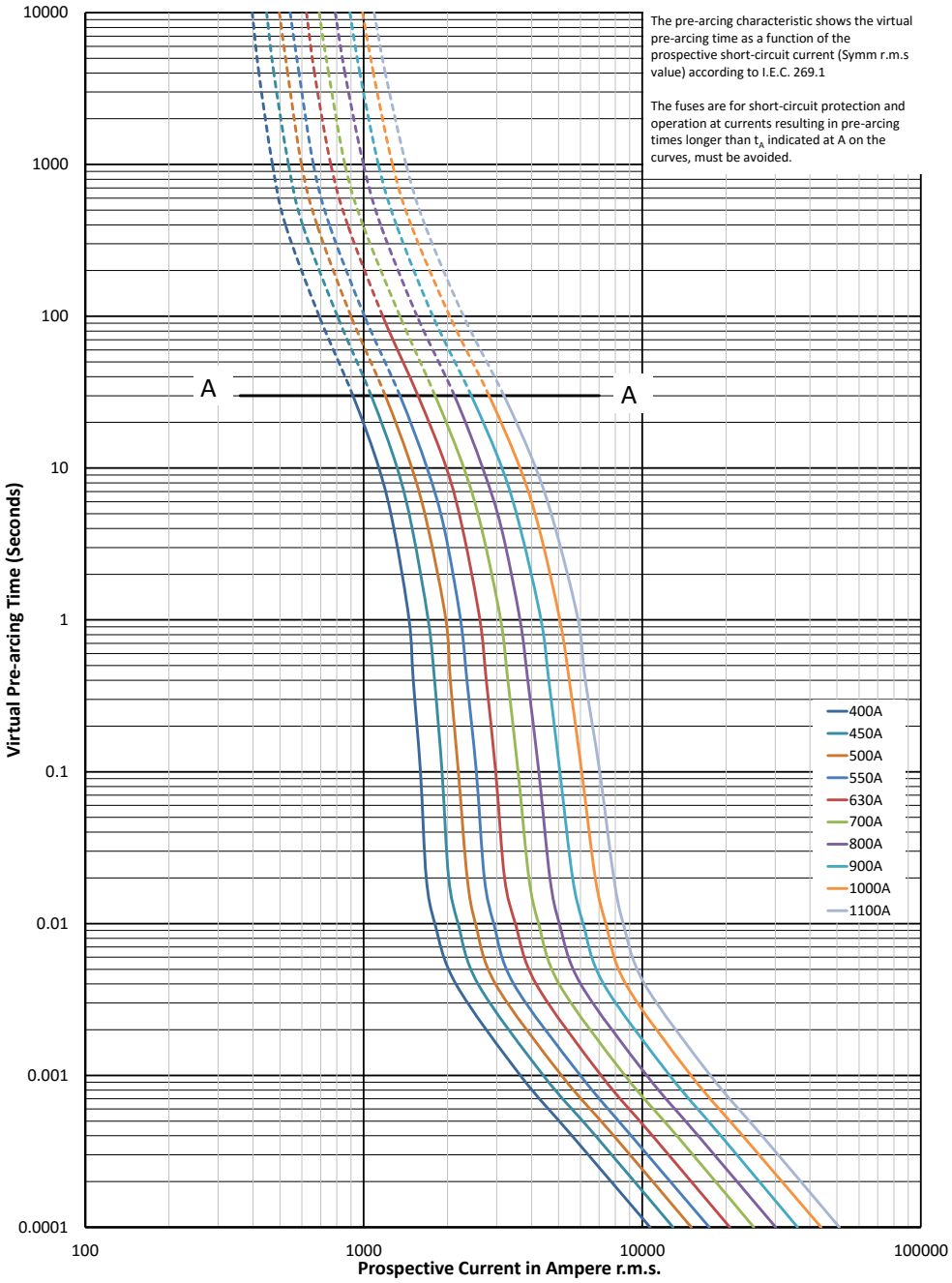


Data sheets: 170K6386 (Size 000 and 00), 170K6388 (Size 1), 170K6390 (Size 2), 170K6392 (Size 3)

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690 V a.c. (IEC), 700 V a.c. (UL) - 10 A to 1600 A - Sizes 000 to 3 - DIN 43620 - Dual indicator - 170M

Time-current curve - Size 2, 400 A to 1100 A



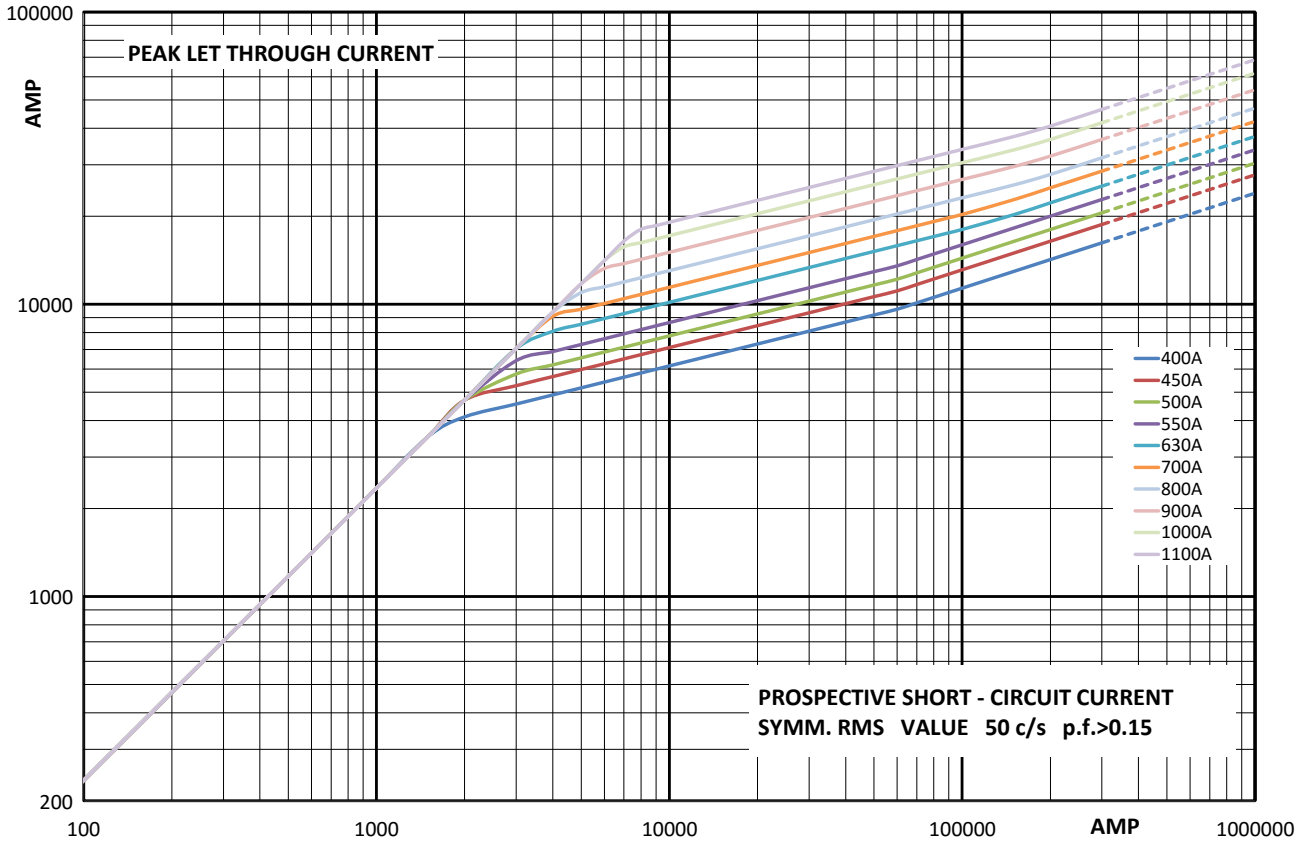
K_b = 0.6 N = 1.6

Data sheets: 170K6386 (Size 000 and 00), 170K6388 (Size 1), 170K6390 (Size 2), 170K6392 (Size 3)

Downloaded from Arrow.com.

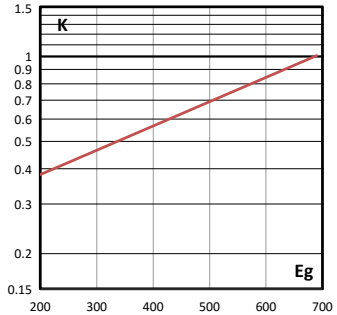
690 V a.c. (IEC), 700 V a.c. (UL) - 10 A to 1600 A - Sizes 000 to 3 - DIN 43620 - Dual indicator - 170M

Cut-off curve - Size 2, 400 A to 1100 A



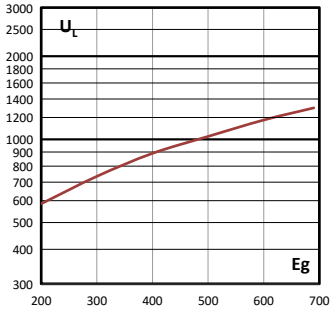
Total clearing I^2t

The total clearing I^2t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I^2t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



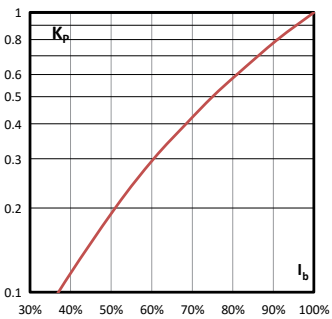
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.

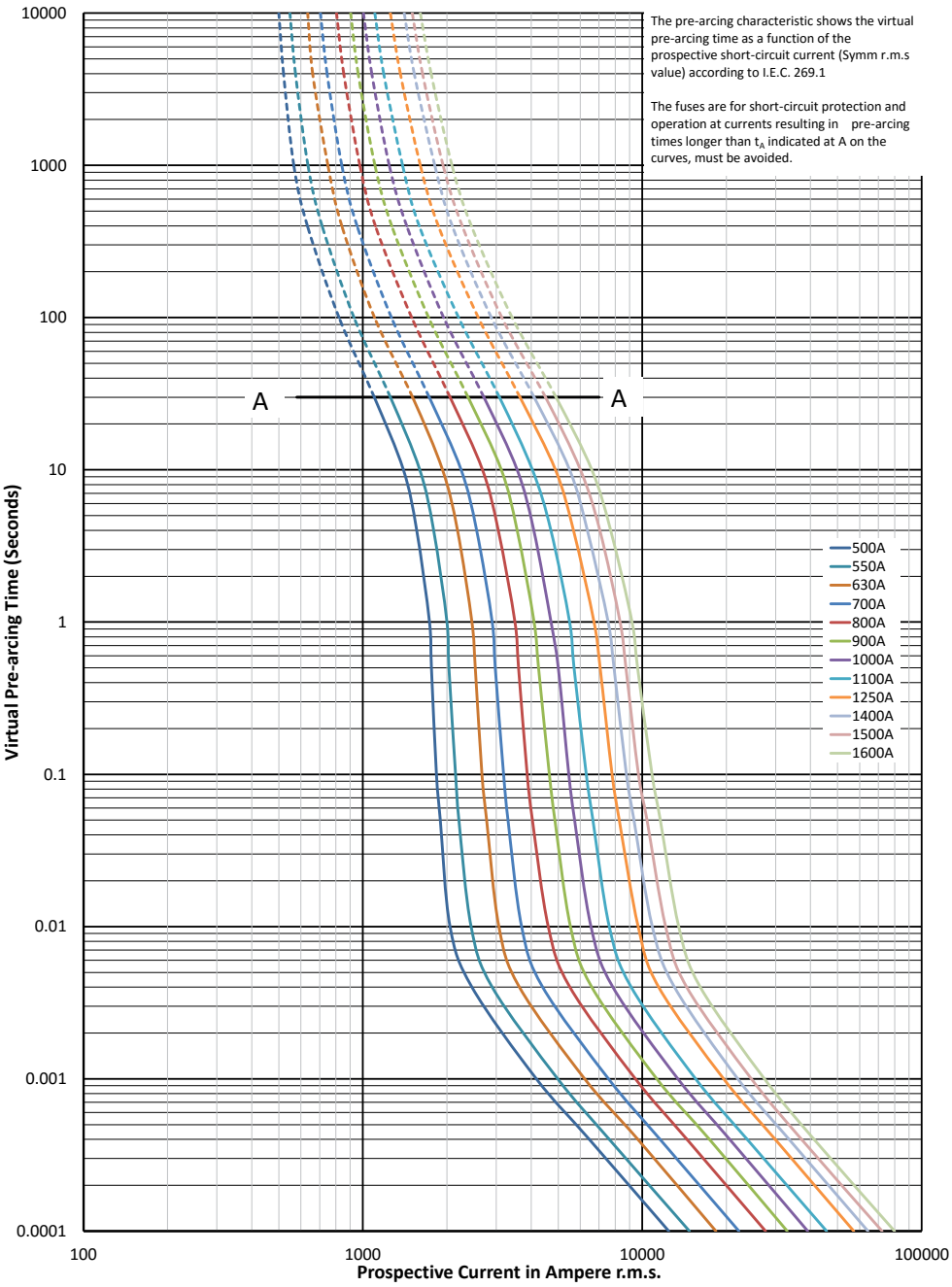


Data sheets: 170K6386 (Size 000 and 00), 170K6388 (Size 1), 170K6390 (Size 2), 170K6392 (Size 3)

Downloaded from Arrow.com.

690 V a.c. (IEC), 700 V a.c. (UL) - 10 A to 1600 A - Sizes 000 to 3 - DIN 43620 - Dual indicator - 170M

Time-current curve - Size 3, 500 A to 1600 A



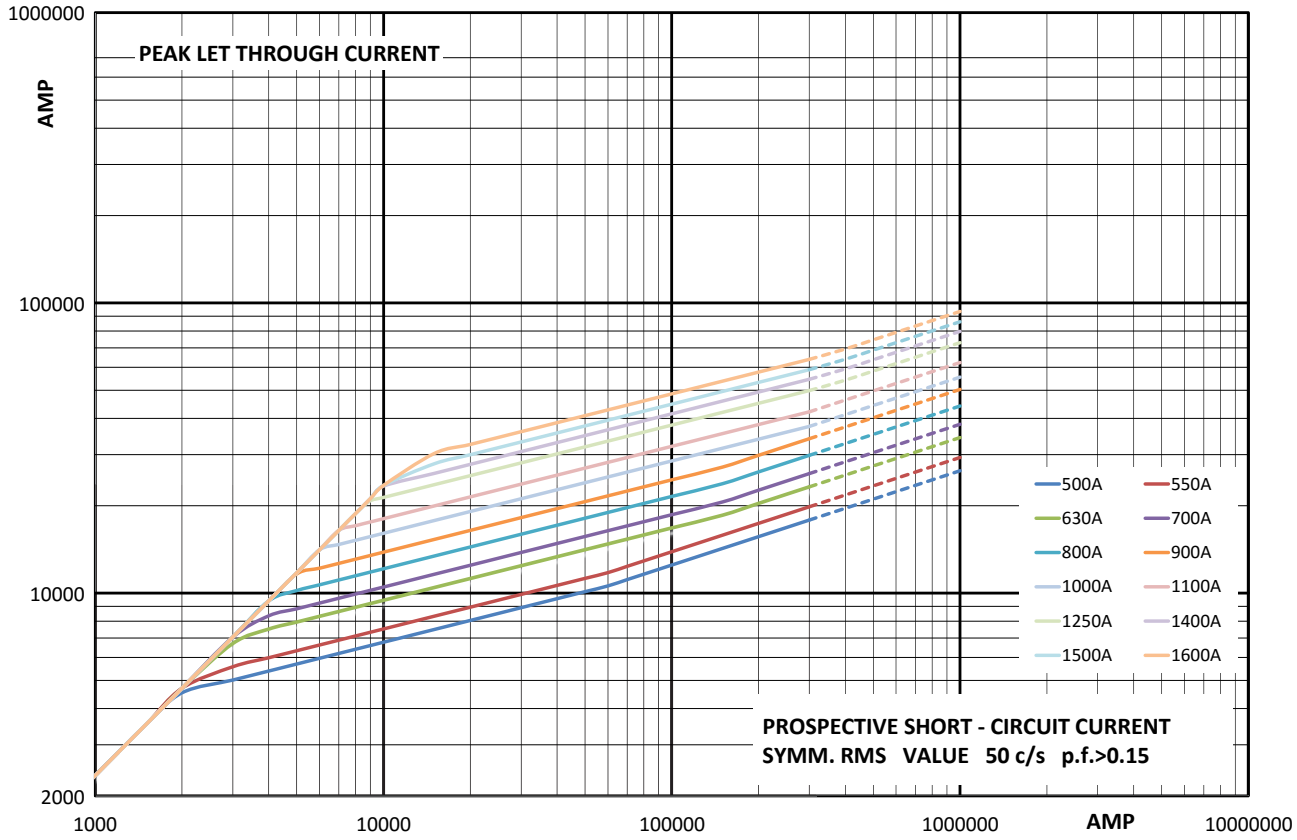
K_b = **0.6** **N** = **1.6**

Data sheets: 170K6386 (Size 000 and 00), 170K6388 (Size 1), 170K6390 (Size 2), 170K6392 (Size 3)

Downloaded from Arrow.com.

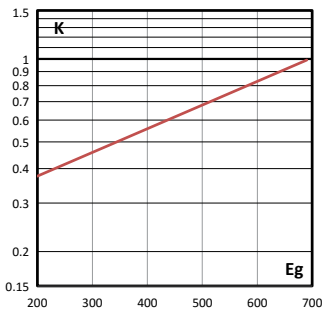
690 V a.c. (IEC), 700 V a.c. (UL) - 10 A to 1600 A - Sizes 000 to 3 - DIN 43620 - Dual indicator - 170M

Cut-off curve - Size 3, 500 A to 1600 A



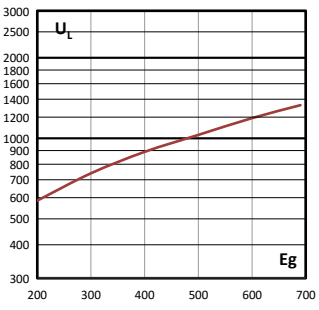
Total clearing I^2t

The total clearing I^2t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I^2t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



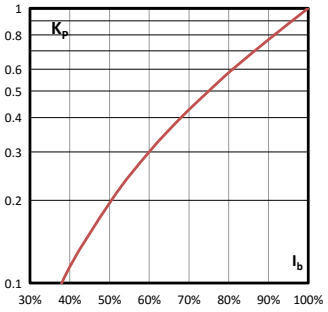
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.



Data sheets: 170K6386 (Size 000 and 00), 170K6388 (Size 1), 170K6390 (Size 2), 170K6392 (Size 3)

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Square body fuse links DIN 43620

1000 V a.c. (IEC and UL) - 20 A to 225 A - Size 00 - DIN 43620 - 170M

Description

Square body DIN 43620 blade style high speed fuse links for the protection of DC common bus, DC drives, power converters/rectifiers and reduced rated voltage starters.



Technical data

- Rated voltage:
  - 1000 V a.c. (IEC and UL)
  - 900 V a.c. (200 A and 225A)
- Rated current: 20 A to 225 A
- Breaking capacity: 125kA RMS Sym
- Operating class: aR

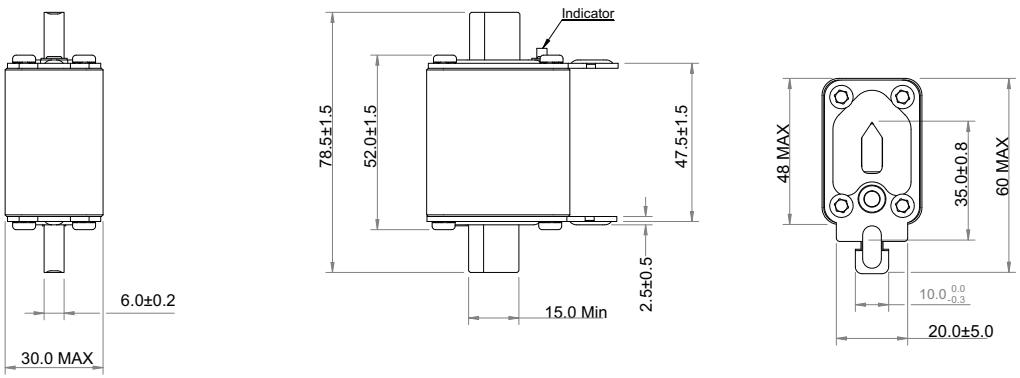
Standards / Agency information

CE, Designed and tested to IEC60269 Part 4, UL Recognised/CSA Component Acceptance status (20 A to 160 A)

Catalogue numbers

Fuse link body size	Rated voltage	Rated current Amps)	I^2t (A^2 Sec) Pre-arcing	I^2t (A^2 Sec) Clearing at 1000 V a.c.	Watts loss (W)	Catalogue numbers Type T indicator for micro
00	1000 V a.c. (IEC/UL)	20	15	110	8.5	170M2673
		25	28.5	210	9.5	170M2674
		32	53	390	11	170M2675
		35	69	500	12	170M2676
		40	105	760	13	170M2677
		50	215	1550	14	170M2678
		63	380	2750	16	170M2679
		80	815	5900	18	170M2680
		100	1550	11,500	21	170M2681
		125	3000	22,000	23	170M2682
		160	6250	45,000	26	170M2683
00	900 V a.c. (IEC)	200	12,000	86,500	31	170M2684
		225	18,000	115,000	33	170M2685

Dimensions (mm)

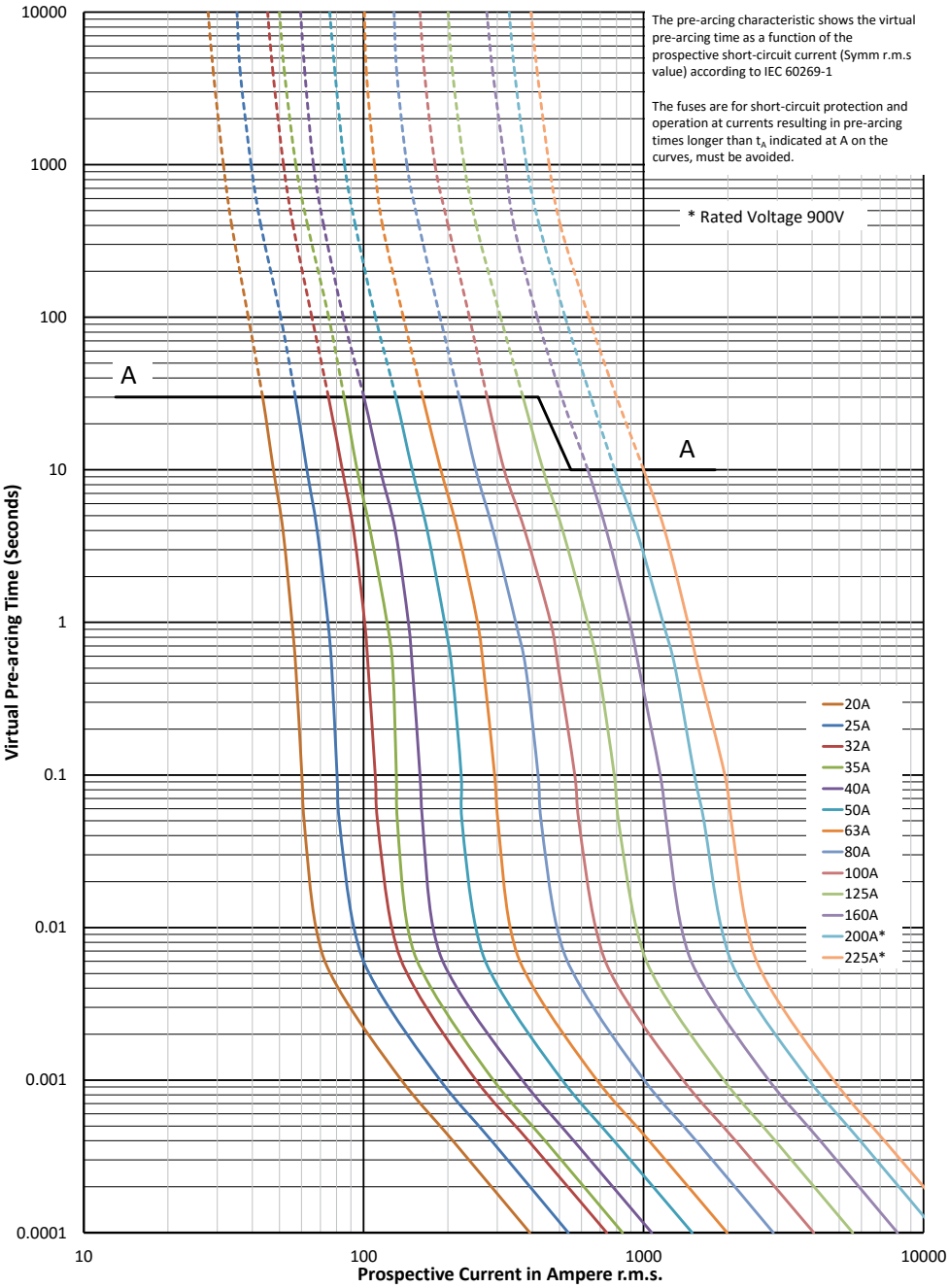


Data sheet: 170K8506

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1000 V a.c. (IEC and UL) - 20 A to 225 A - Size 00 - DIN 43620 - 170M

Time-current curve - Size 00, 20 A to 225 A



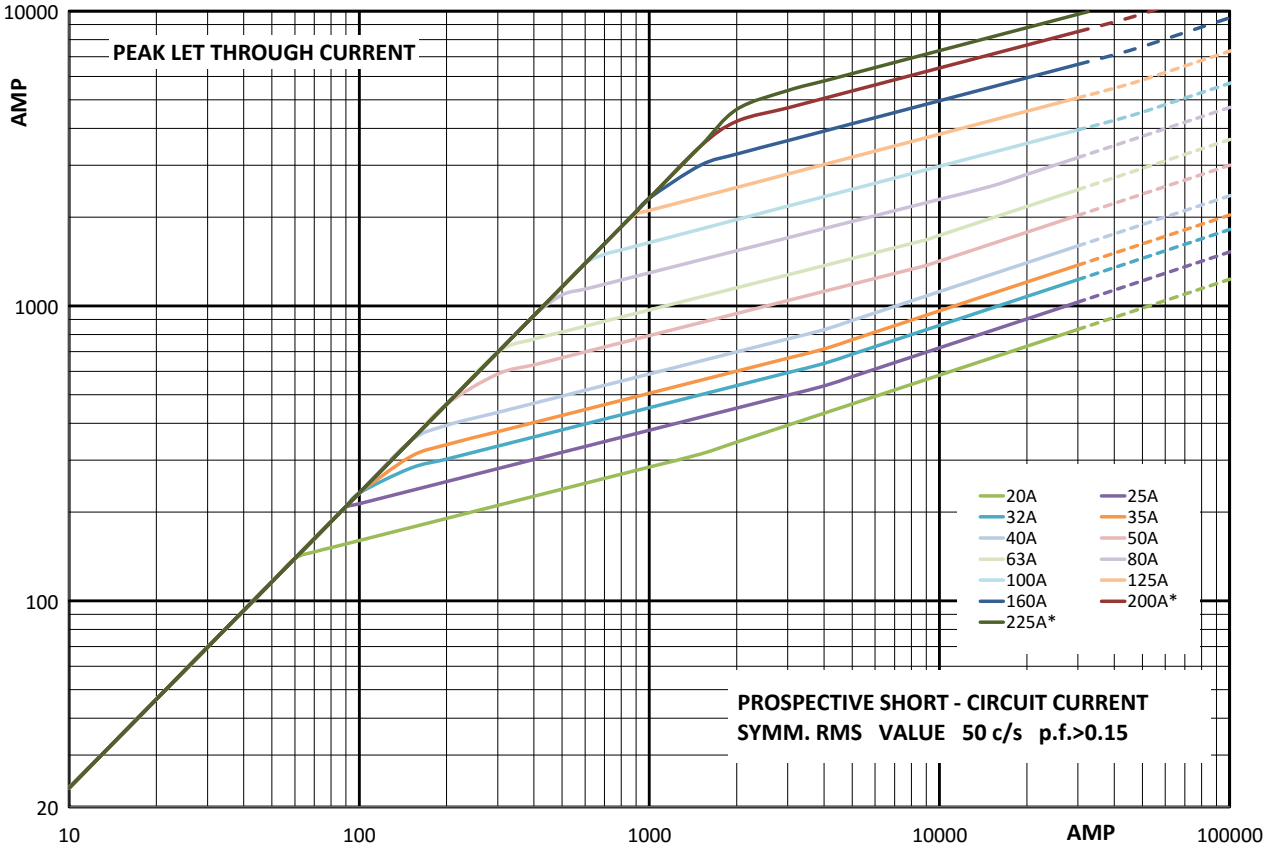
K_b = 1 N = 1.6

Data sheet: 170K8506

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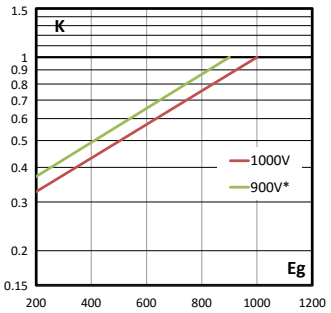
1000 V a.c. (IEC and UL) - 20 A to 225 A - Size 00 - DIN 43620 - 170M

Cut-off curve - Size 00, 20 A to 225 A



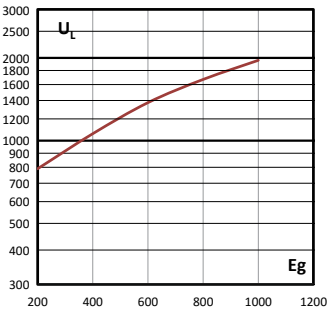
Total clearing I^2t

The total clearing I^2t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I^2t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



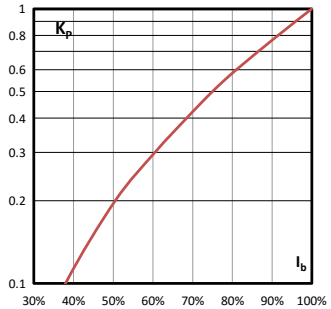
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.



Data sheet: 170K8506

Downloaded from Arrow.com.

690 V a.c. (IEC), 700 V a.c. (UL) - 40 A to 1600 A - Sizes 1* to 3 - French style - 170M

Description

Square body French style high speed fuse links for the protection of DC common bus, DC drives, power converters/rectifiers and reduced rated voltage starters.



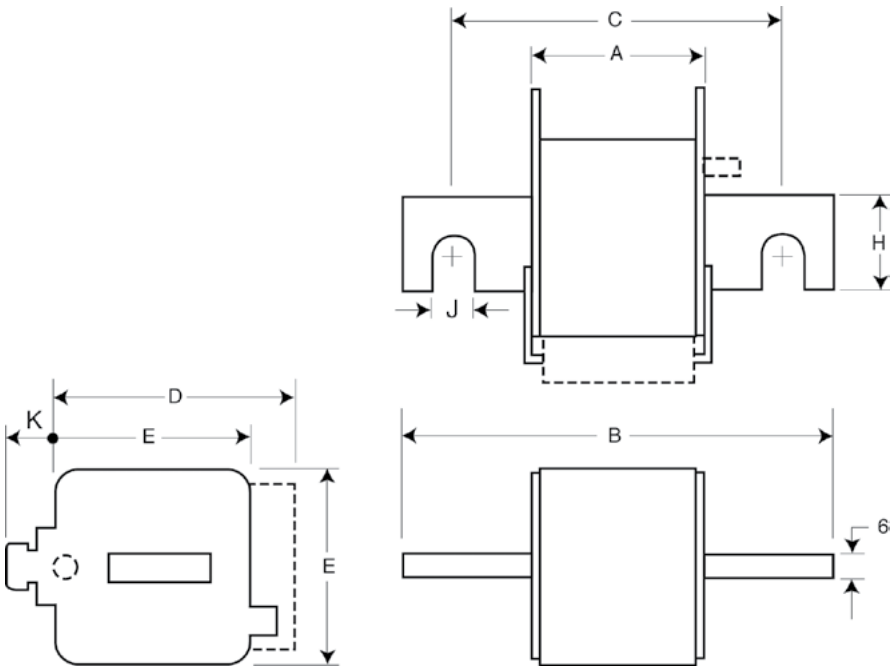
Technical data

- Rated voltage:
  - 690 V a.c. (IEC)
  - 700 V a.c. (UL)
- Rated current: 40 A to 1600 A
- Breaking capacity: 200 kA RMS Sym
- Operating class: aR

Standards / Agency information

CE, Designed and tested to IEC60269 Part 4, UL Recognised.
For CCC approval, please consult Eaton bulehighspeedtechnical@eaton.com

Dimensions (mm)



Size	A	B	C	D	E	H	J	K
1*	50	102	76	59	45	18	9	13
1	50	111	86	69	53	25	11	11
2	51	126	91	77	61	30	13	12
3	51	126	91	92	76	36	13	13

Data sheets: 170K6314 (Size 1*), 170K6316 (Size 1), 170K6318 (Size 2), 170K6320 (Size 3)

Downloaded from Arrow.com.

Square body fuse links French style

690 V a.c. (IEC), 700 V a.c. (UL) - 40 A to 1600 A - Sizes 1* to 3 - French style - 170M

Catalogue numbers

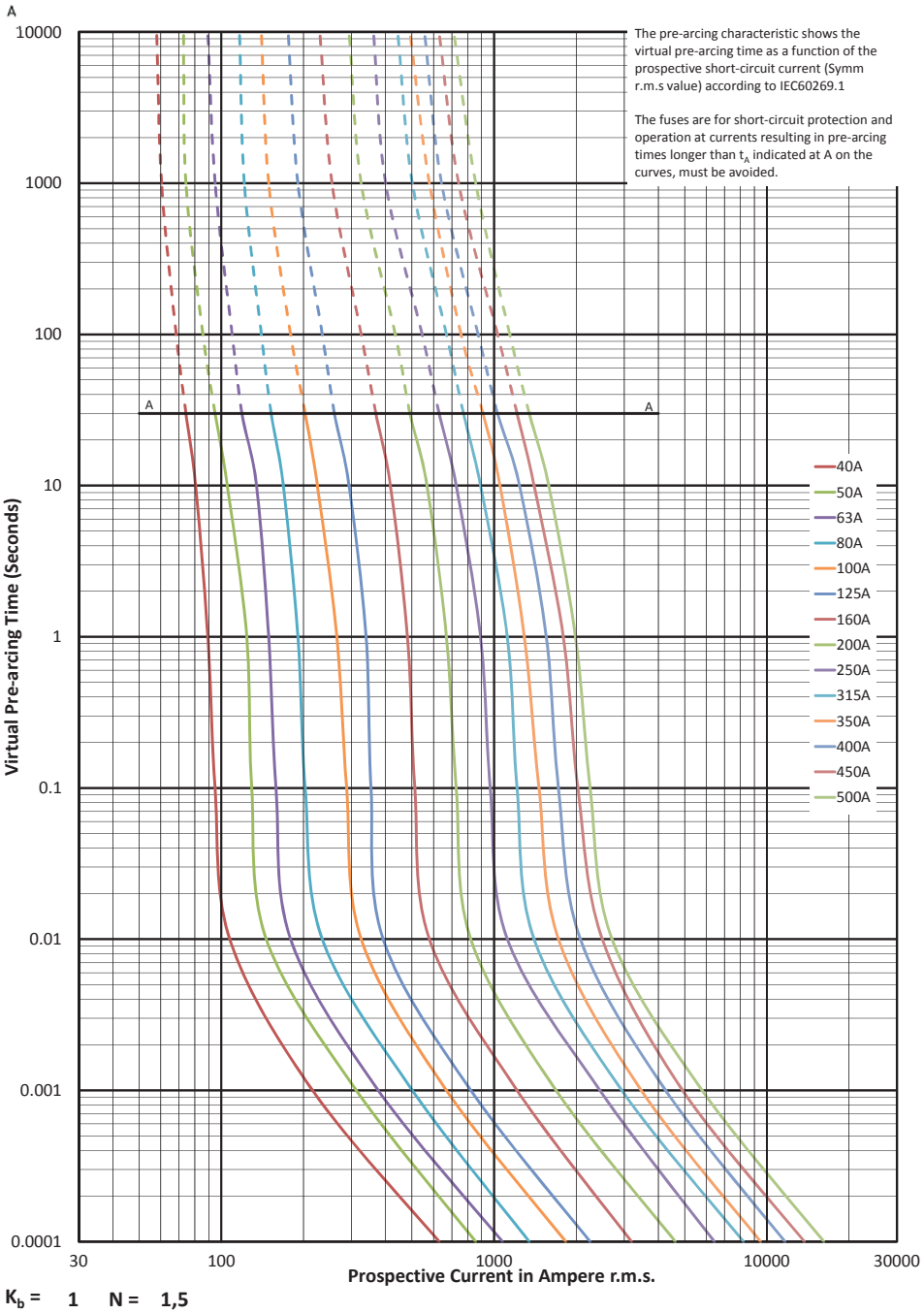
Fuse link body size	Rated voltage	Rated current (Amps)	I²t (A² Sec) Pre-arcing	I²t (A² Sec) Clearing at 660 V a.c.	Watts loss (W)	Catalogue numbers -E/- Type T indicator for micro	Catalogue numbers -EKN/- Type K indicator for micro
1*	690 V a.c. (IEC) 700 V a.c.(UL)	40	40	270	9	170M3308	170M3358
		50	77	515	11	170M3309	170M3359
		63	115	770	14	170M3310	170M3360
		80	185	1250	18	170M3311	170M3361
		100	360	2450	21	170M3312	170M3362
		125	550	3700	26	170M3313	170M3363
		160	1100	7500	30	170M3314	170M3364
		200	2200	15,000	35	170M3315	170M3365
		250	4200	28,500	40	170M3316	170M3366
		315	7000	46,500	50	170M3317	170M3367
		350	10,000	68,500	55	170M3318	170M3368
		400	15,000	105,000	60	170M3319	170M3369
		450	21,000	140,000	65	170M3320	170M3370
		500	27,000	180,000	70	170M3321	170M3371
1	690 V a.c. (IEC) 700 V a.c.(UL)	200	1650	11,500	45	170M4308	170M4358
		250	3100	21,000	55	170M4309	170M4359
		315	6200	42,000	58	170M4310	170M4360
		350	8500	59,000	60	170M4311	170M4361
		400	13,500	91,500	65	170M4312	170M4362
		450	17,000	120,000	70	170M4313	170M4363
		500	25,000	170,000	72	170M4314	170M4364
		550	34,000	230,000	75	170M4315	170M4365
		630	52,000	350,000	80	170M4316	170M4366
		700	69,500	465,000	85	170M4317	170M4367
		800	105,000	725,000	95	170M4318	170M4368
2	690 V a.c. (IEC) 700 V a.c.(UL)	400	11,000	74,000	65	170M5308	170M5358
		450	15,500	105,000	70	170M5309	170M5359
		500	21,500	145,000	75	170M5310	170M5360
		550	28,000	190,000	80	170M5311	170M5361
		630	41,000	275,000	90	170M5312	170M5362
		700	60,500	405,000	95	170M5313	170M5363
		800	86,000	575,000	105	170M5314	170M5364
		900	125,000	840,000	110	170M5315	170M5365
		1000	180,000	1,250,000	115	170M5316	170M5366
3	690 V a.c. (IEC) 700 V a.c.(UL)	500	14,000	95,000	95	170M6308	170M6358
		550	19,500	135,000	100	170M6309	170M6359
		630	31,000	210,000	105	170M6310	170M6360
		700	44,500	300,000	110	170M6311	170M6361
		800	69,500	465,000	115	170M6312	170M6362
		900	100,000	670,000	120	170M6313	170M6363
		1000	140,000	945,000	125	170M6314	170M6364
		1100	190,000	1,300,000	130	170M6315	170M6365
		1250	290,000	1,950,000	140	170M6316	170M6366
		1400	370,000	2,450,000	155	170M6317	170M6367
		1500	460,000	3,100,000	160	170M6318	170M6368
		1600	580,000	3,900,000	160	170M6319	170M6369

Data sheets: 170K6314 (Size 1*), 170K6316 (Size 1), 170K6318 (Size 2), 170K6320 (Size 3)

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690 V a.c. (IEC), 700 V a.c. (UL) - 40 A to 1600 A - Sizes 1* to 3 - French style - 170M

Time-current curve - Size 1*, 40 A to 500 A



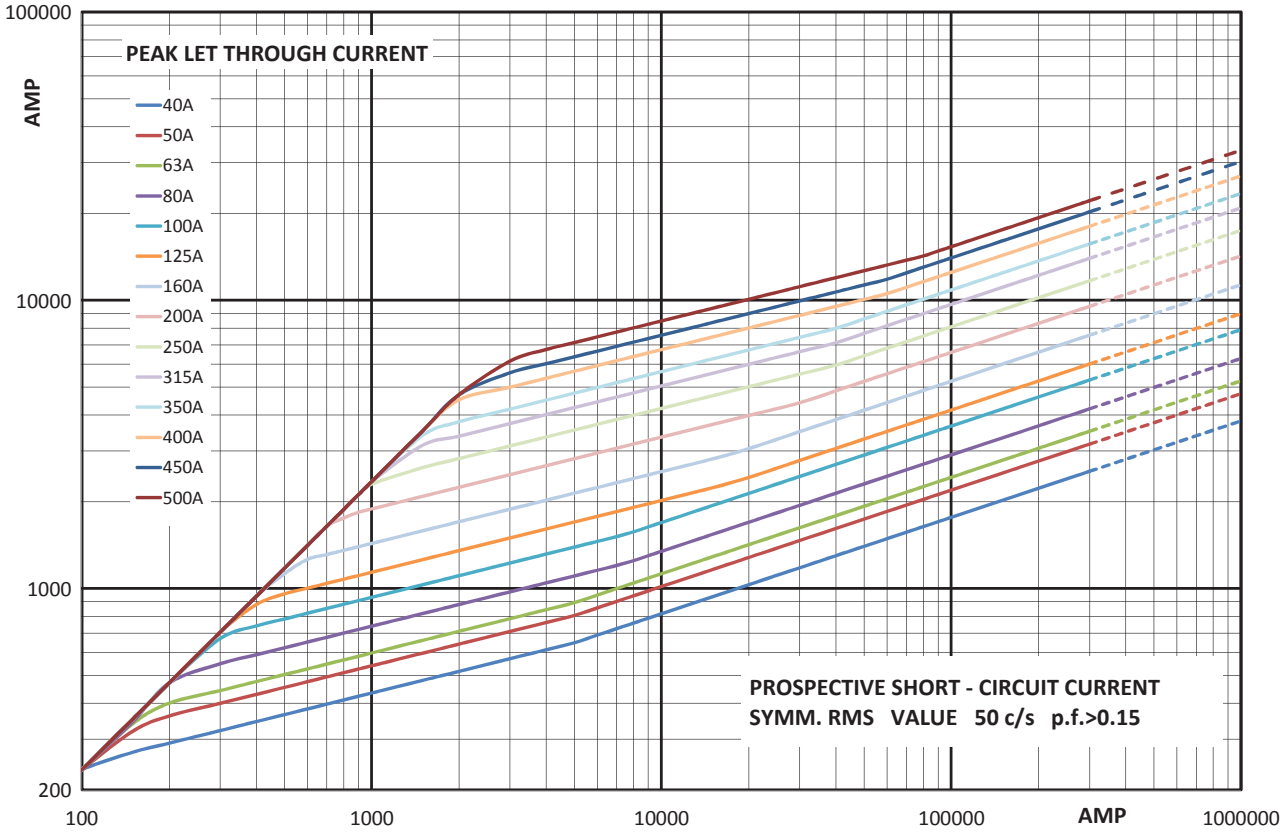
K_b = 1 N = 1,5

Data sheets: 170K6314 (Size 1*), 170K6316 (Size 1), 170K6318 (Size 2), 170K6320 (Size 3)

Downloaded from Arrow.com.

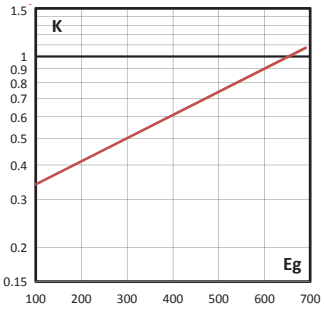
690 V a.c. (IEC), 700 V a.c. (UL) - 40 A to 1600 A - Sizes 1* to 3 - French style - 170M

Cut-off curve - Size 1*, 40 A to 500 A



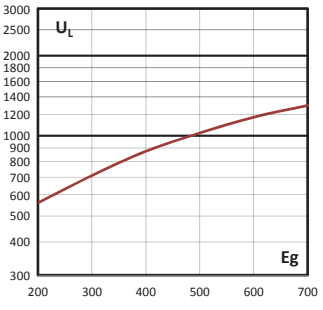
Total clearing I^2t

The total clearing I^2t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I^2t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



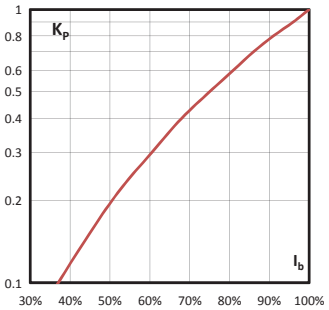
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.

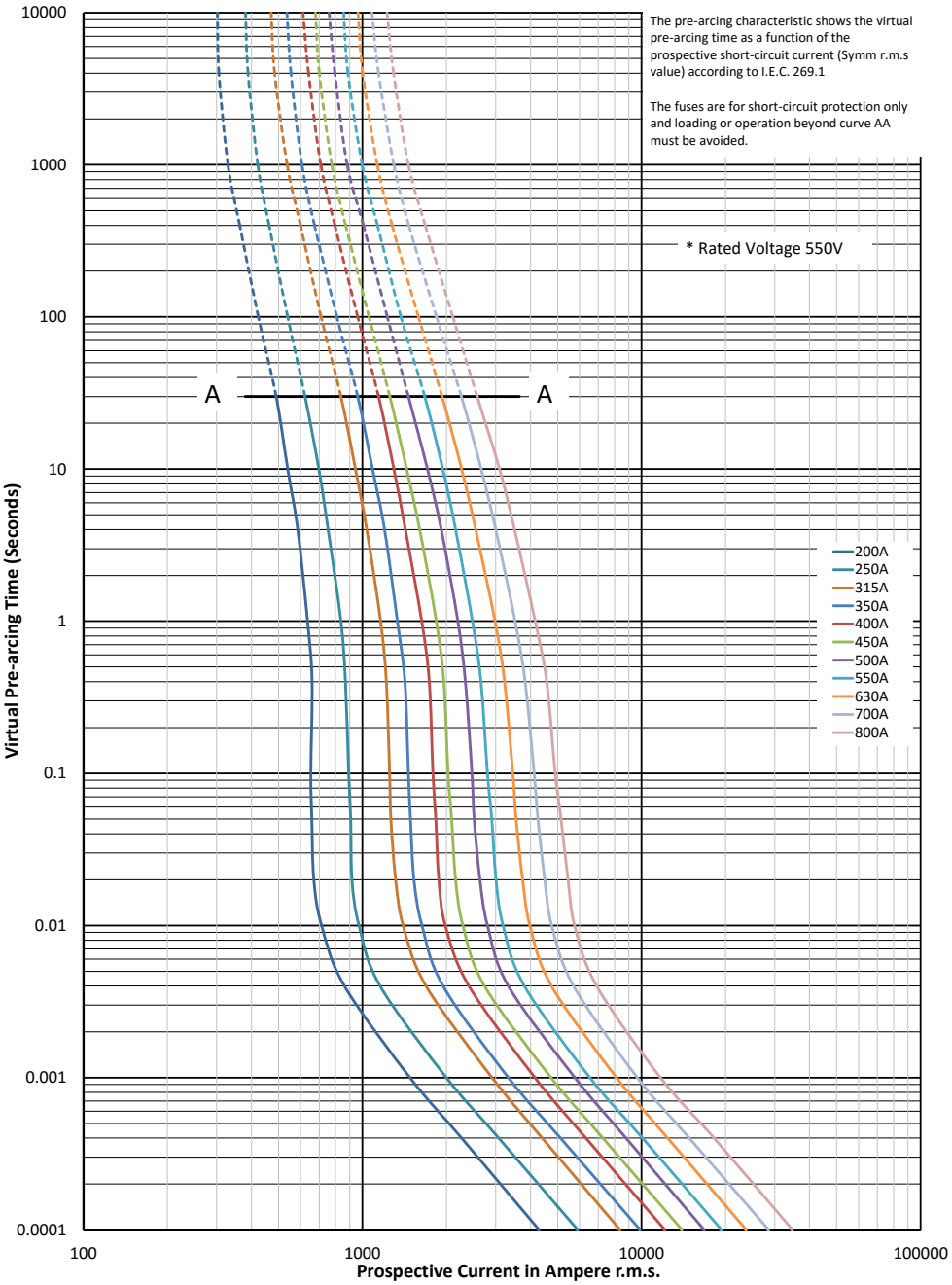


Data sheets: 170K6314 (Size 1*), 170K6316 (Size 1), 170K6318 (Size 2), 170K6320 (Size 3)

Downloaded from Arrow.com.

690 V a.c. (IEC), 700 V a.c. (UL) - 40 A to 1600 A - Sizes 1* to 3 - French style - 170M

Time-current curve - Size 1, 200 A to 800 A



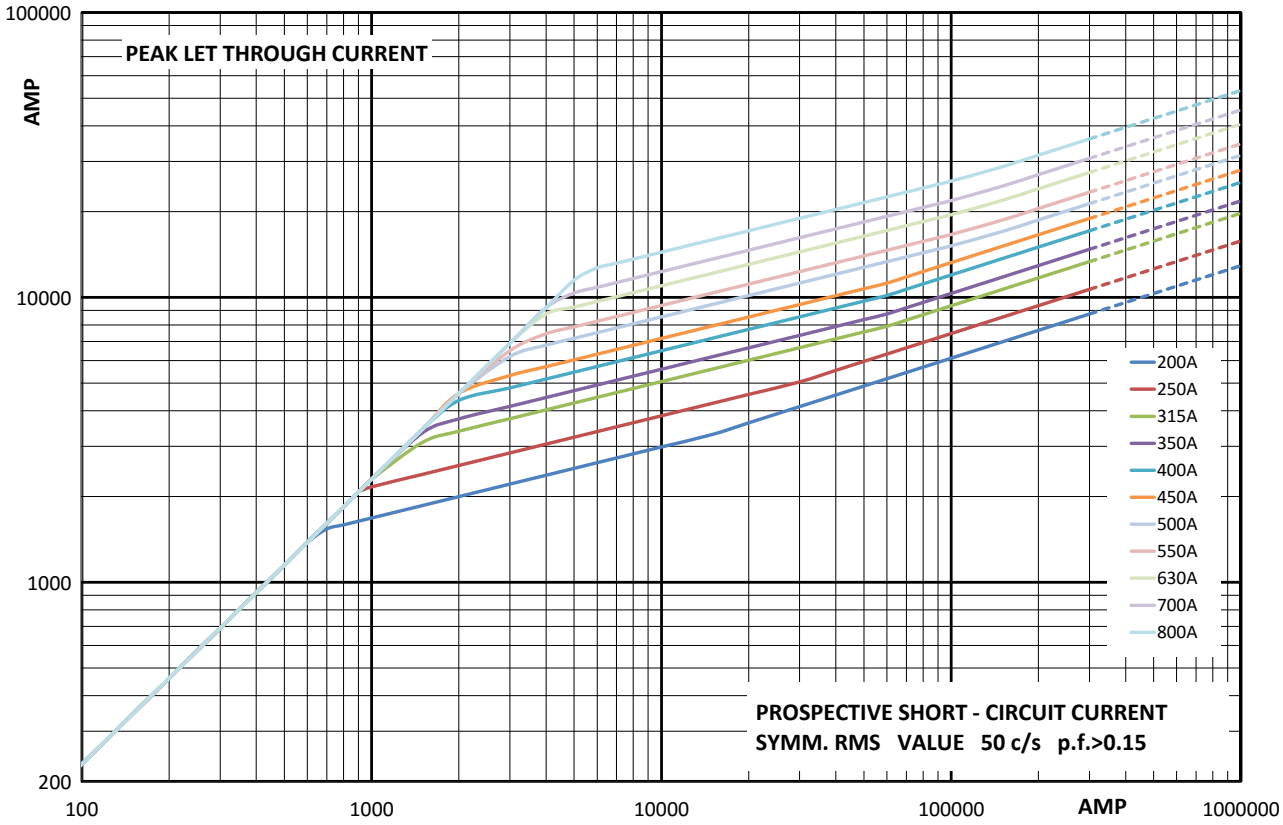
K_b = 1 N = 1.5

Data sheets: 170K6314 (Size 1*), 170K6316 (Size 1), 170K6318 (Size 2), 170K6320 (Size 3)

Downloaded from Arrow.com.

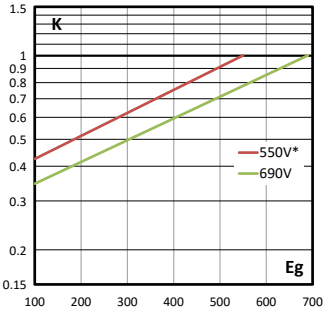
690 V a.c. (IEC), 700 V a.c. (UL) - 40 A to 1600 A - Sizes 1* to 3 - French style - 170M

Cut-off curve - Size 1, 200 A to 800 A



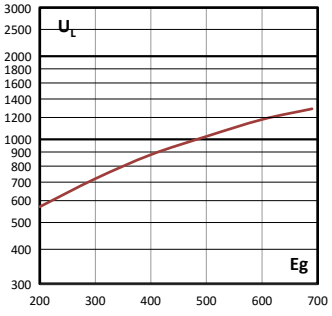
Total clearing I²t

The total clearing I²t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I²t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



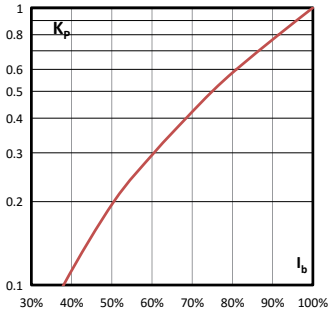
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p, is given as a function of the RMS load current, I_b, in percent of the rated current.

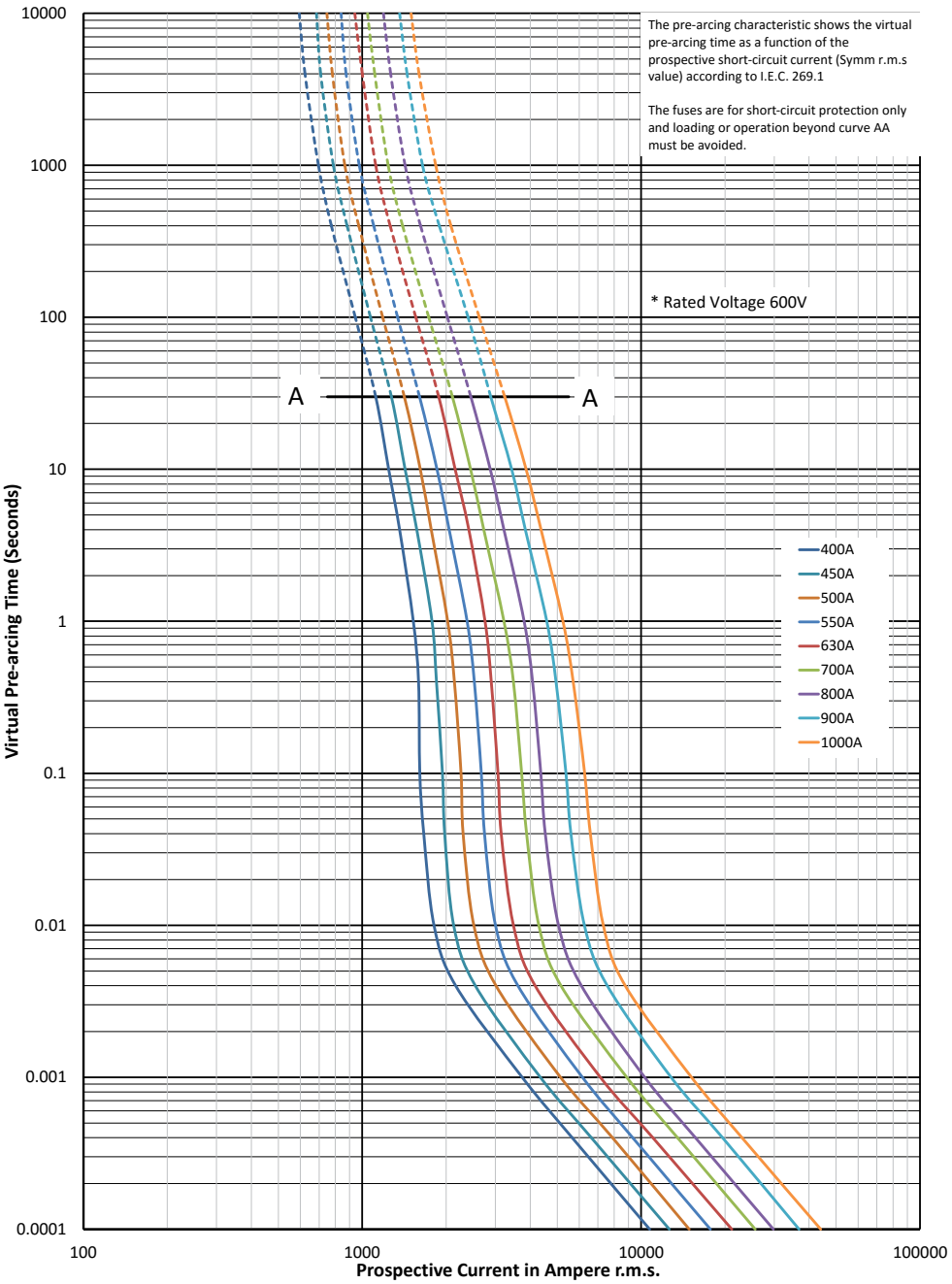


Data sheets: 170K6314 (Size 1*), 170K6316 (Size 1), 170K6318 (Size 2), 170K6320 (Size 3)

Downloaded from Arrow.com.

690 V a.c. (IEC), 700 V a.c. (UL) - 40 A to 1600 A - Sizes 1* to 3 - French style - 170M

Time-current curve - Size 2, 400 A to 1000 A



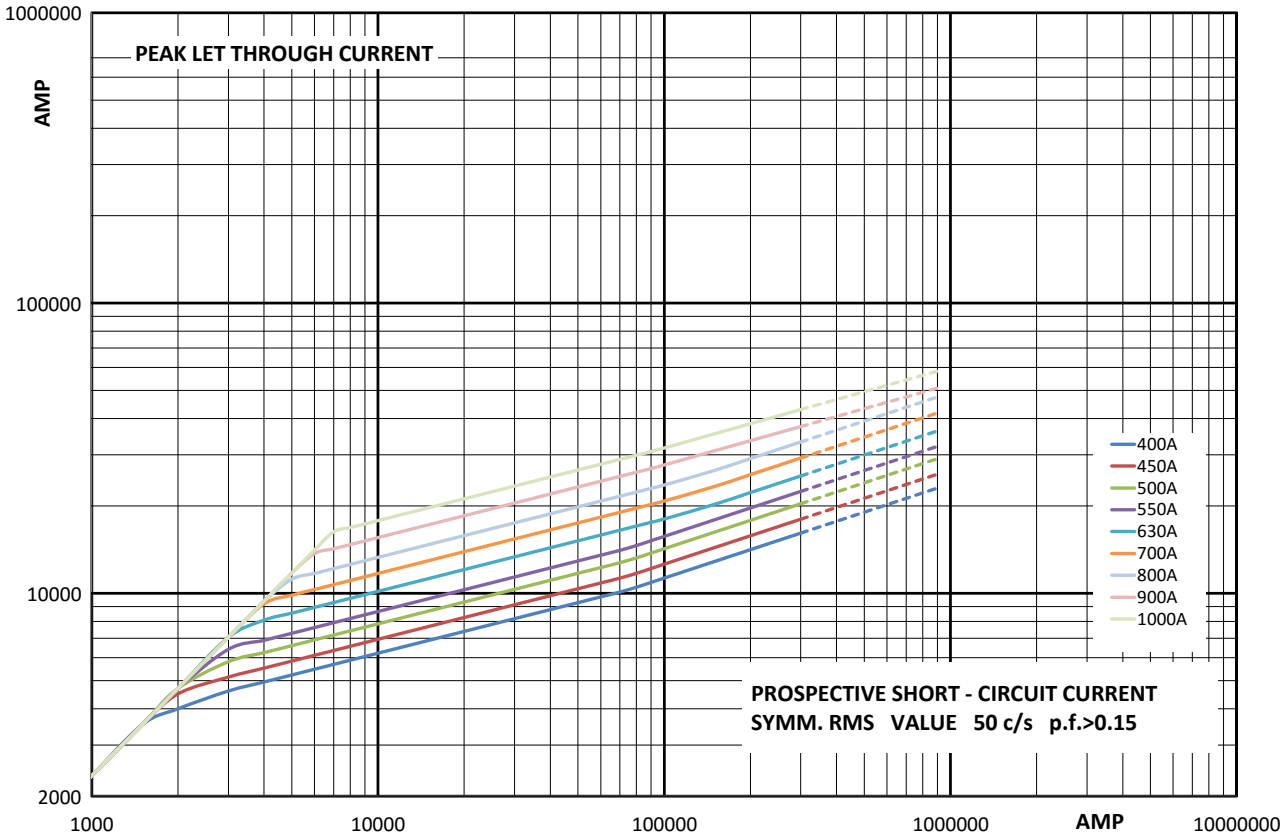
K_b = 1 N = 1.5

Data sheets: 170K6314 (Size 1*), 170K6316 (Size 1), 170K6318 (Size 2), 170K6320 (Size 3)

Downloaded from Arrow.com.

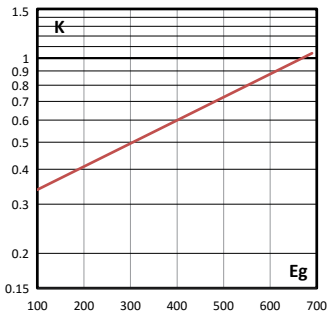
690 V a.c. (IEC), 700 V a.c. (UL) - 40 A to 1600 A - Sizes 1* to 3 - French style - 170M

Cut-off curve - Size 2, 400 A to 1000 A



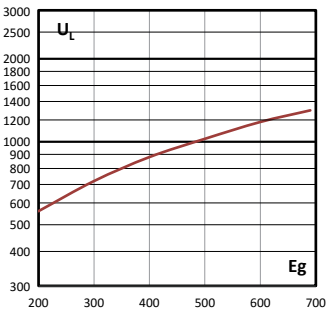
Total clearing I²t

The total clearing I²t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I²t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



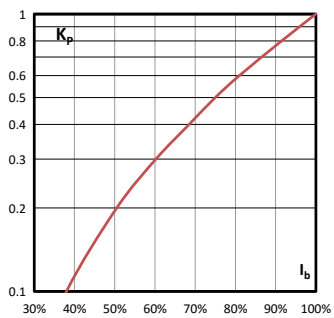
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.

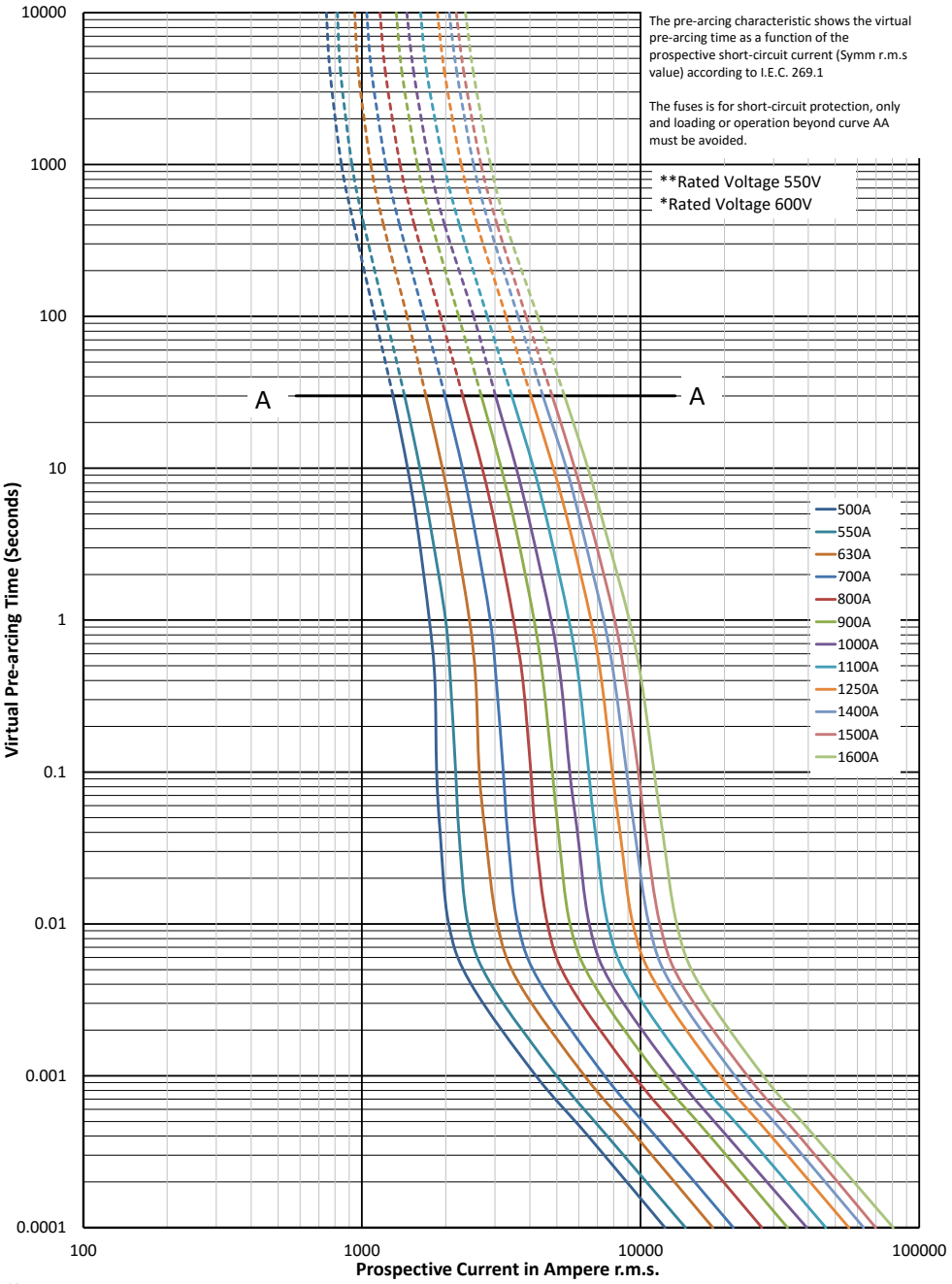


Data sheets: 170K6314 (Size 1*), 170K6316 (Size 1), 170K6318 (Size 2), 170K6320 (Size 3)

Downloaded from Arrow.com.

690 V a.c. (IEC), 700 V a.c. (UL) - 40 A to 1600 A - Sizes 1* to 3 - French style - 170M

Time-current curve - Size 3, 500 A to 1600 A



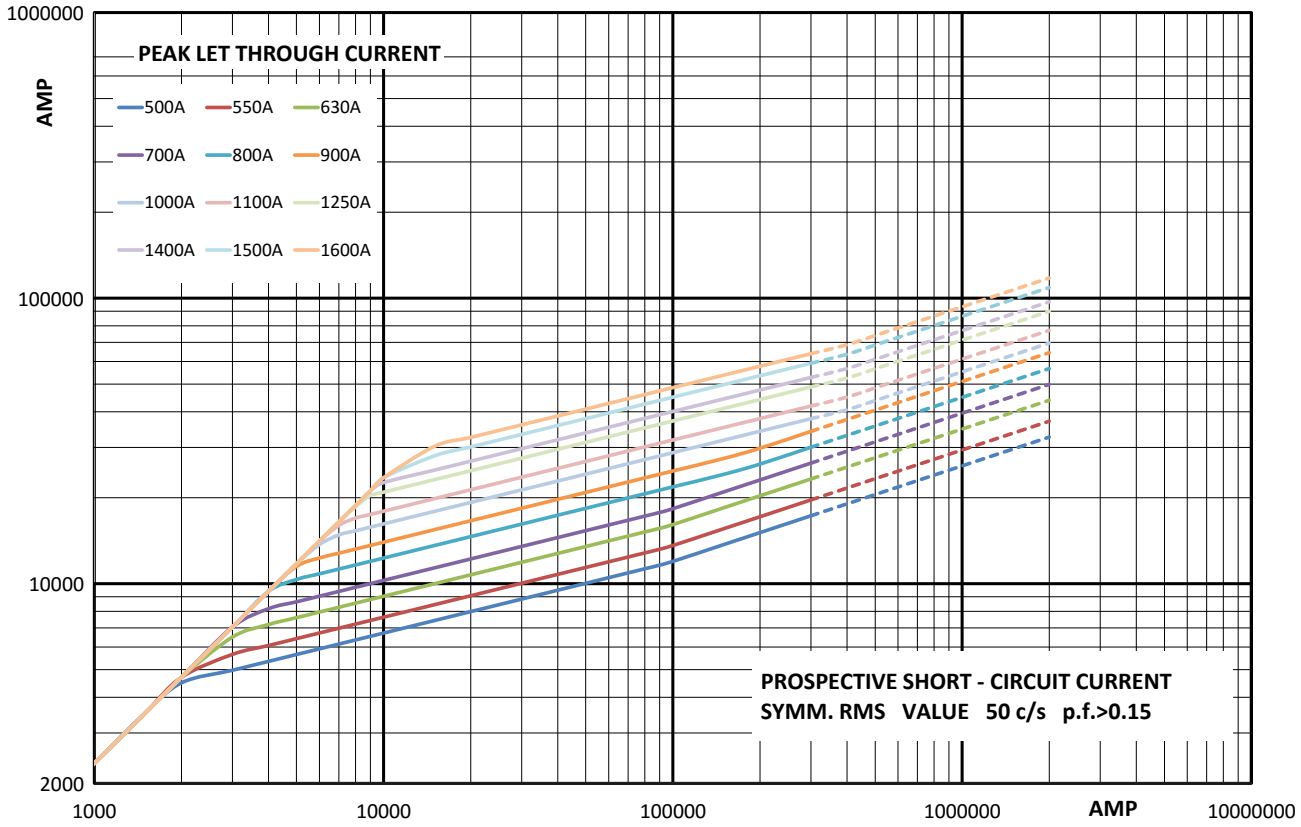
K_b = 1 N = 1.5

Data sheets: 170K6314 (Size 1*), 170K6316 (Size 1), 170K6318 (Size 2), 170K6320 (Size 3)

Downloaded from Arrow.com.

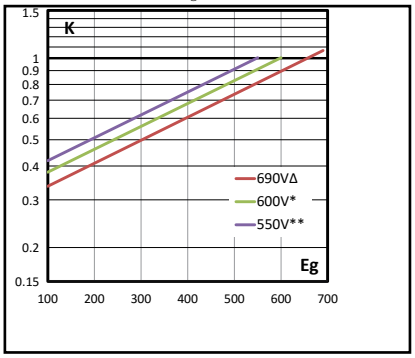
690 V a.c. (IEC), 700 V a.c. (UL) - 40 A to 1600 A - Sizes 1* to 3 - French style - 170M

Cut-off curve - Size 3, 500 A to 1600 A



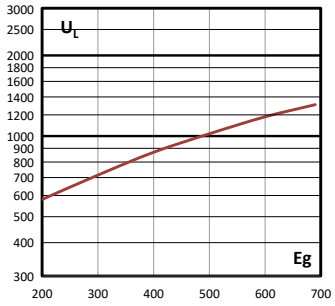
Total clearing I²t

The total clearing I²t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I²t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



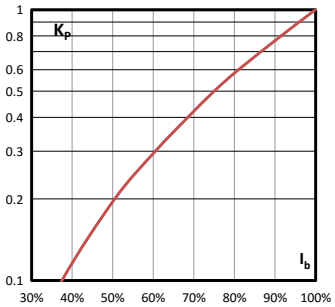
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.



Data sheets: 170K6314 (Size 1*), 170K6316 (Size 1), 170K6318 (Size 2), 170K6320 (Size 3)

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690 V a.c. (IEC), 700 V a.c. (UL) - 40 A to 2000 A - Sizes 1* to 3 - US style - 170M

Description

Square body US style bolted tags high speed fuse links for the protection of DC common bus, DC drives, power converters/rectifiers and reduced rated voltage starters.



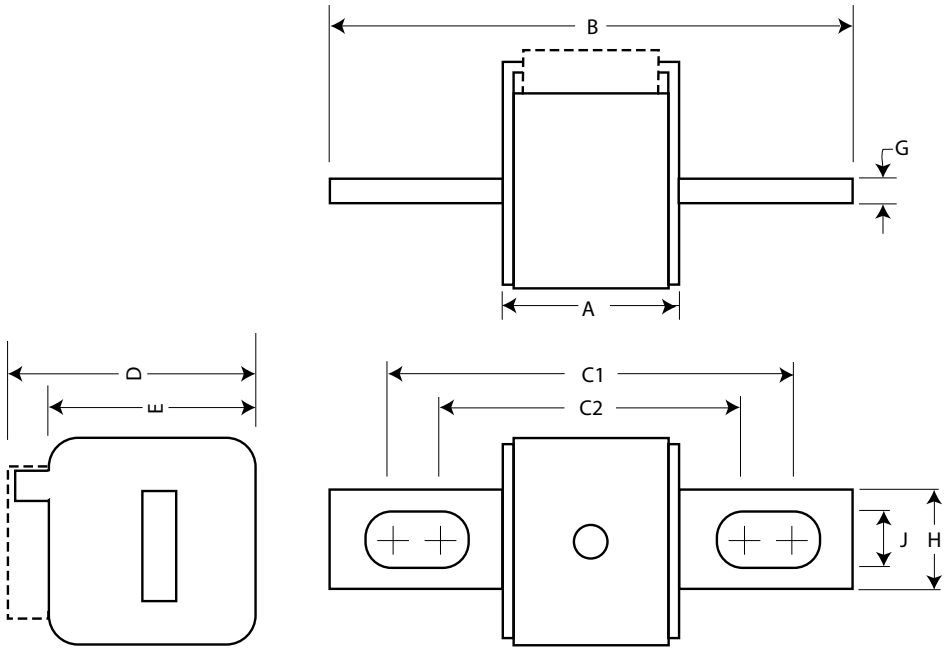
Technical data

- Rated voltage: see table page 159
- Rated current: 40 A to 2000 A
- Breaking capacity: 200 kA RMS Sym
- Operating class: aR

Standards / Agency information

CE, Designed and tested to IEC60269 Part 4. Consult Eaton for UL Recognition/CSA Component Acceptance status and CCC approvals

Dimensions (mm)



Size	A	B	B1	C1	C1[1]	C2	C2[1]	D	E	G	H	J
1*	50	110	148	85	123	72	110	59	45	6	20	10
1	50	136	157	104	126	78	100	69	53	6	25	14
2	50	135	159	105	125	78	99	77	61	6	25	14
3	51	135	155	106	125	77	97	92	76	6	36	16

[1] Valid for fuse links type -FU/115 & -FKE/115.
1mm = 0.0394"

Data sheets: 170K6314 (Size 1*), 170K6316 (Size 1), 170K6318 (Size 2), 170K6320 (Size 3)

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690 V a.c. (IEC), 700 V a.c. (UL) - 40 A to 2000 A - Sizes 1* to 3 - US style - 170M

			I²t (A² Sec)			Catalogue numbers			
Fuse link body size	Rated voltage	Rated current (Amps)	Pre-arcing	Clearing at 660 V a.c.	Watts loss (W)	-FU/- without indicator	-FKE/- Type K indicator for micro	-FU/115 without indicator	-FKE/115 Type K indicator for micro
1*	690 V a.c. (IEC) 700 V a.c. (UL)	40	40	270	9	170M3608	170M3658	170M3708	170M3758
		50	70	515	11	170M3609	170M3659	170M3709	170M3759
		63	115	770	14	170M3610	170M3660	170M3710	170M3760
		80	185	1250	18	170M3611	170M3661	170M3711	170M3761
		100	360	2450	21	170M3612	170M3662	170M3712	170M3762
		125	550	3700	26	170M3613	170M3663	170M3713	170M3763
		160	1100	7500	30	170M3614	170M3664	170M3714	170M3764
		200	2200	15,000	35	170M3615	170M3665	170M3715	170M3765
		250	4200	28,500	40	170M3616	170M3666	170M3716	170M3766
		315	7000	46,500	50	170M3617	170M3667	170M3717	170M3767
		350	10,000	68,500	55	170M3618	170M3668	170M3718	170M3768
		400	15,000	105,000	60	170M3619	170M3669	170M3719	170M3769
		450	21,000	140,000	65	170M3620	170M3670	170M3720	170M3770
		500	27,000	180,000	70	170M3621	170M3671	170M3721	170M3771
		550	34,000	230,000	75	170M3622	170M3672	170M3722	170M3772
		630	48,500	325,000	80	170M3623	170M3673	170M3723	170M3773
1	690 V a.c. (IEC) 700 V a.c. (UL)	200	1650	11,500	45	170M4608	170M4658	170M4708	170M4758
		250	3100	21,000	55	170M4609	170M4659	170M4709	170M4759
		315	6200	42,000	58	170M4610	170M4660	170M4710	170M4760
		350	8500	59,000	60	170M4611	170M4661	170M4711	170M4761
		400	13,500	91,500	65	170M4612	170M4662	170M4712	170M4762
		450	17,000	120,000	70	170M4613	170M4663	170M4713	170M4763
		500	25,000	170,000	72	170M4614	170M4664	170M4714	170M4764
		550	34,000	230,000	75	170M4615	170M4665	170M4715	170M4765
		630	52,000	350,000	80	170M4616	170M4666	170M4716	170M4766
		700	69,500	465,000	85	170M4617	170M4667	170M4717	170M4767
		800	105,000	725,000	95	170M4618	170M4668	170M4718	170M4768
	550 V a.c. (IEC)	900	155,000	850,000	100	170M4619	170M4669	170M4719	170M4769
2	690 V a.c. (IEC) 700 V a.c. (UL)	400	11,000	74,000	65	170M5608	170M5658	170M5708	170M5758
		450	15,500	105,000	70	170M5609	170M5659	170M5709	170M5759
		500	21,500	145,000	75	170M5610	170M5660	170M5710	170M5760
		550	28,000	190,000	80	170M5611	170M5661	170M5711	170M5761
		630	41,000	275,000	90	170M5612	170M5662	170M5712	170M5762
		700	60,500	405,000	95	170M5613	170M5663	170M5713	170M5763
		800	86,000	575,000	105	170M5614	170M5664	170M5714	170M5764
		900	125,000	840,000	110	170M5615	170M5665	170M5715	170M5765
		1000	180,000	1,250,000	115	170M5616	170M5666	170M5716	170M5766
	600 V a.c. (IEC) 700 V a.c. (UL)	1100	245,000	1,600,000	120	170M5617	170M5667	170M5717	170M5767
		1250	365,000	2,400,000	130	170M5618	170M5668	170M5718	170M5768

[1] 170M6670 600 V a.c. (UL)/550 V a.c. (IEC) [2] 170M6671 550 V a.c. (IEC and UL)

Data sheets: 170K6314 (Size 1*), 170K6316 (Size 1), 170K6318 (Size 2), 170K6320 (Size 3)

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690 V a.c. (IEC), 700 V a.c. (UL) - 40 A to 2000 A - Sizes 1* to 3 - US style - 170M

			I²t (A² Sec)			Catalogue numbers			
Fuse link body size	Rated voltage	Rated current (Amps)	Pre-arcing	Clearing at 660 V a.c.	Watts loss (W)	-FU/- without indicator	-FKE/- Type K indicator for micro	-FU/115 without indicator	-FKE/115 Type K indicator for micro
3	690 V a.c. (IEC) 700 V a.c. (UL)	500	14,000	95,000	95	170M6608	170M6658	170M6708	170M6758
		550	19,500	135,000	100	170M6609	170M6659	170M6709	170M6759
		630	31,000	210,000	105	170M6610	170M6660	170M6710	170M6760
		700	44,500	300,000	110	170M6611	170M6661	170M6711	170M6761
		800	69,500	465,000	115	170M6612	170M6662	170M6712	170M6762
		900	100,000	670,000	120	170M6613	170M6663	170M6713	170M6763
		1000	140,000	945,000	125	170M6614	170M6664	170M6714	170M6764
		1100	190,000	1,300,000	130	170M6615	170M6665	170M6715	170M6765
		1250	290,000	1,950,000	140	170M6616	170M6666	170M6716	170M6766
		1400	370,000	2,450,000	155	170M6617	170M6667	170M6717	170M6767
		1500	460,000	3,100,000	160	170M6618	170M6668	170M6718	170M6768
		1600	580,000	3,900,000	160	170M6619	170M6669	170M6719	170M6769
	600 V a.c. (IEC) 550 V a.c. (UL)	1800	880,000	5,250,000	165	170M6620[3]	170M6670[1]	170M6720[3]	170M6770
	550 V a.c.(IEC) 500 V a.c. (UL)	2000	1,150,000	6,350,000	175	170M6621	170M6671[2]	170M6721	170M6771

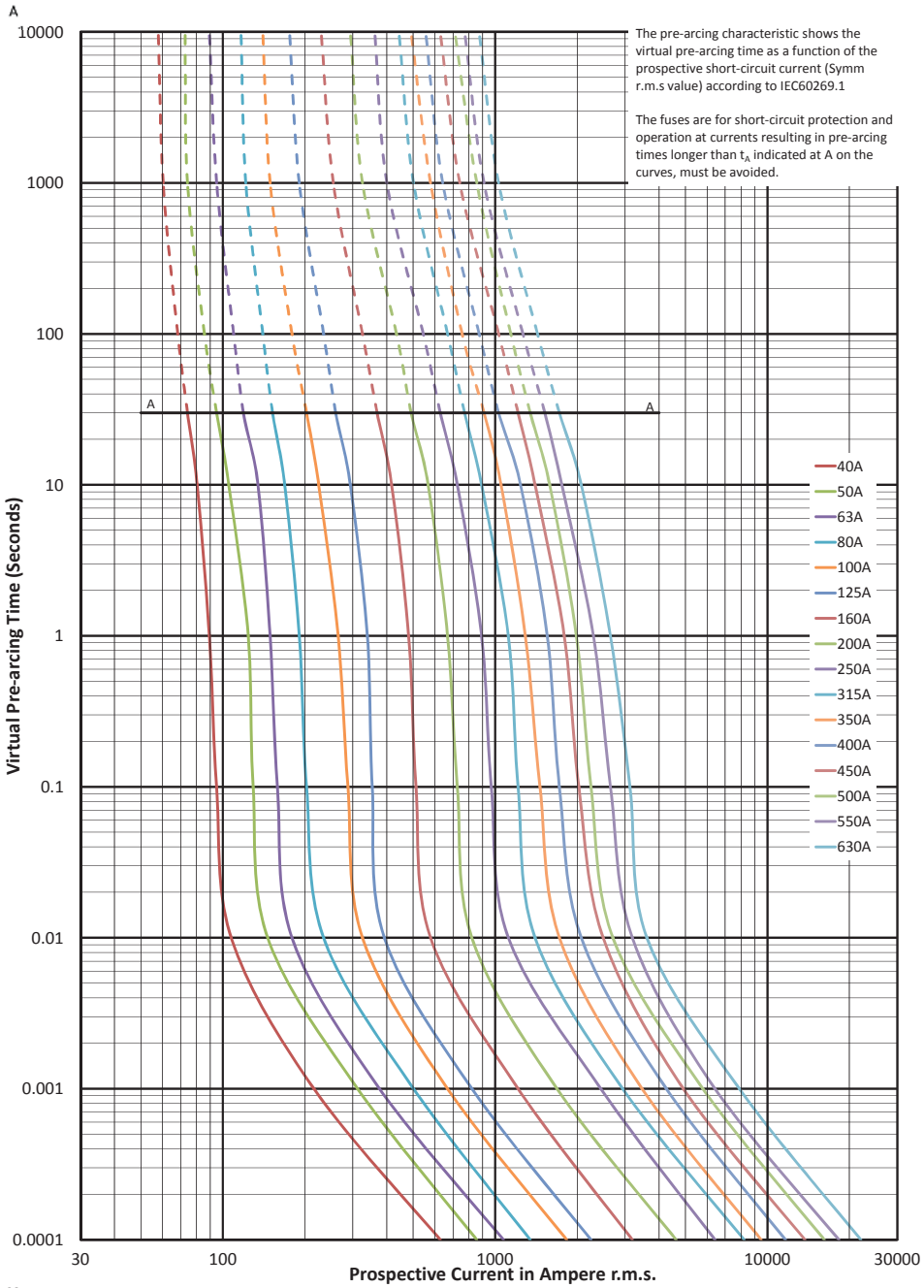
[3] Rated at 750 V d.c.12XIn 130 kA when two fuses are connected in series

Data sheets: 170K6314 (Size 1*), 170K6316 (Size 1), 170K6318 (Size 2), 170K6320 (Size 3)

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690 V a.c. (IEC), 700 V a.c. (UL) - 40 A to 2000 A - Sizes 1* to 3 - US style - 170M

Time-current curve - Size 1*, 40 A to 630 A



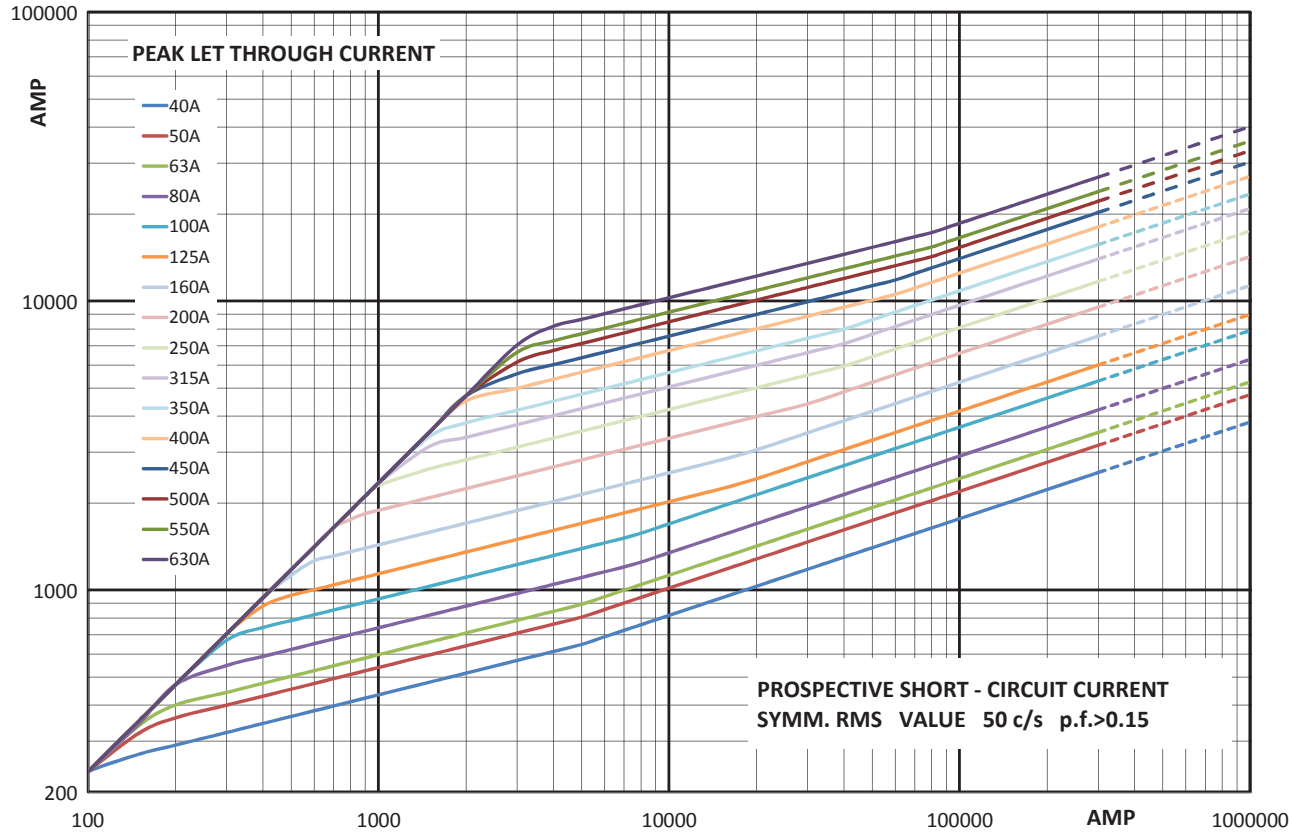
K_b = 1 N = 1,5

Data sheets: 170K6314 (Size 1*), 170K6316 (Size 1), 170K6318 (Size 2), 170K6320 (Size 3)

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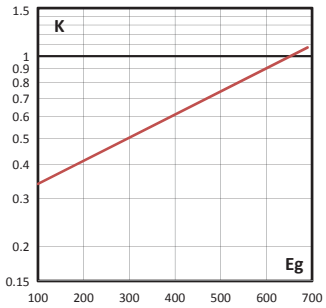
690 V a.c. (IEC), 700 V a.c. (UL) - 40 A to 2000 A - Sizes 1* to 3 - US style - 170M

Cut-off curve - Size 1*, 40 A to 630 A



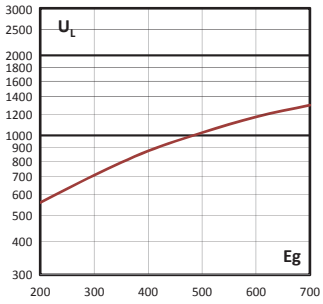
Total clearing I²t

The total clearing I²t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I²t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



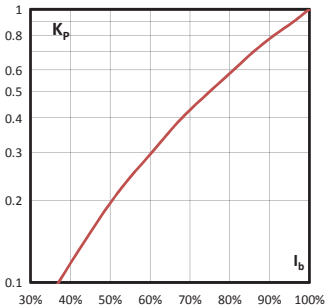
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.

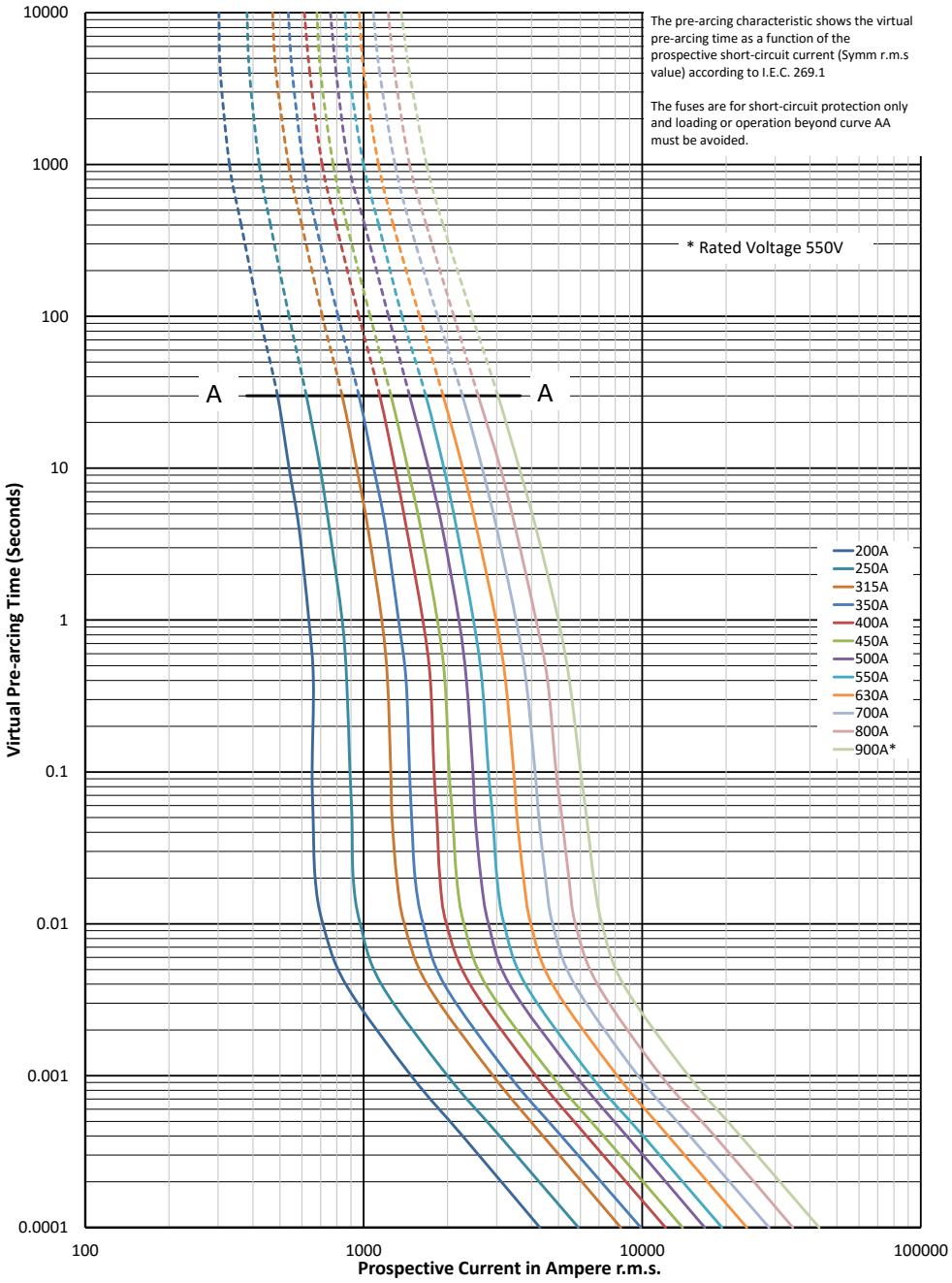


Data sheets: 170K6314 (Size 1*), 170K6316 (Size 1), 170K6318 (Size 2), 170K6320 (Size 3)

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690 V a.c. (IEC), 700 V a.c. (UL) - 40 A to 2000 A - Sizes 1* to 3 - US style - 170M

Time-current curve - Size 1, 200 A to 900 A



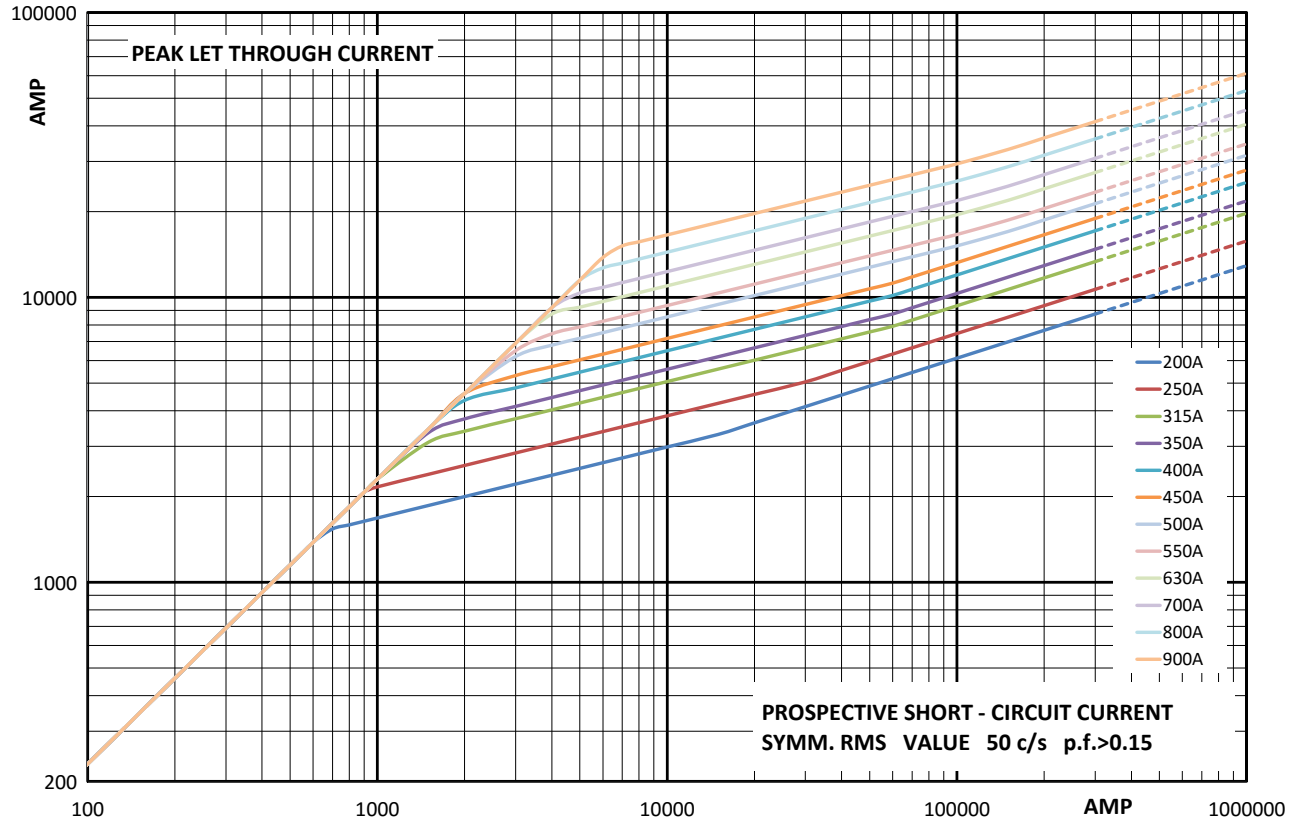
K_b = 1 N = 1.5

Data sheets: 170K6314 (Size 1*), 170K6316 (Size 1), 170K6318 (Size 2), 170K6320 (Size 3)

Downloaded from Arrow.com.

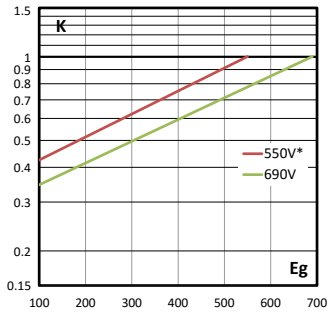
690 V a.c. (IEC), 700 V a.c. (UL) - 40 A to 2000 A - Sizes 1* to 3 - US style - 170M

Cut-off curve - Size 1, 200 A to 900 A



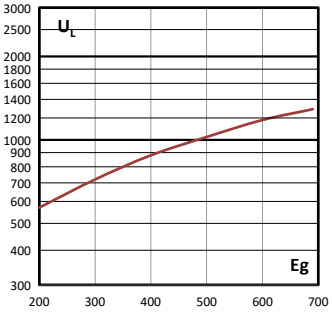
Total clearing I^2t

The total clearing I^2t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I^2t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



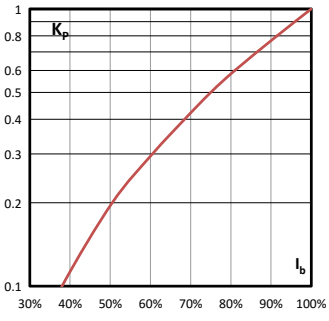
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.

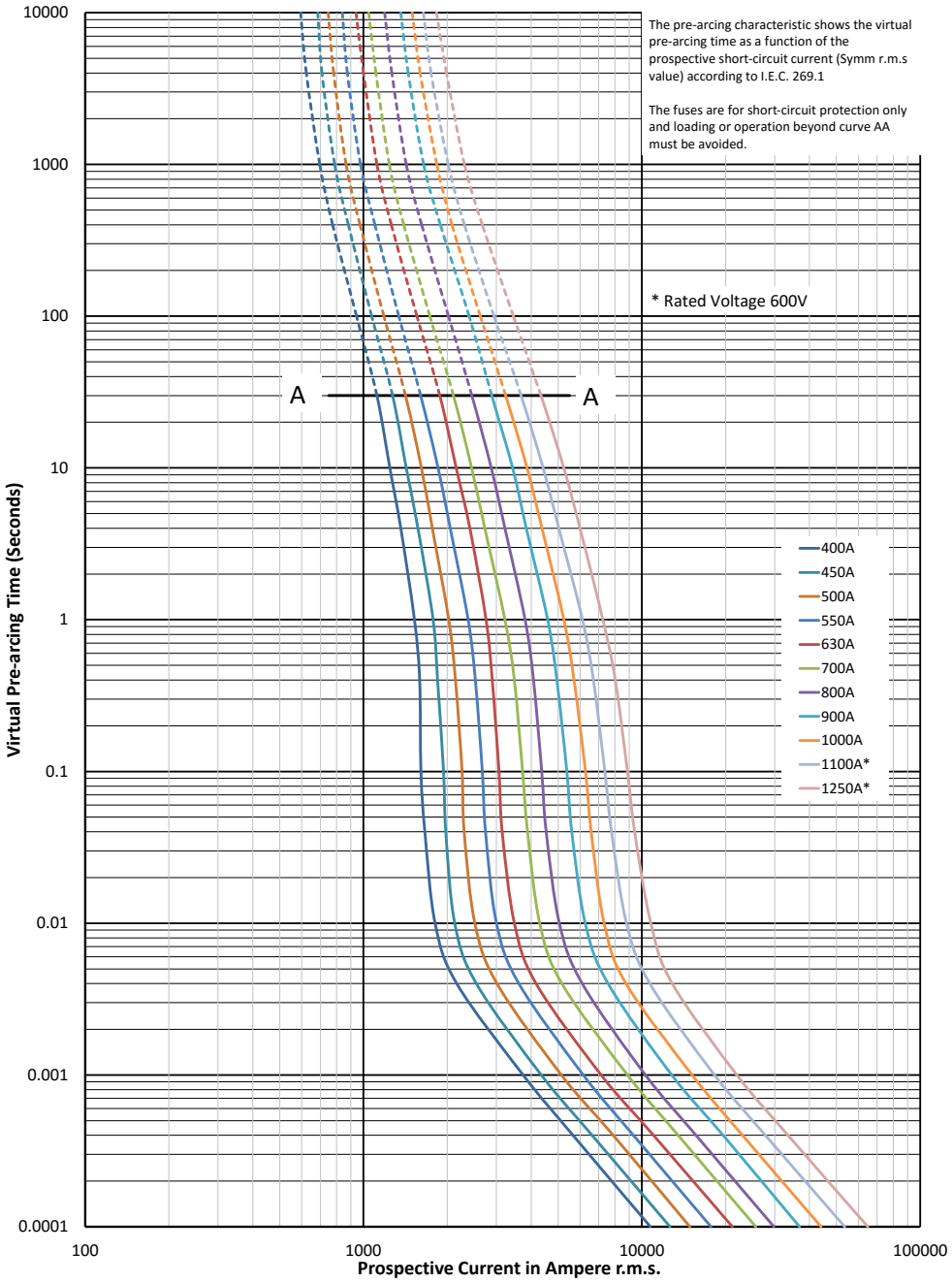


Data sheets: 170K6314 (Size 1*), 170K6316 (Size 1), 170K6318 (Size 2), 170K6320 (Size 3)

Downloaded from Arrow.com.

690 V a.c. (IEC), 700 V a.c. (UL) - 40 A to 2000 A - Sizes 1* to 3 - US style - 170M

Time-current curve - Size 2, 400 A to 1250 A



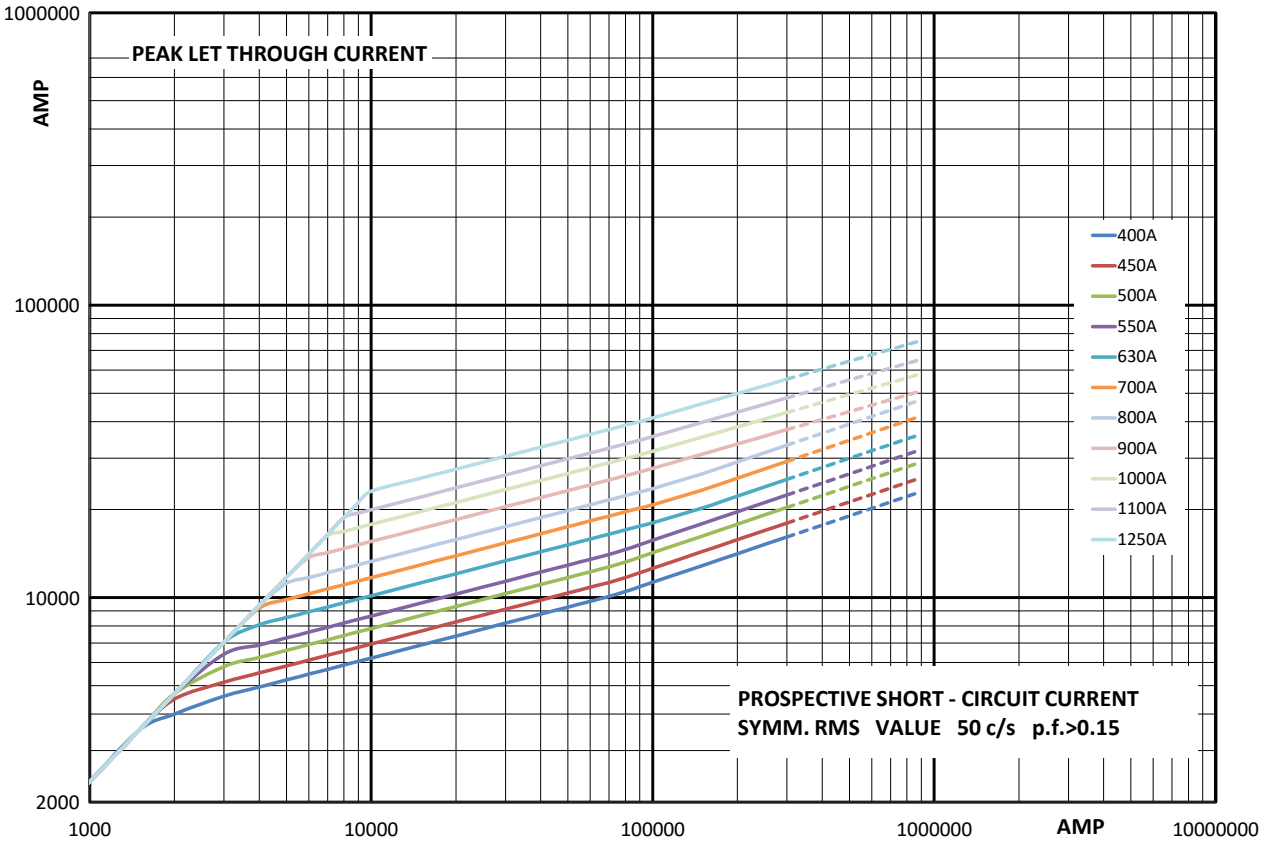
K_b = 1 N = 1.5

Data sheets: 170K6314 (Size 1*), 170K6316 (Size 1), 170K6318 (Size 2), 170K6320 (Size 3)

Downloaded from Arrow.com.

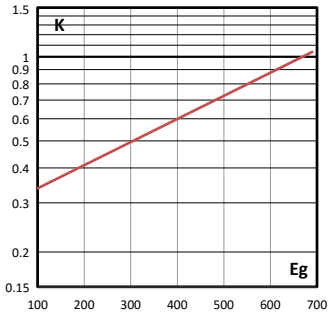
690 V a.c. (IEC), 700 V a.c. (UL) - 40 A to 2000 A - Sizes 1* to 3 - US style - 170M

Cut-off curve - Size 2, 400 A to 1250 A



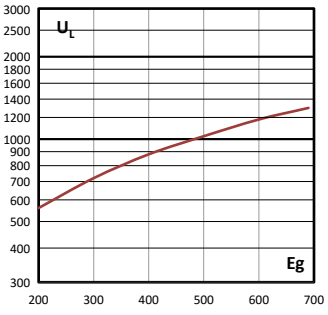
Total clearing I^2t

The total clearing I^2t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I^2t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



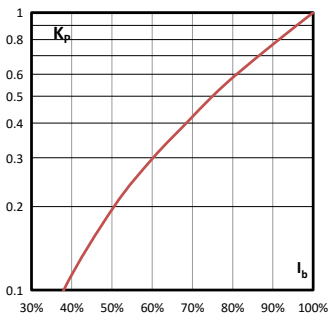
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.

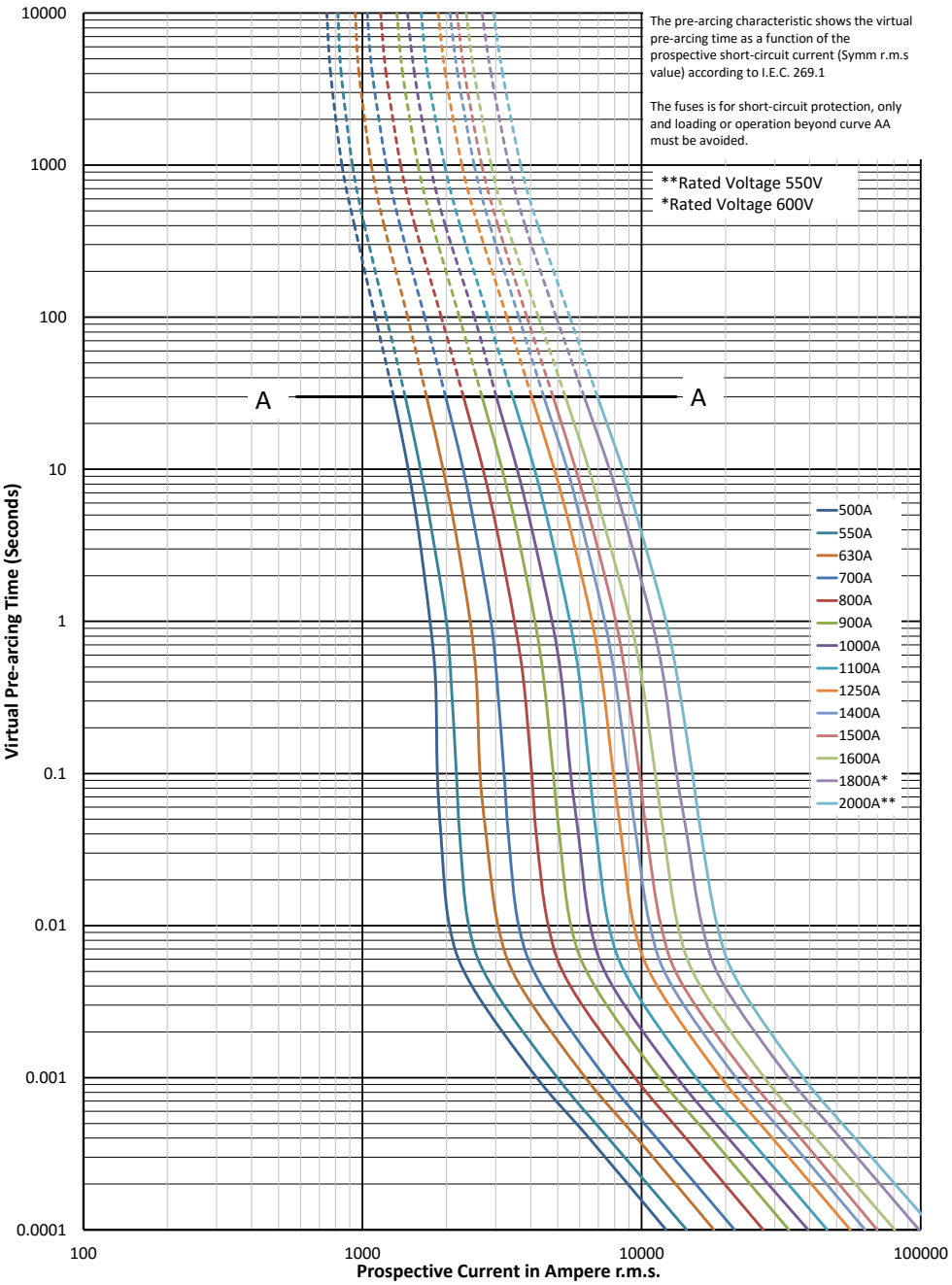


Data sheets: 170K6314 (Size 1*), 170K6316 (Size 1), 170K6318 (Size 2), 170K6320 (Size 3)

Downloaded from Arrow.com.

690 V a.c. (IEC), 700 V a.c. (UL) - 40 A to 2000 A - Sizes 1* to 3 - US style - 170M

Time-current curve - Size 3, 500 A to 2000 A



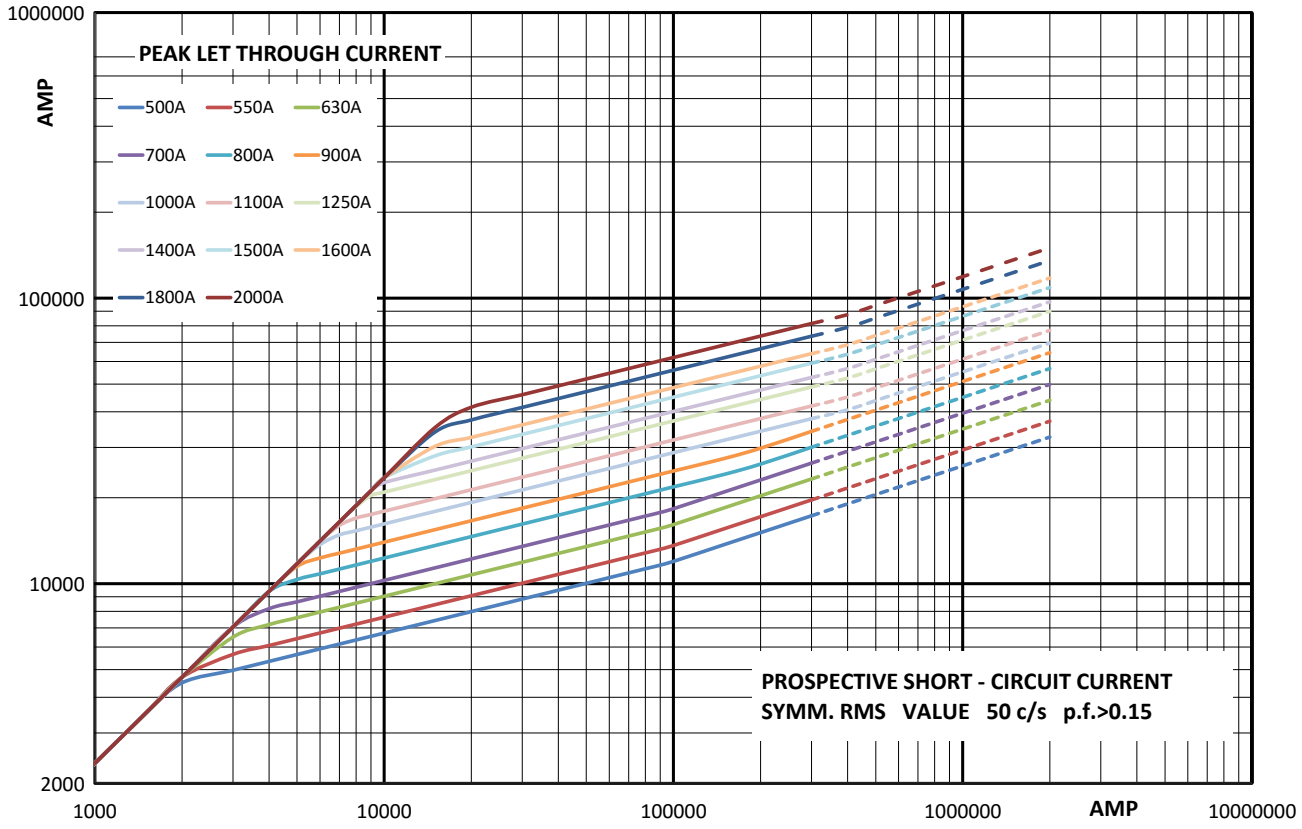
K_b = 1 N = 1.5

Data sheets: 170K6314 (Size 1*), 170K6316 (Size 1), 170K6318 (Size 2), 170K6320 (Size 3)

Downloaded from Arrow.com.

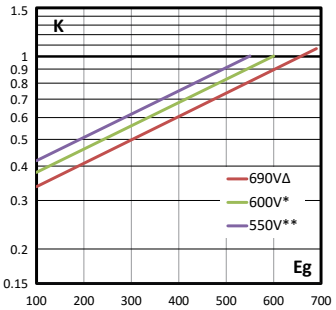
690 V a.c. (IEC), 700 V a.c. (UL) - 40 A to 2000 A - Sizes 1* to 3 - US style - 170M

Cut-off curve - Size 3, 500 A to 2000 A



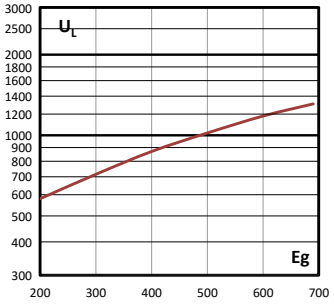
Total clearing I²t

The total clearing I²t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I²t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



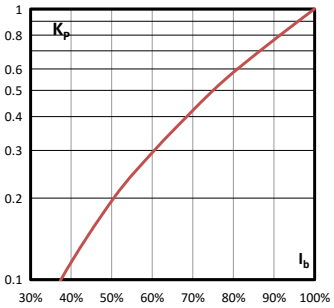
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.



Data sheets: 170K6314 (Size 1*), 170K6316 (Size 1), 170K6318 (Size 2), 170K6320 (Size 3)

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1000 V a.c. (IEC) - 50 A to 1400 A - Sizes 1* to 3 - US Style - 170M

Description

Square body US style bolted tags high speed fuse links for the protection of DC common bus, DC drives, power converters/ rectifiers and reduced rated voltage starters.



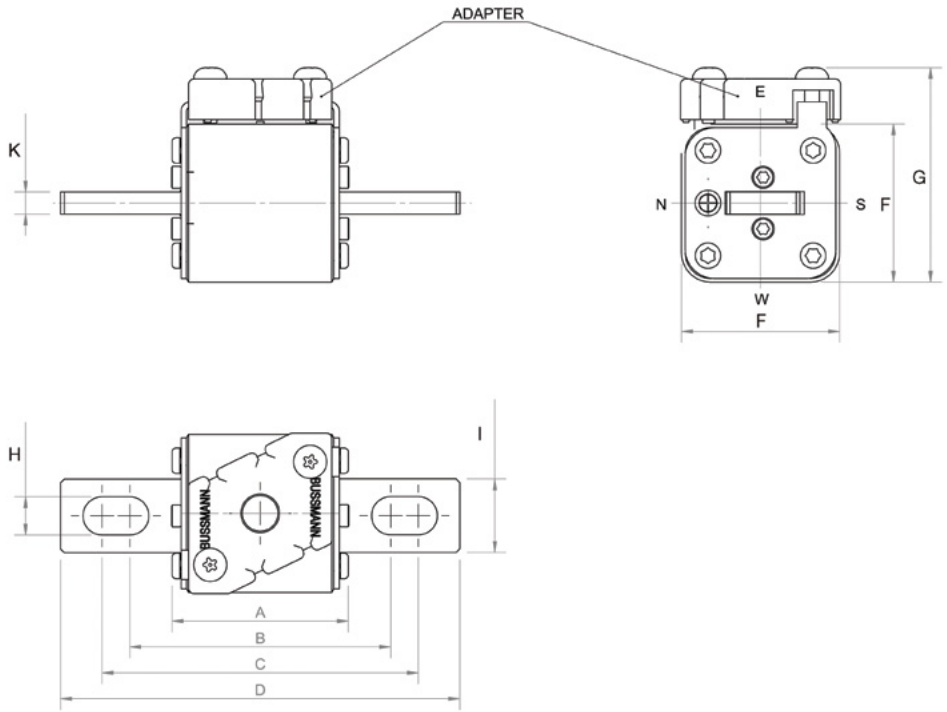
Technical data

- Rated voltage: 1000 V a.c. (IEC)
- Rated current: 50 A to 1400 A
- Breaking capacity:
  - 125kA RMS Sym. A.C.
  - Size 1 750 V d.c. 50 kA IR
- Operating class: aR

Standards / Agency information

CE, Designed and tested to IEC60269 Part 4. UL Recognised/CSA Component Acceptance status for size 2 and 3 (315 A to 1100 A) and CCC approval for size 2 only.

Dimensions (mm)



Size	A	B	C	D	F	G	H	I	K
1*FKE/115	74	101	130	156	43	60	10.4	20	6
1FKE/115	76	102	128	160	51	68	14.3	25	6
2FKE/115	76	101.1	127.5	160	59	76	14.4	25	6
3FKE/115	76	101.1	127.5	158	74	91	16	36	6

1mm = 0.0394"

Data sheets: 170K8564 (Size 1*), 170K8566 (Size 1), 170K8568 (Size 2), 170K8570 (Size 3)

Downloaded from Arrow.com.

1000 V a.c. (IEC) - 50 A to 1400 A - Sizes 1* to 3 - US Style - 170M

Catalogue numbers

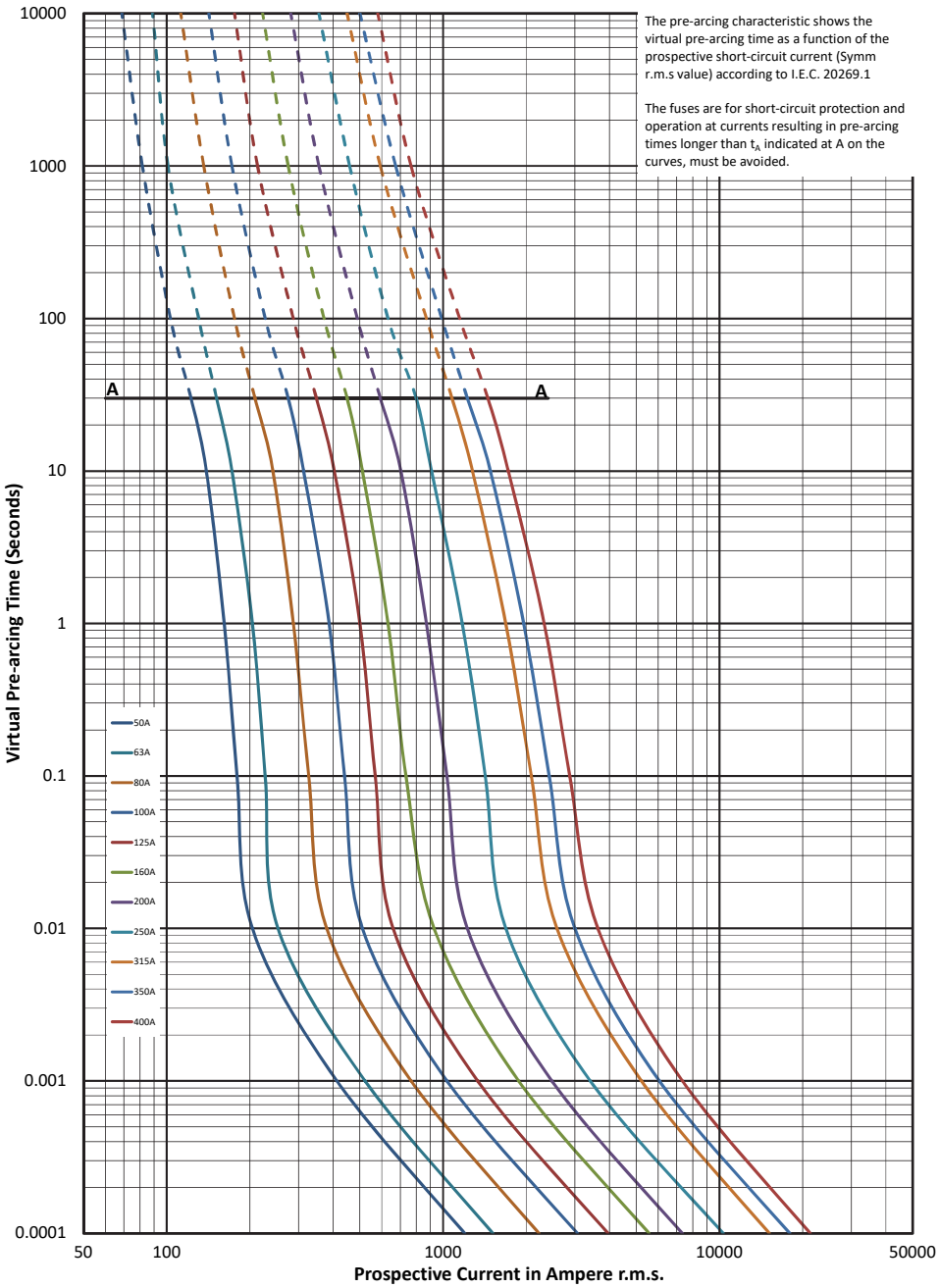
Fuse link body size	Rated voltage	Rated current (Amps)	I²t (A² Sec) Pre-arcing	I²t (A² Sec) Clearing at 1000 V a.c.	Watts loss (W)	Catalogue numbers -FKE/115 Type K indicator for micro
1*	1000 V a.c. (IEC)	50	135	815	20	170M3531
		63	215	1300	25	170M3532
		80	460	2750	30	170M3533
		100	860	5100	35	170M3534
		125	1450	8600	40	170M3535
		160	2850	17,500	45	170M3536
		200	4950	29,500	50	170M3537
		250	9550	57,000	55	170M3538
		315	21,500	130,000	65	170M3539
		350	29,000	175,000	70	170M3540
		400	42,000	250,000	75	170M3541
1	1000 V a.c. (IEC) 1000 V a.c. / 750 V d.c. (UL)	160	2200	13,500	40	170M4531
		200	4150	24,500	50	170M4532
		250	7750	46,000	55	170M4533
		315	16,500	98,500	65	170M4534
		350	21,500	130,000	70	170M4535
		400	31,000	185,000	75	170M4536
		450	44,500	265,000	80	170M4537
		500	63,000	375,000	85	170M4538
		550	84,500	500,000	90	170M4539
		630	125,000	755,000	98	170M4540
2	1000 V a.c. (IEC/UL)	250	6750	40,000	65	170M5531
		315	13,500	81,500	75	170M5532
		350	16,500	99,000	80	170M5533
		400	26,000	155,000	85	170M5534
		450	35,500	210,000	90	170M5535
		500	49,500	295,000	95	170M5536
		550	66,000	390,000	100	170M5337
		630	93,500	555,000	110	170M5538
		700	130,000	770,000	115	170M5539
		800	195,000	1,200,000	125	170M5540
3	1000 V a.c. (IEC/UL)	315	9200	54,500	90	170M8531
		350	13,000	77,500	95	170M8532
		400	19,000	115,000	105	170M8533
		450	27,000	160,000	107	170M8534
		500	37,500	225,000	110	170M8535
		550	52,000	310,000	115	170M8536
		630	82,500	490,000	120	170M8537
		700	115,000	700,000	125	170M8538
		800	170,000	1,050,000	135	170M8539
		900	250,000	1,500,000	145	170M8540
		1000	340,000	2,050,000	150	170M8541
		1100	460,000	2,750,000	155	170M8542
	1000 V a.c. (IEC)	1250	575,000	3,400,000	175	170M8543
	900 V a.c. (IEC)	1400	795,000	4,200,000	185	170M8544

Data sheets: 170K8564 (Size 1*), 170K8566 (Size 1), 170K8568 (Size 2), 170K8570 (Size 3)

Downloaded from Arrow.com.

1000 V a.c. (IEC) - 50 A to 1400 A - Sizes 1* to 3 - US Style - 170M

Time-current curve - Size 1*, 50 A to 400 A



The pre-arcing characteristic shows the virtual pre-arcing time as a function of the prospective short-circuit current (Symm r.m.s value) according to I.E.C. 20269.1

The fuses are for short-circuit protection and operation at currents resulting in pre-arcing times longer than t_A indicated at A on the curves, must be avoided.

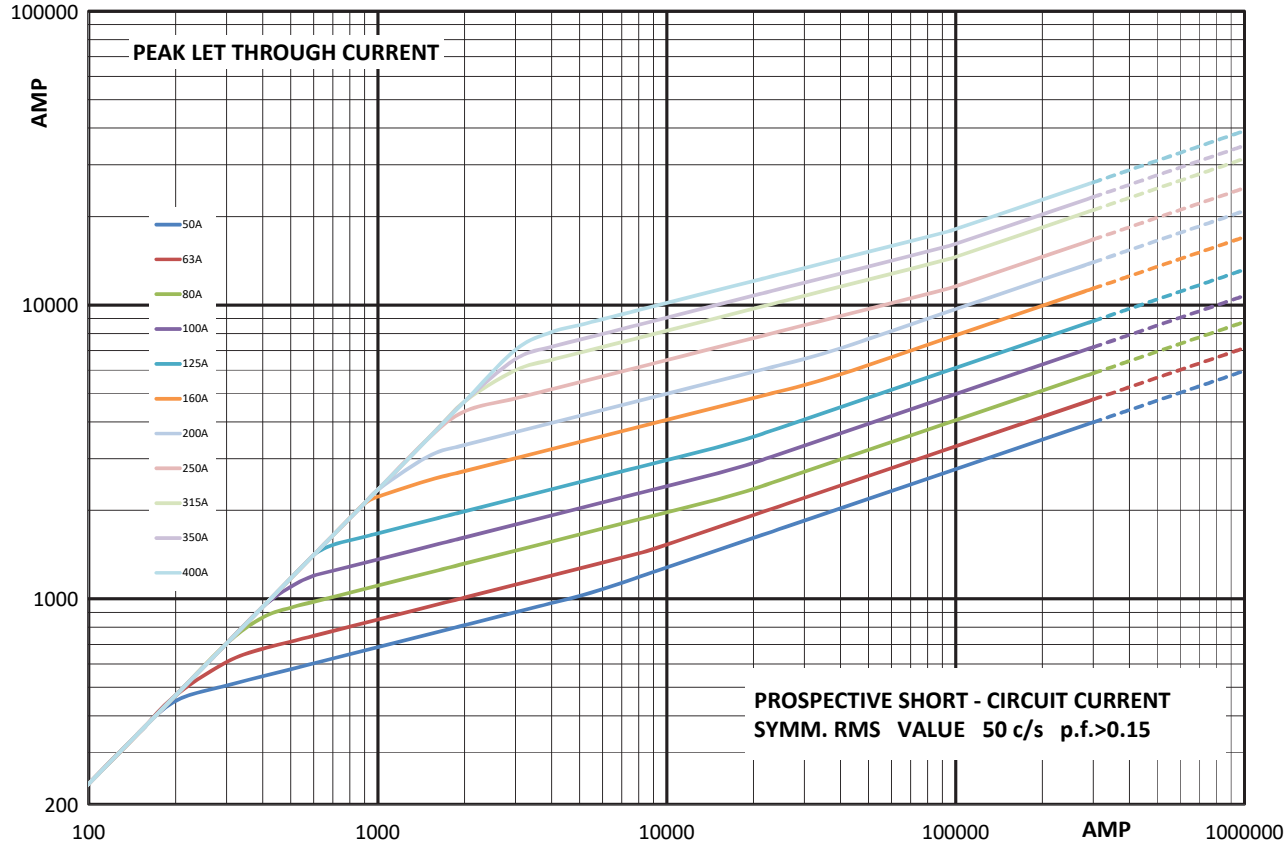
K_b = 1 N = 1,6

Data sheets: 170K8564 (Size 1*), 170K8566 (Size 1), 170K8568 (Size 2), 170K8570 (Size 3)

Downloaded from Arrow.com.

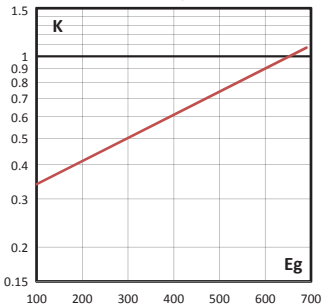
690 V a.c. (IEC), 700 V a.c. (UL) - 40 A to 2000 A - Sizes 1* to 3 - US style - 170M

Cut-off curve - Size 1*, 50 A to 400 A



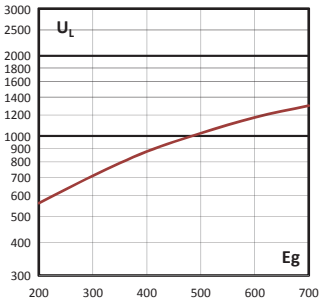
Total clearing I²t

The total clearing I²t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I²t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



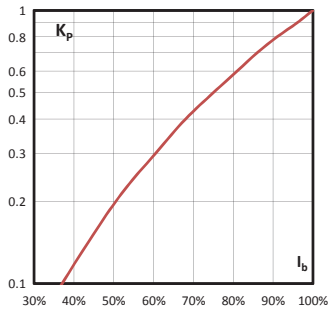
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.

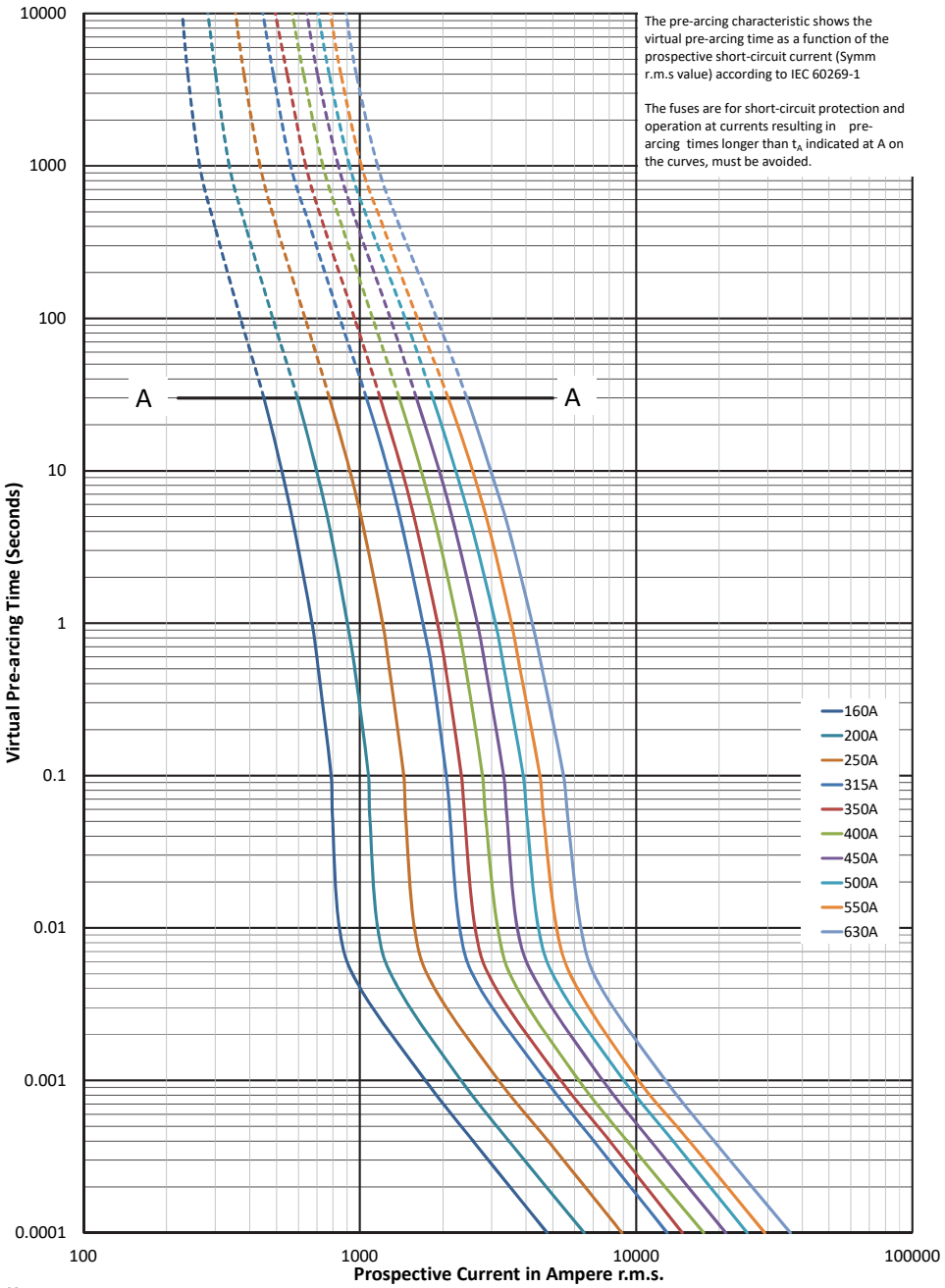


Data sheets: 170K8564 (Size 1*), 170K8566 (Size 1), 170K8568 (Size 2), 170K8570 (Size 3)

Downloaded from Arrow.com.

690 V a.c. (IEC), 700 V a.c. (UL) - 40 A to 2000 A - Sizes 1* to 3 - US style - 170M

Time-current curve - Size 1, 160 A to 630 A



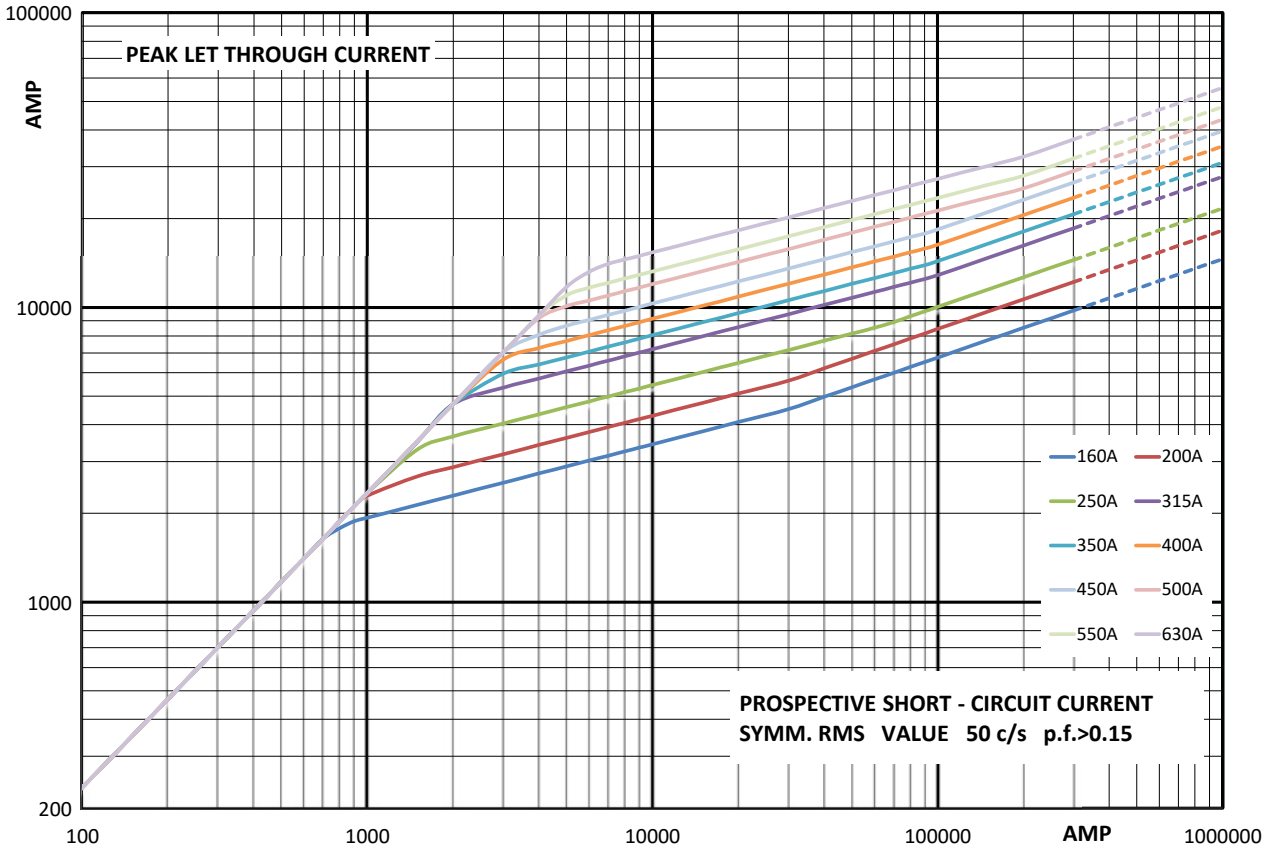
K_b = 1 N = 1.6

Data sheets: 170K8564 (Size 1*), 170K8566 (Size 1), 170K8568 (Size 2), 170K8570 (Size 3)

Downloaded from Arrow.com.

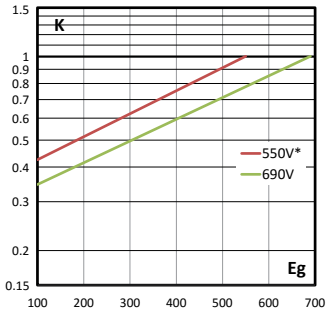
690 V a.c. (IEC), 700 V a.c. (UL) - 40 A to 2000 A - Sizes 1* to 3 - US style - 170M

Cut-off curve - Size 1, 160 A to 630 A



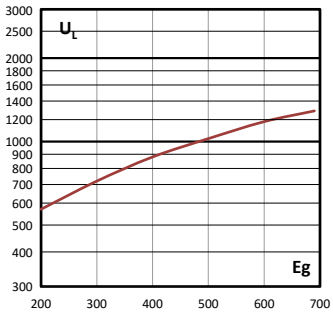
Total clearing I^2t

The total clearing I^2t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I^2t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



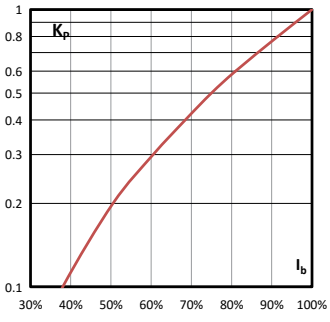
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.

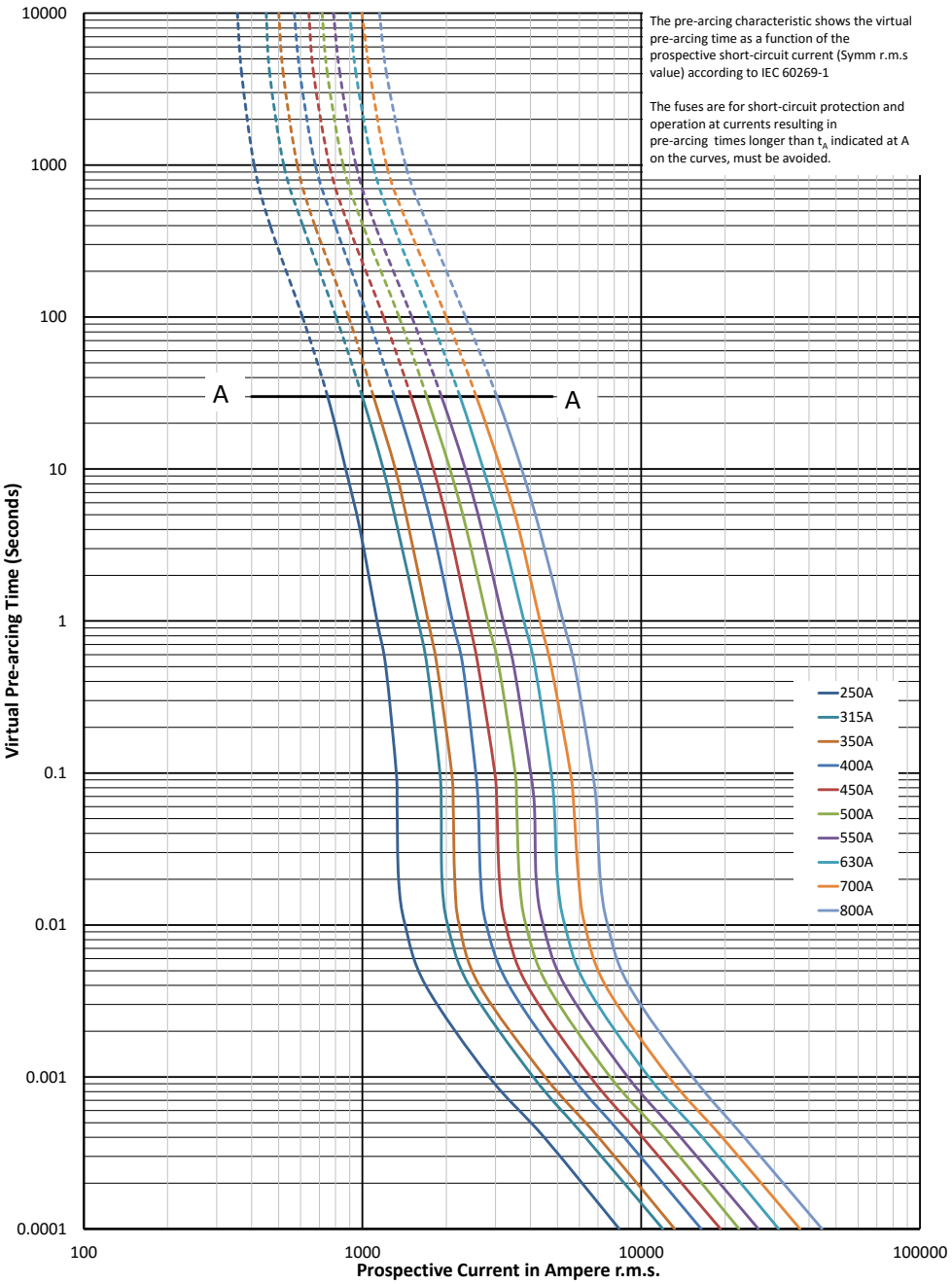


Data sheets: 170K8564 (Size 1*), 170K8566 (Size 1), 170K8568 (Size 2), 170K8570 (Size 3)

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690 V a.c. (IEC), 700 V a.c. (UL) - 40 A to 2000 A - Sizes 1* to 3 - US style - 170M

Time-current curve - Size 2, 250 A to 800 A



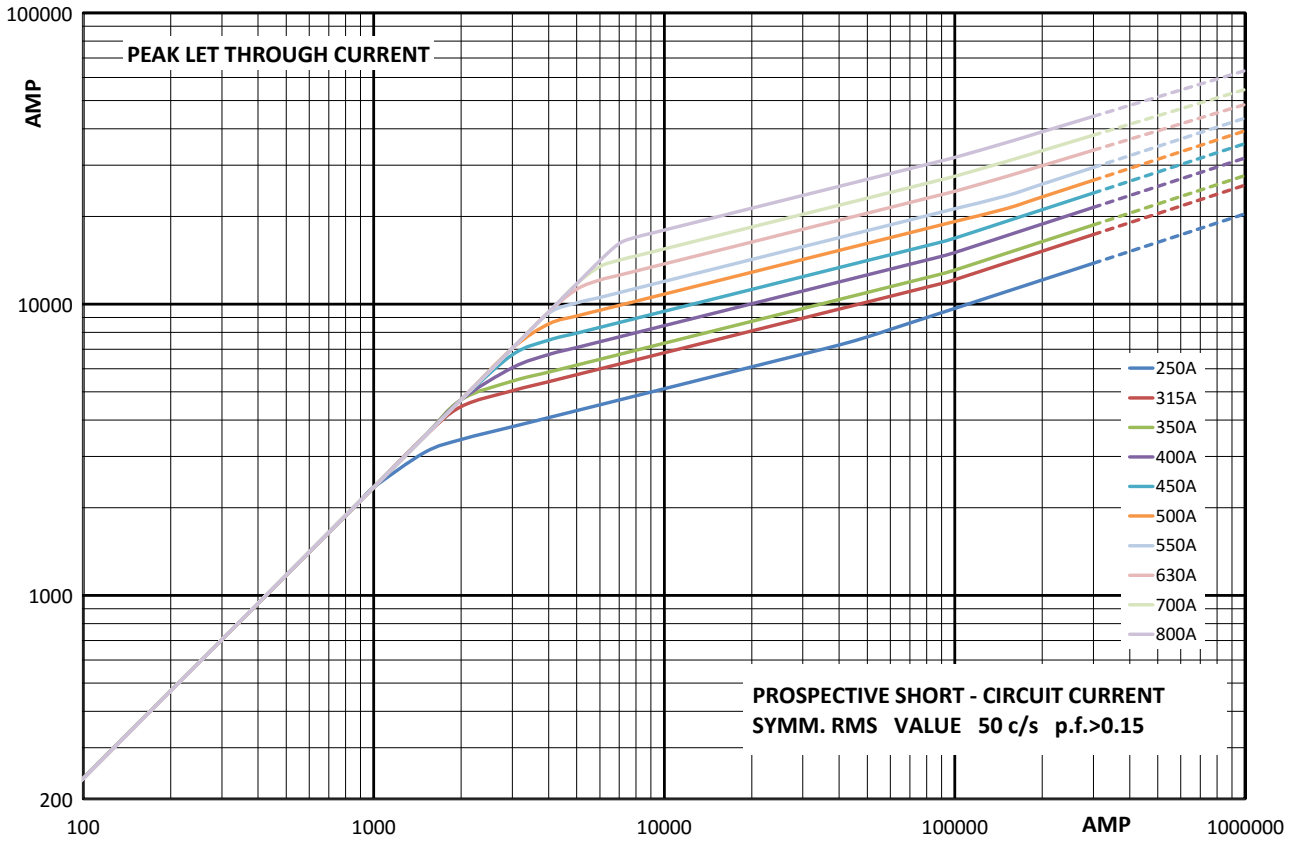
K_b = 1 N = 1.6

Data sheets: 170K8564 (Size 1*), 170K8566 (Size 1), 170K8568 (Size 2), 170K8570 (Size 3)

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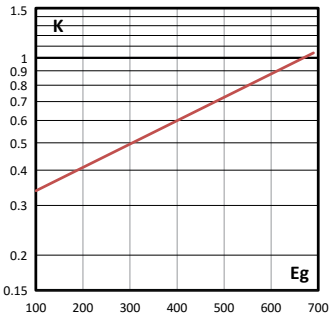
690 V a.c. (IEC), 700 V a.c. (UL) - 40 A to 2000 A - Sizes 1* to 3 - US style - 170M

Cut-off curve - Size 2, 250 A to 800 A



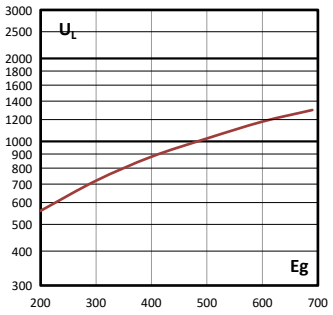
Total clearing I²t

The total clearing I²t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I²t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



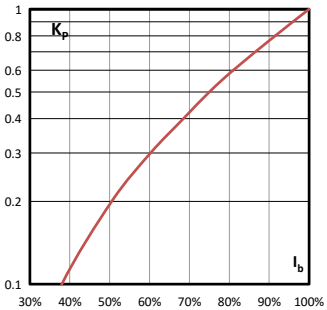
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.

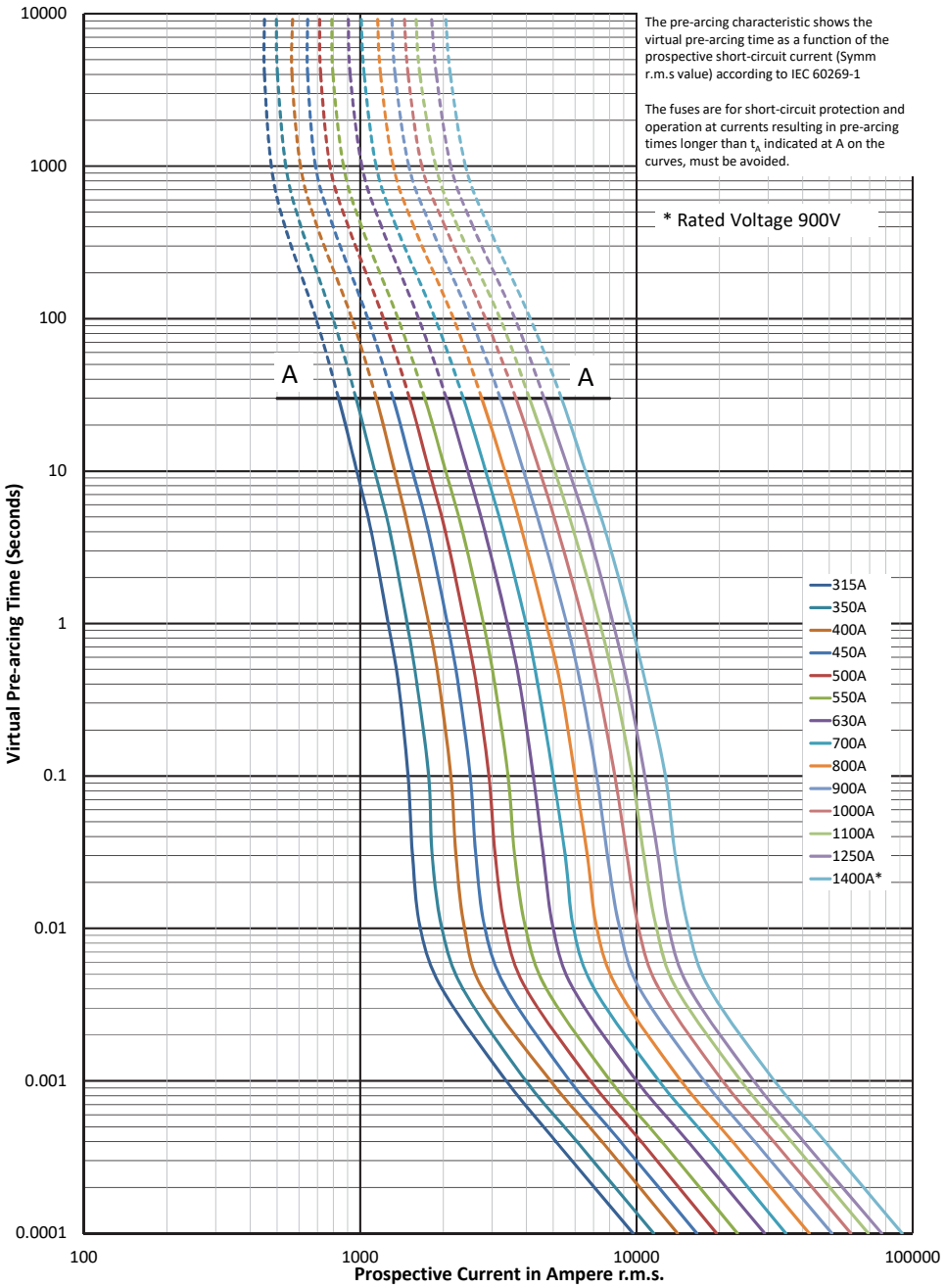


Data sheets: 170K8564 (Size 1*), 170K8566 (Size 1), 170K8568 (Size 2), 170K8570 (Size 3)

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690 V a.c. (IEC), 700 V a.c. (UL) - 40 A to 2000 A - Sizes 1* to 3 - US style - 170M

Time-current curve - Size 3, 315 A to 1400 A



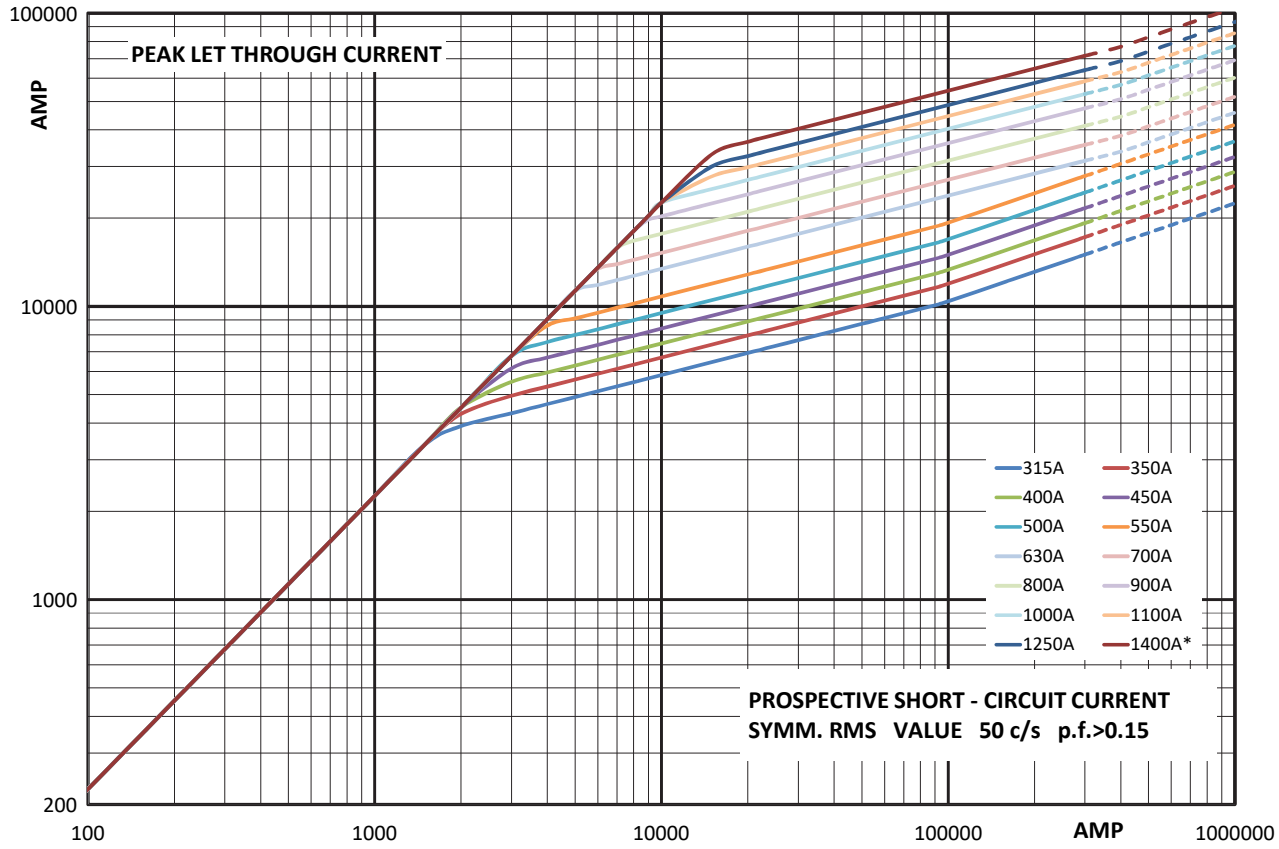
K_b = 1 N = 1.6

Data sheets: 170K8564 (Size 1*), 170K8566 (Size 1), 170K8568 (Size 2), 170K8570 (Size 3)

Downloaded from Arrow.com.

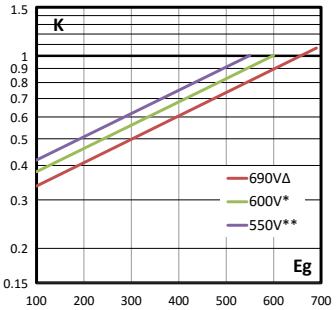
690 V a.c. (IEC), 700 V a.c. (UL) - 40 A to 2000 A - Sizes 1* to 3 - US style - 170M

Cut-off curve - Size 3, 315 A to 1400 A



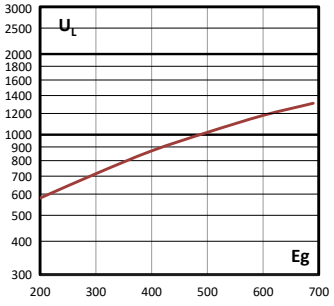
Total clearing I²t

The total clearing I²t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I²t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



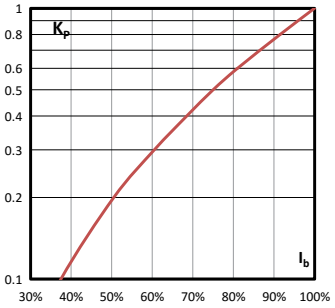
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.



Data sheets: 170K8564 (Size 1*), 170K8566 (Size 1), 170K8568 (Size 2), 170K8570 (Size 3)

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Square body fuse links US style

1250 V a.c. (IEC), 1300 V a.c. (UL) - 50 A to 1400 A - Sizes 1* to 3 - US style - 170M

Description

Square body US style bolted tags high speed fuse links for the protection of DC common bus, DC drives, power converters/rectifiers and reduced rated voltage starters.



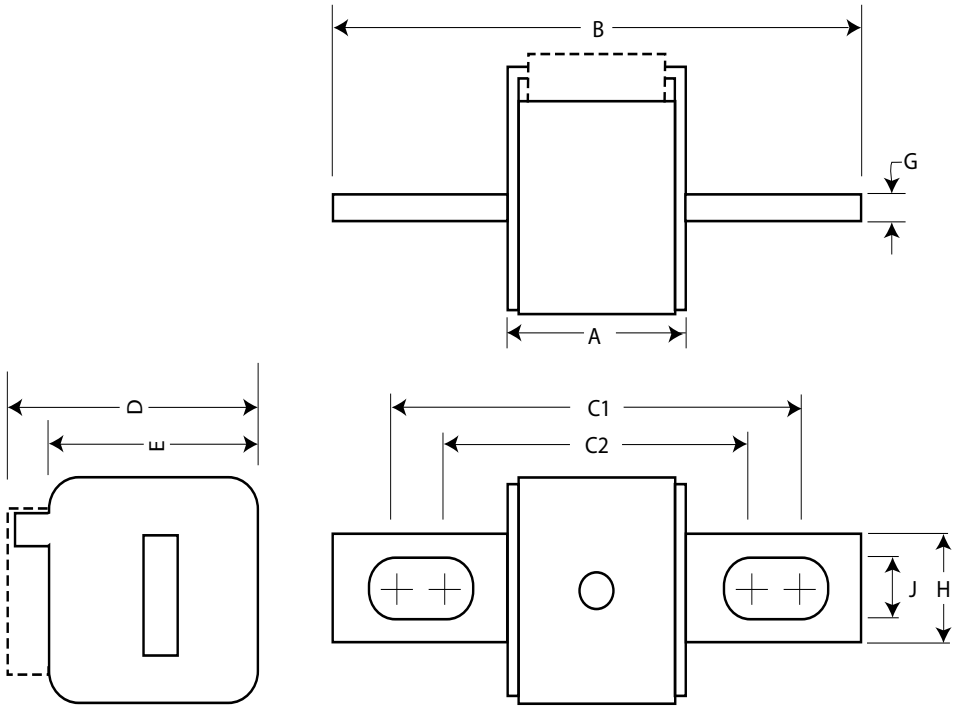
Technical data

- Rated voltage: 1250 V a.c. (IEC), 1300 V a.c. (UL)
- Rated current: 50 A to 1400 A
- Breaking capacity:
  - 100 kA RMS Sym.A.C.
  - Size 1* 90 kA D.C.
- -Operating class: aR

Standards / Agency information

CE, Designed and tested to IEC 60269 part 4. Consult Eaton for UL Recognition/CSA Component Acceptance status and CCC approvals

Dimensions (mm)



Size	A	B	C1	C2	D	E	G	H	J
1*	74	156	130	101	59	45	6	20	10
1	76	160	127	102	69	53	6	25	14
2	76	160	127	102	77	61	6	25	14
3	76	159	128	101	92	76	6	36	16

Data sheets: 170K6630 (Size 1*), 170K6632 (Size 1), 170K6634 (Size 2), 170K6636 (Size 3)

Downloaded from Arrow.com.

1250 V a.c. (IEC), 1300 V a.c. (UL) - 50 A to 1400 A - Sizes 1* to 3 - US style - 170M

Catalogue numbers

Fuse link body size	Rated voltage	Rated current (Amps)	I²t (A² Sec) Pre-arcing	I²t (A² Sec) Clearing at 1000 V a.c.	I²t (A² Sec) Clearing at 1250 V a.c.	Watts loss (W)	Catalogue numbers -FU/115 without indicator	Catalogue numbers -FKE/115 Type K indicator for micro
1*	1250 V a.c. (IEC) 1300 V a.c. (UL)	50	135	815	1100	15	170M3688[1]	170M3738[1]
		63	215	1300	1750	20	170M3689[1]	170M3739[1]
		80	420	2500	3350	25	170M3690[1]	170M3740[1]
		100	750	4450	5950	30	170M3691[1]	170M3741[1]
		125	1450	9000	11,500	35	170M3692[1]	170M3742[1]
		160	2600	16,000	21,000	40	170M3693[1]	170M3743[1]
		200	5150	31,000	41,000	45	170M3694[1]	170M3744[1]
		250	9200	54,500	73,000	55	170M3695[1]	170M3745[1]
		315	18,500	115,000	150,000	60	170M3696[1]	170M3746[1]
		350	27,000	165,000	220,000	65	170M3697[1]	170M3747[1]
1	1250 V a.c. (IEC) 1300 V a.c. (UL)	160	1900	11,500	15,500	45	170M4688	170M4738
		200	3800	22,500	30,000	50	170M4689	170M4739
		250	7750	46,000	61,500	60	170M4690	170M4740
		315	15,000	90,000	120,000	65	170M4691	170M4741
		350	20,000	125,000	165,000	70	170M4692	170M4742
		400	29,500	175,000	235,000	75	170M4693	170M4743
		450	42,000	250,000	335,000	80	170M4694	170M4744
	1100 V a.c. IEC	500	69,500	340,000	N/A	85	170M4695	170M4745
		550	95,000	465,000	N/A	95	170M4696	170M4746
	1000 V a.c. IEC	630	130,000	660,000	N/A	100	170M4697	170M4747
2	1250 V a.c. (IEC) 1300 V a.c. (UL)	250	6500	38,500	51,500	65	170M5688	170M5738
		280	9350	55,500	74,500	70	170M5689	170M5739
		315	13,000	77,500	105,000	75	170M5690	170M5740
		350	16,500	97,500	135,000	80	170M5691	170M5741
		400	23,000	140,000	180,000	85	170M5692	170M5742
		450	34,000	205,000	270,000	90	170M5693	170M5743
		500	48,000	285,000	380,000	95	170M5694	170M5744
		550	62,000	370,000	495,000	100	170M5695	170M5745
		630	115,000	575,000	730,000	120	170M5696	170M5746
	1100 V a.c. IEC	700	160,000	795,000	N/A	125	170M5697	170M5747
		800	245,000	1,200,000	N/A	130	170M5698	170M5748
	1000 V a.c. IEC	900	360,000	1,750,000	N/A	135	170M5699	170M5749
		1000	480,000	2,350,000	N/A	145	170M5700	170M5750

[1] Rated at 900 V d.c. 8XIn 90 kA

Data sheets: 170K6630 (Size 1*), 170K6632 (Size 1), 170K6634 (Size 2), 170K6636 (Size 3)

Downloaded from Arrow.com.

1250 V a.c. (IEC), 1300 V a.c. (UL) - 50 A to 1400 A - Sizes 1* to 3 - US style - 170M

Catalogue numbers

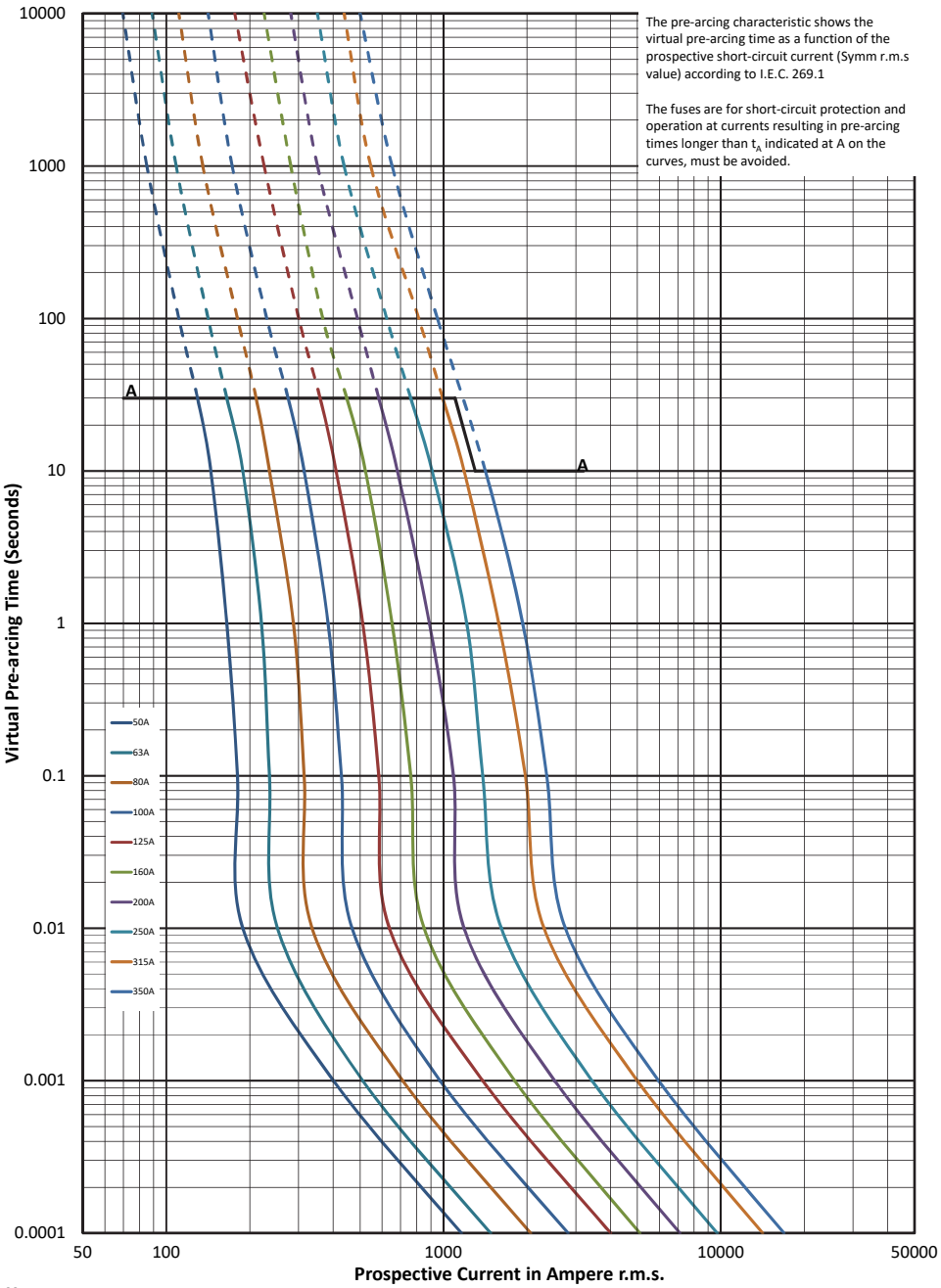
Fuse link body size	Rated voltage	Rated current (Amps)	I²t (A² Sec) Pre-arcing	I²t (A² Sec) Clearing at 1000 V a.c.	I²t (A² Sec) Clearing at 1250 V a.c.	Watts loss (W)	Catalogue numbers -FU/115 without indicator	Catalogue numbers -FKE/115 Type K indicator for micro
3	1250 V a.c.(IEC) 1300 V a.c. (UL)	315	9500	58,000	77,500	85	170M6688	170M6738
		350	13,500	81,500	110,000	90	170M6689	170M6739
		400	19,500	120,000	160,000	95	170M6690	170M6740
		450	31,000	185,000	245,000	100	170M6691	170M6741
		500	39,000	235,000	310,000	105	170M6692	170M6742
		550	55,000	325,000	435,000	110	170M6693	170M6743
		630	83,500	495,000	665,000	115	170M6694	170M6744
		700	115,000	705,000	940,000	120	170M6695	170M6745
	1250 V a.c. (IEC)	800	205,000	995,000	1,300,000	125	170M6696	170M6746
		900	305,000	1,500,000	1,900,000	130	170M6697	170M6747
	1100 V a.c. (IEC) 1000 V a.c. (UL)	1000	450,000	2,150,000	N/A	135	170M6698	170M6748
		1100	575,000	2,800,000	N/A	160	170M6699	170M6749
	1000 V a.c. IEC & UL	1250	810,000	3,950,000	N/A	170	170M6700	170M6750
		1400	1,250,000	6,000,000	N/A	175	170M6701	170M6751

Data sheets: 170K6630 (Size 1*), 170K6632 (Size 1), 170K6634 (Size 2), 170K6636 (Size 3)

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1250 V a.c. (IEC), 1300 V a.c. (UL) - 50 A to 1400 A - Sizes 1* to 3 - US style - 170M

Time-current curve - Size 1*, 50 A to 350 A



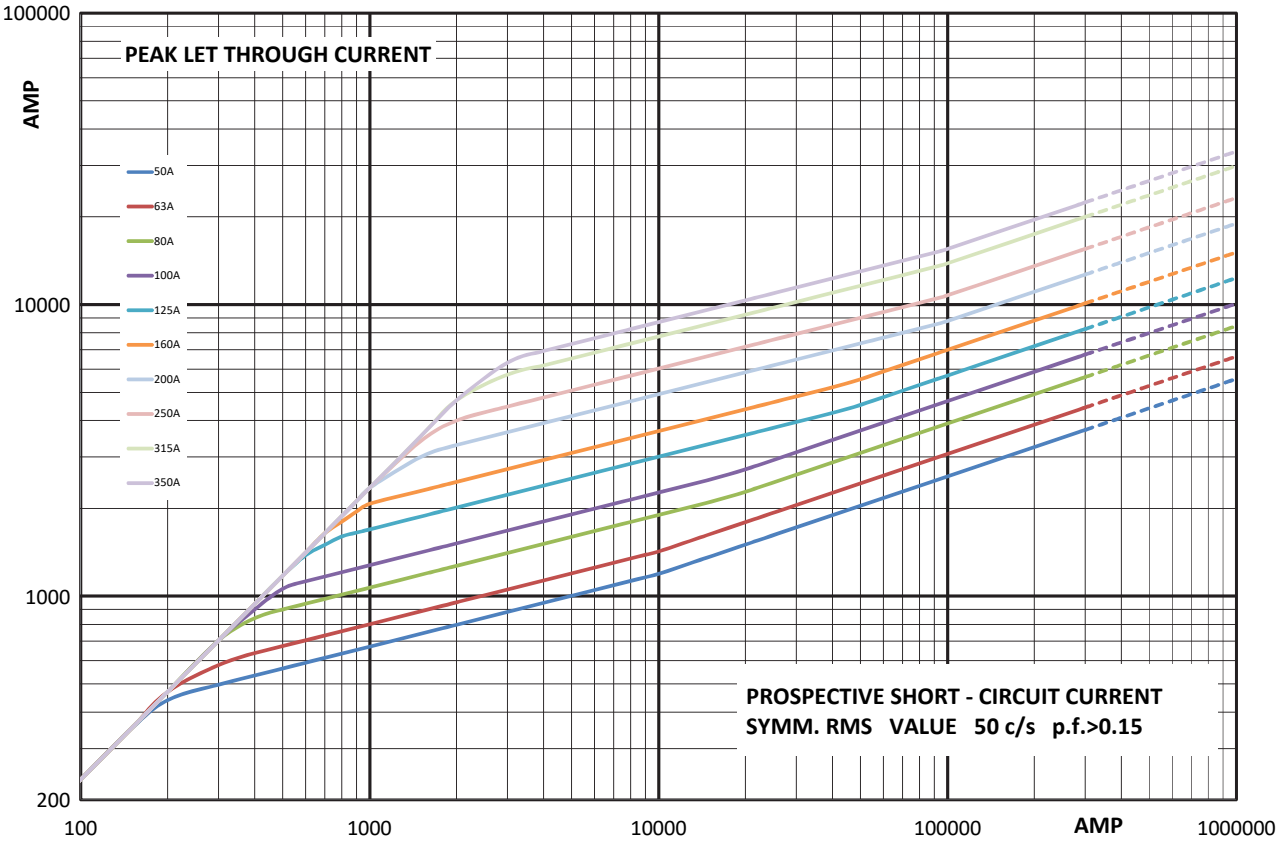
K_b = 1 N = 1,6

Data sheets: 170K6630 (Size 1*), 170K6632 (Size 1), 170K6634 (Size 2), 170K6636 (Size 3)

Downloaded from Arrow.com.

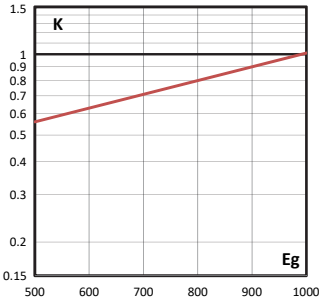
1250 V a.c. (IEC), 1300 V a.c. (UL) - 50 A to 1400 A - Sizes 1* to 3 - US style - 170M

Cut-off curve - Size 1*, 50 A to 350 A



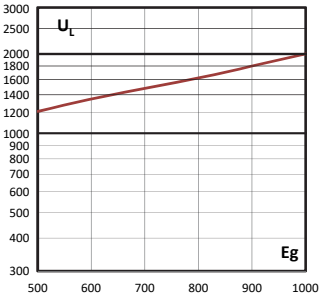
Total clearing I²t

The total clearing I²t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I²t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



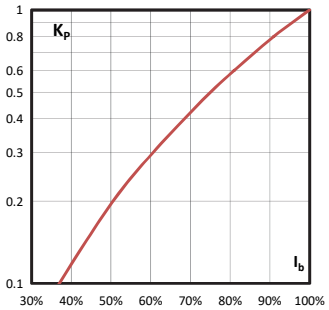
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.

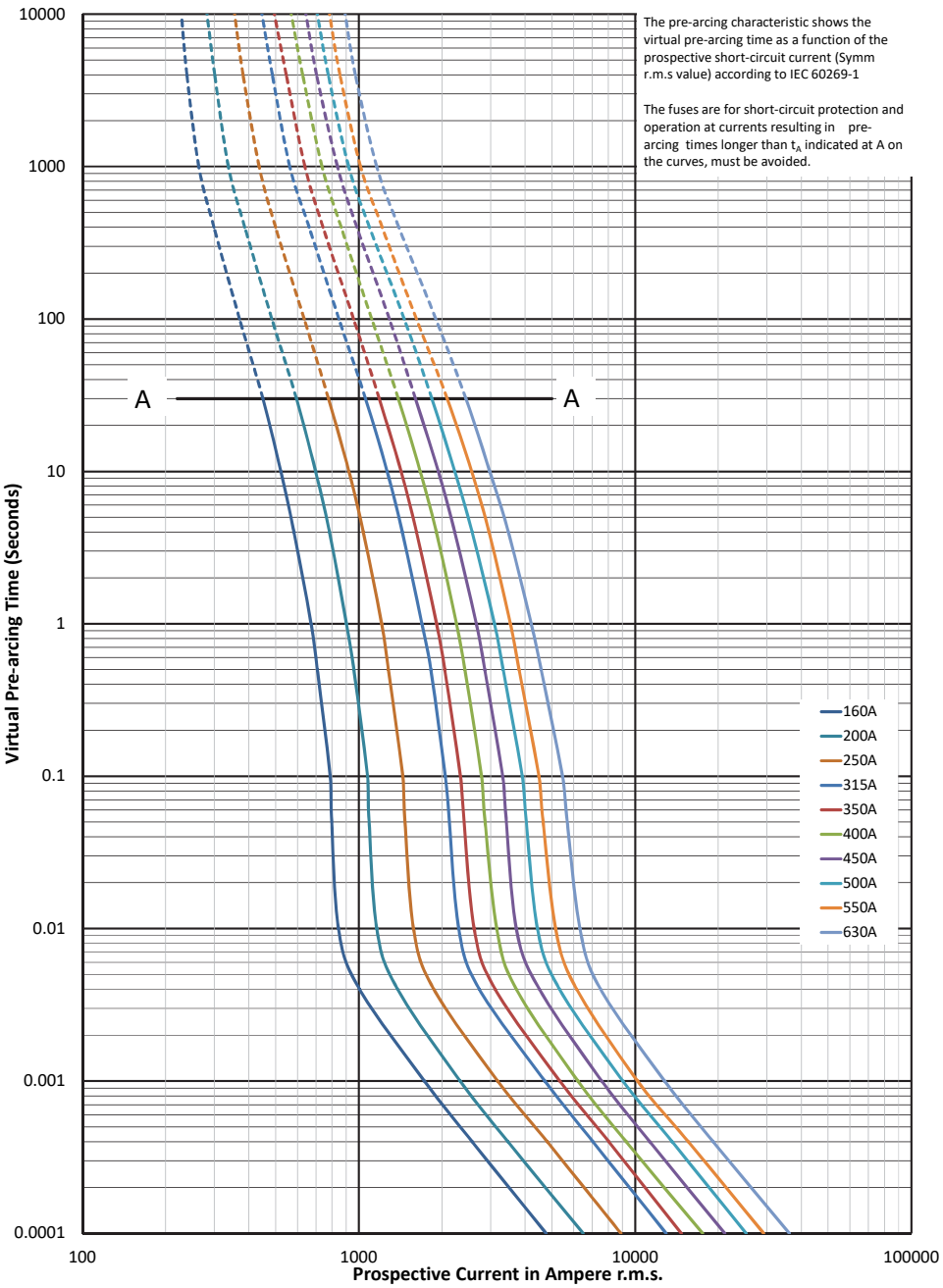


Data sheets: 170K6630 (Size 1*), 170K6632 (Size 1), 170K6634 (Size 2), 170K6636 (Size 3)

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1250 V a.c. (IEC), 1300 V a.c. (UL) - 50 A to 1400 A - Sizes 1* to 3 - US style - 170M

Time-current curve - Size 1, 160 A to 630 A



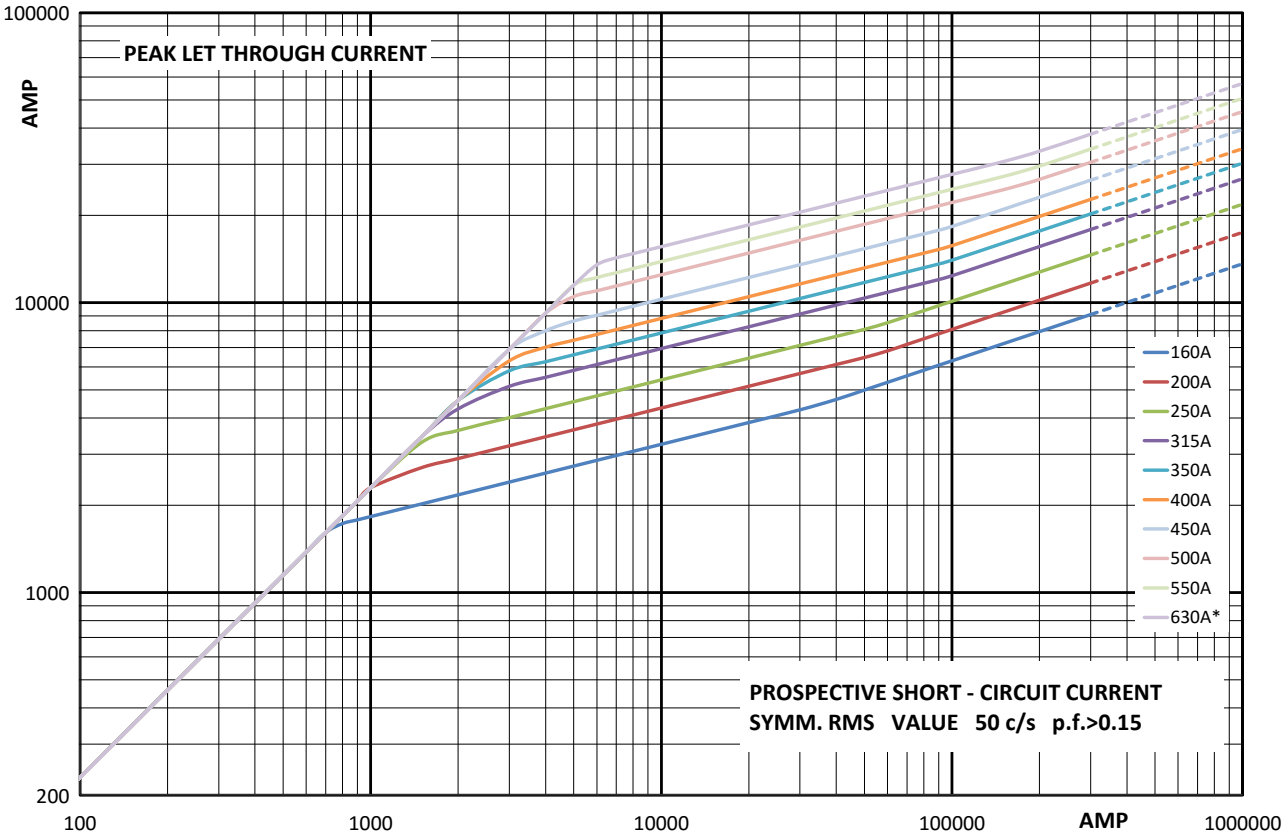
K_b = 1 N = 1.6

Data sheets: 170K6630 (Size 1*), 170K6632 (Size 1), 170K6634 (Size 2), 170K6636 (Size 3)

Downloaded from Arrow.com.

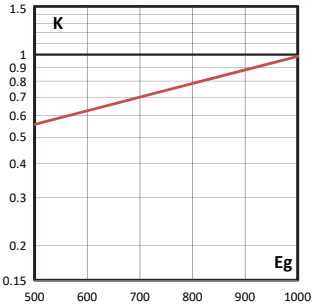
1250 V a.c. (IEC), 1300 V a.c. (UL) - 50 A to 1400 A - Sizes 1* to 3 - US style - 170M

Cut-off curve - Size 1, 160 A to 630 A



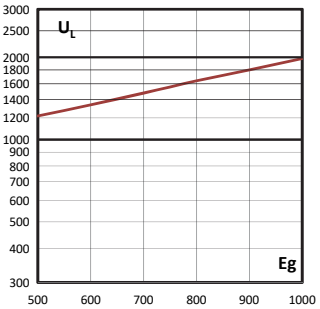
Total clearing I^2t

The total clearing I^2t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I^2t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



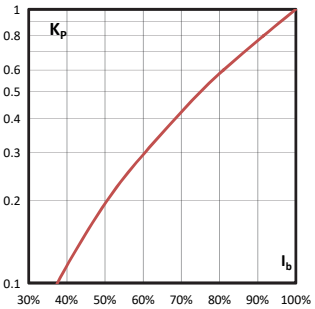
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p, is given as a function of the RMS load current, I_b, in percent of the rated current.

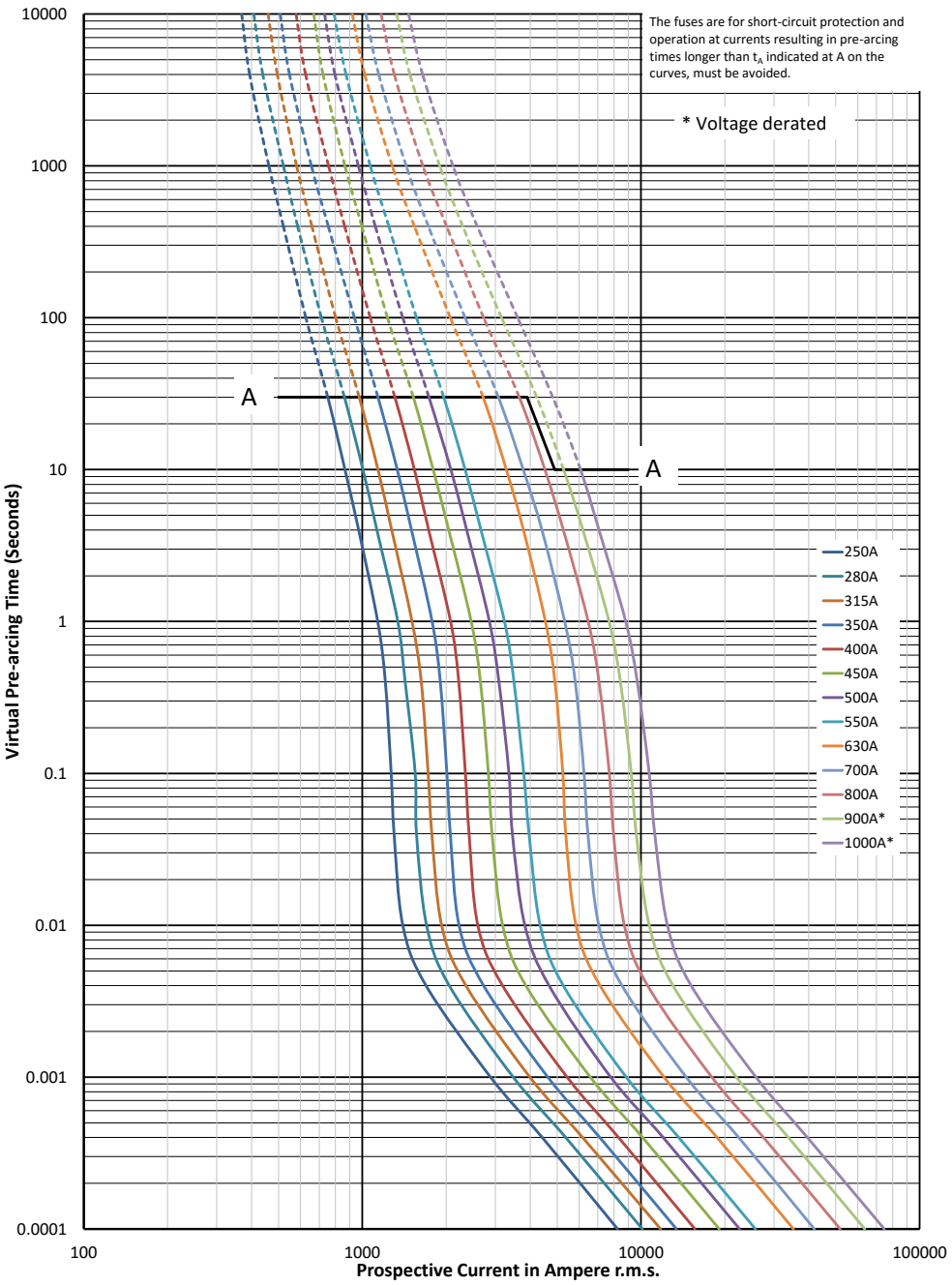


Data sheets: 170K6630 (Size 1*), 170K6632 (Size 1), 170K6634 (Size 2), 170K6636 (Size 3)

Downloaded from Arrow.com.

1250 V a.c. (IEC), 1300 V a.c. (UL) - 50 A to 1400 A - Sizes 1* to 3 - US style - 170M

Time-current curve - Size 2, 250 A to 1000 A



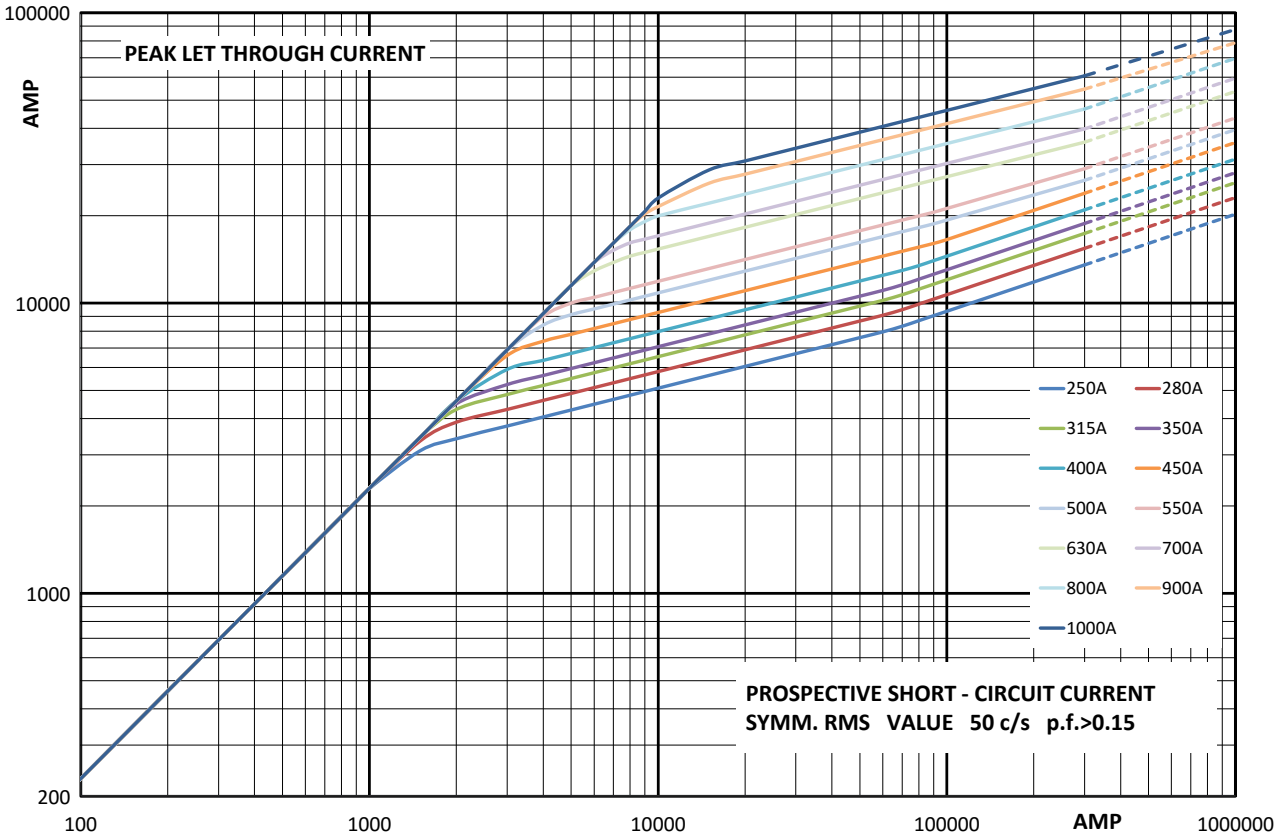
K_b = 1 N = 1.6

Data sheets: 170K6630 (Size 1*), 170K6632 (Size 1), 170K6634 (Size 2), 170K6636 (Size 3)

Downloaded from Arrow.com.

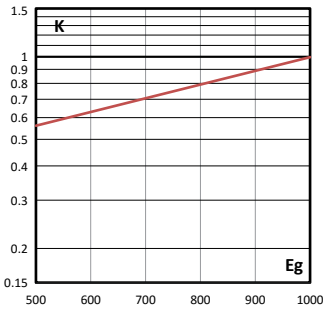
1250 V a.c. (IEC), 1300 V a.c. (UL) - 50 A to 1400 A - Sizes 1* to 3 - US style - 170M

Cut-off curve - Size 2, 250 A to 1000 A



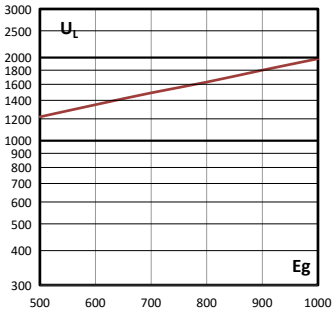
Total clearing I²t

The total clearing I²t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I²t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



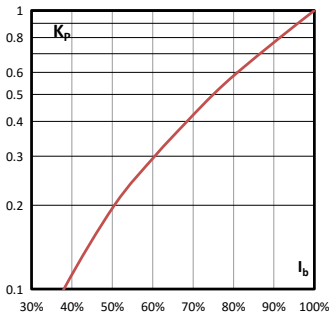
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p, is given as a function of the RMS load current, I_b, in percent of the rated current.

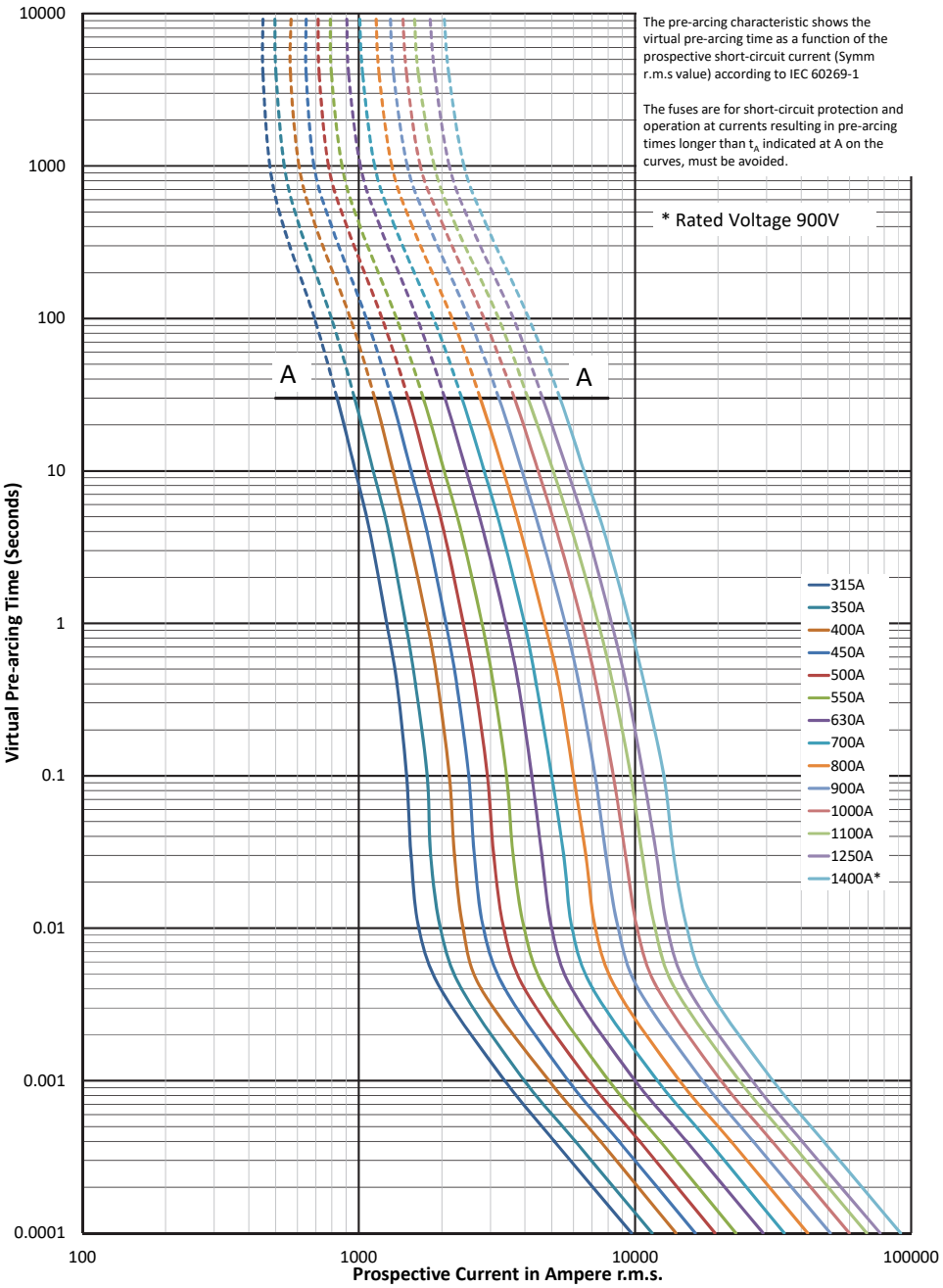


Data sheets: 170K6630 (Size 1*), 170K6632 (Size 1), 170K6634 (Size 2), 170K6636 (Size 3)

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1250 V a.c. (IEC), 1300 V a.c. (UL) - 50 A to 1400 A - Sizes 1* to 3 - US style - 170M

Time-current curve - Size 3, 315 A to 1400 A



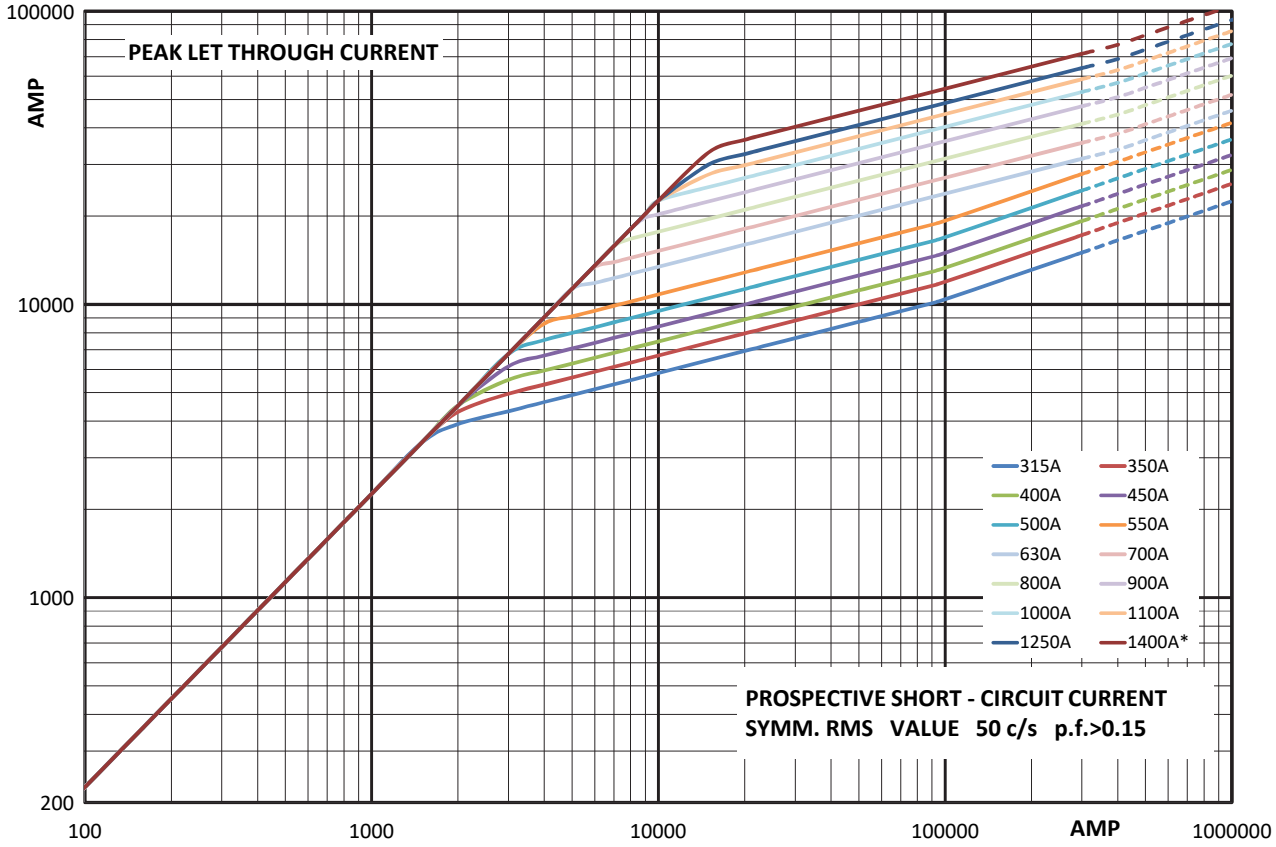
K_b = 1 N = 1.6

Data sheets: 170K6630 (Size 1*), 170K6632 (Size 1), 170K6634 (Size 2), 170K6636 (Size 3)

Downloaded from Arrow.com.

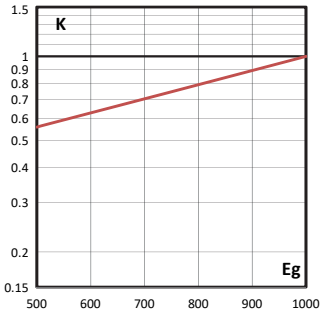
1250 V a.c. (IEC), 1300 V a.c. (UL) - 50 A to 1400 A - Sizes 1* to 3 - US style - 170M

Cut-off curve - Size 3, 315 A to 1400 A



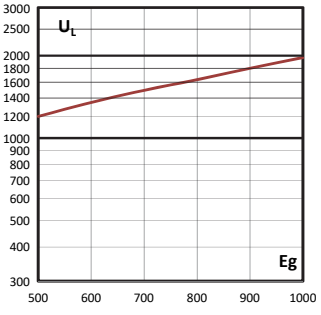
Total clearing I²t

The total clearing I²t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I²t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



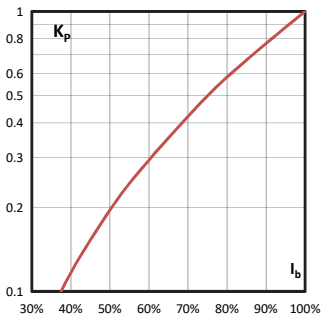
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.



Data sheets: 170K6630 (Size 1*), 170K6632 (Size 1), 170K6634 (Size 2), 170K6636 (Size 3)

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690 V a.c., 25 A to 400 A - Size 00 - Flush end contact - 170M

Description

Square body flush end contact high speed fuse links, for the protection of DC common bus, DC drives, power converters/ rectifiers and reduced rated voltage starters.



Technical data

- Rated voltage: 690 V a.c. (IEC)
- Rated current: 25 A to 400 A
- Breaking capacity: 200 kA RMS Sym
- Operating class:
  - gR (25 A to 80 A)
  - aR (100 A to 400 A)

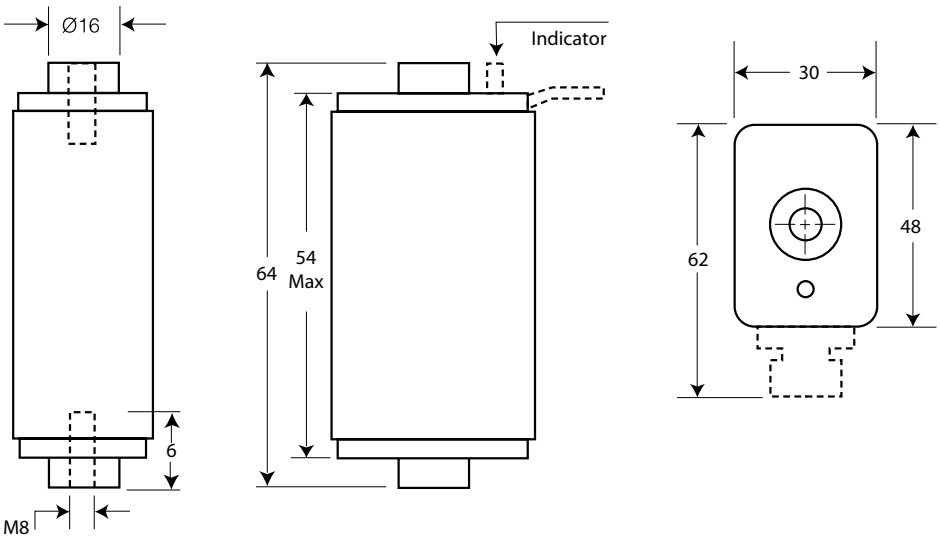
Standards / Agency information

CE, Designed and tested to IEC 60269 Part 4

Catalogue numbers

Fuse link body size	Rated voltage	Rated current (Amps)	I²t (A² Sec) Pre-arcing	I²t (A² Sec) Clearing at 660 V a.c.	Watts loss (W)	Catalogue numbers 00B/60 visual indicator	Catalogue numbers 00BTN/60 Type T indicator for micro
00	690 V a.c. (IEC)	25	19	130	6	170M2708	170M2758
		32	28.5	195	7	170M2709	170M2759
		40	50	360	9	170M2710	170M2760
		50	95	640	10	170M2711	170M2761
		63	170	1200	12	170M2712	170M2762
		80	310	2100	15	170M2713	170M2763
		100	620	4150	20	170M2714	170M2764
		125	1000	6950	25	170M2715	170M2765
		160	1900	13,000	30	170M2716	170M2766
		200	3400	23,000	35	170M2717	170M2767
		250	6250	42,000	45	170M2718	170M2768
		315	10,000	68,500	55	170M2719	170M2769
		350	13,500	91,500	60	170M2720	170M2770
		400	18,000	125,000	70	170M2721	170M2771

Dimensions (mm)

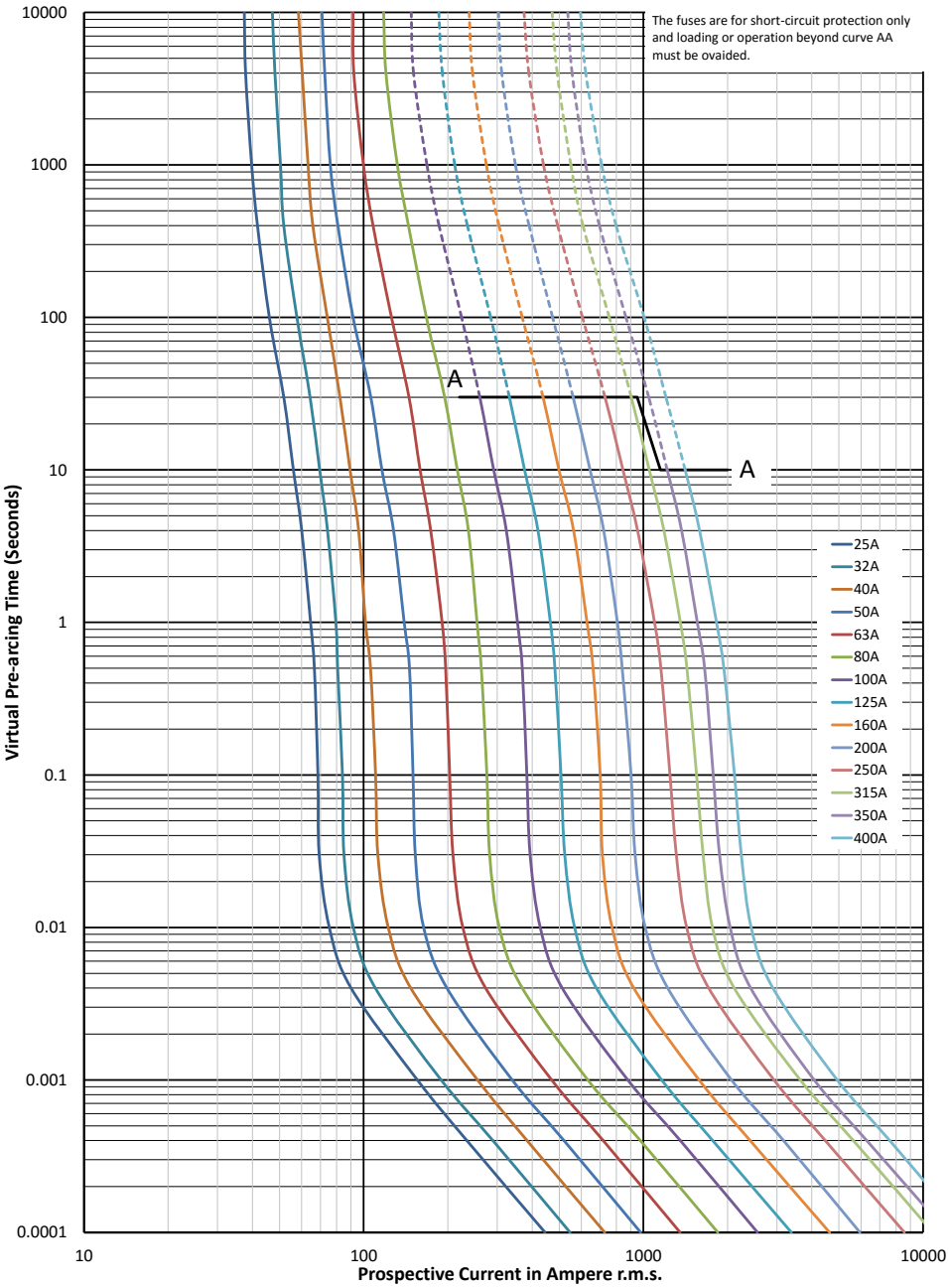


Data sheet: 170K6312

Downloaded from Arrow.com.

690 V a.c., 25 A to 400 A - Size 00 - Flus end contact - 170M

Time-current curve - Size 00, 25 A to 400 A



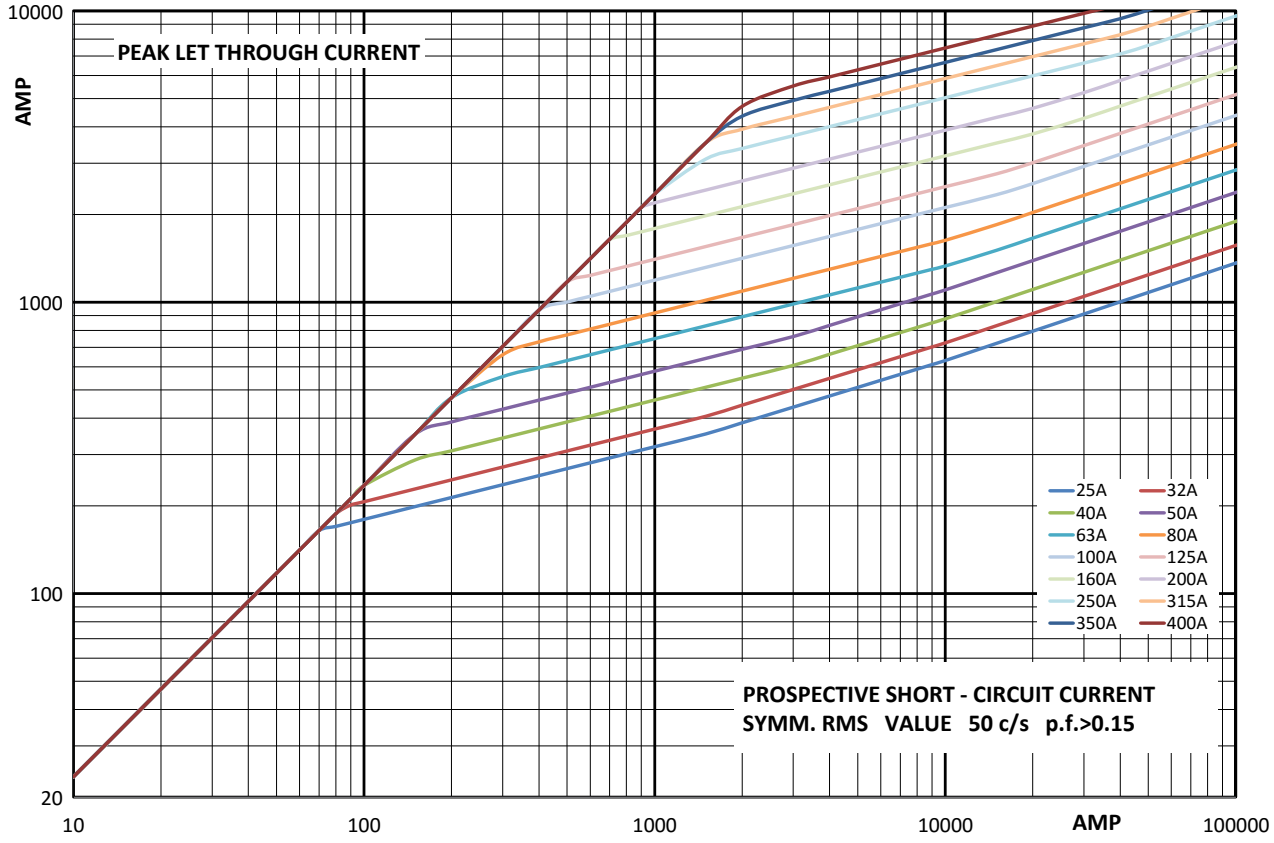
K_b = 1 N = 1.5

Data sheet: 170K6312

Downloaded from Arrow.com.

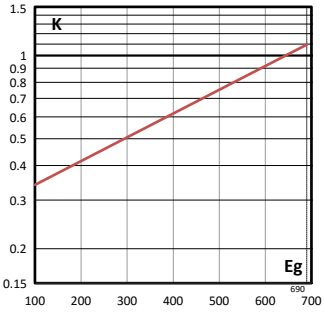
690 V a.c., 25 A to 400 A - Size 00 - Flus end contact - 170M

Cut-off curve - Size 00, 25 A to 400 A



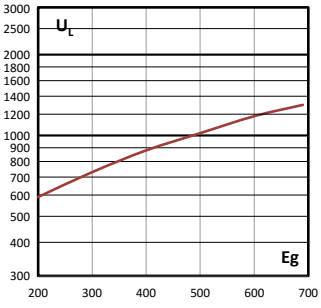
Total clearing I^2t

The total clearing I^2t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I^2t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



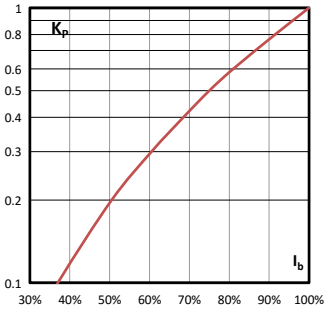
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.



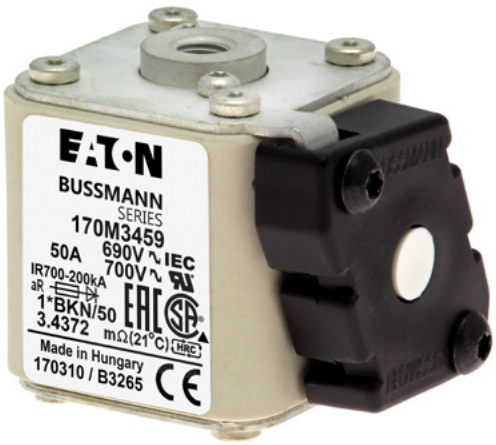
Data sheet: 170K6312

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690 V a.c. (IEC), 700 V a.c. (UL) - 40 A to 2000 A - Sizes 1* to 3- Flush end contact - 170M

Description

Square body flush end contact high speed fuse links, for the protection of DC common bus, DC drives, power converters/rectifiers and reduced rated voltage starters.



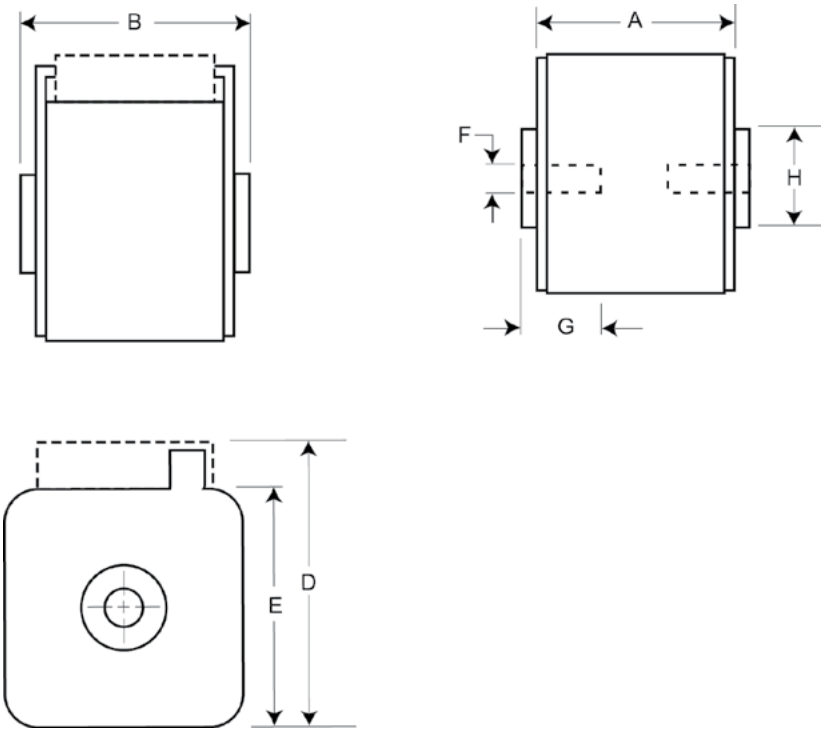
Technical data

- Rated voltage: see table page 192
- Rated current: 40 A to 2000 A
- Breaking capacity: 200 kA RMS Sym
- Operating class: aR

Standards / Agency information

CE, Designed and tested to IEC 60269 Part 4. Consult Eaton for UL Recognition, CSA Component Acceptance Status and CCC approvals

Dimensions (mm)



Size	A	B	D[3]	E	F	F[1] (in)	G min	H
1*	50	51	59	45	M8	5/16" -18 UNC-2B	5	N17
1	50	51	69	53	M8	5/16" -18 UNC-2B	8	N20
2	50	51 (400 - 1000 A) 65 (1100 and 1250 (A)	77	61	M10	3/8" -16 UNC-2B	10	N24
3	51	53 (500 - 1500 A) 65 (1600 - 2000 A)	92	76	M12	1/2" -13 UNC-2B	10	N30

[1] Valid for fuse links type -G- & -GKN/.
[3] Valid for fuse links type -BKN/ and -GKN/.

Data sheets: 170K6314 (Size 1*), 170K6316 (Size 1), 170K6318 (Size 2), 170K6320 (Size 3)

Downloaded from Arrow.com.

690 V a.c. (IEC), 700 V a.c. (UL) - 40 A to 2000 A - Sizes 1* to 3- Flush end contact - 170M

			I^2t (A^2 Sec)			Catalogue numbers			
Fuse link body size	Rated voltage	Rated current (Amps)	Pre-arcing	Clearing at 660 V a.c.	Watts loss (W)	-B/- visual indicator	-BKN/- Type K indicator for micro	-G/- visual indicator	-GKN/- Type K indicator for micro
1*	690 V a.c. (IEC) 700 V a.c. (UL)	40	40	270	11	170M3408	170M3458	170M3508	170M3558
		50	77	515	13	170M3409	170M3459	170M3509	170M3559
		63	115	770	17	170M3410	170M3460	170M3510	170M3560
		80	185	1250	21	170M3411	170M3461	170M3511	170M3561
		100	360	2450	24	170M3412	170M3462	170M3512	170M3562
		125	550	3700	30	170M3413	170M3463	170M3513	170M3563
		160	1100	7500	34	170M3414	170M3464	170M3514	170M3564
		200	2200	15,000	41	170M3415	170M3465	170M3515	170M3565
		250	4200	28,500	47	170M3416	170M3466	170M3516	170M3566
		315	7000	46,500	60	170M3417	170M3467	170M3517	170M3567
		350	10,000	68,500	64	170M3418	170M3468	170M3518	170M3568
		400	15,000	105,000	69	170M3419	170M3469	170M3519	170M3569
		450	21,000	140,000	75	170M3420	170M3470	170M3520	170M3570
		500	27,000	180,000	83	170M3421	170M3471	170M3521	170M3571
		550	34,000	230,000	89	170M3422	170M3472	170M3522	170M3572
		630	48,500	325,000	100	170M3423	170M3473	170M3523	170M3573
1	690 V a.c. (IEC) 700 V a.c. (UL)	200	1650	11,500	45	170M4408	170M4458	170M4508	170M4558
		250	3100	21,000	55	170M4409	170M4459	170M4509	170M4559
		315	6200	42,000	58	170M4410	170M4460	170M4510	170M4560
		350	8500	59,000	60	170M4411	170M4461	170M4511	170M4561
		400	13,500	91,500	65	170M4412	170M4462	170M4512	170M4562
		450	17,000	120,000	70	170M4413	170M4463	170M4513	170M4563
		500	25,000	170,000	72	170M4414	170M4464	170M4514	170M4564
		550	34,000	230,000	75	170M4415	170M4465	170M4515	170M4565
		630	52,000	350,000	80	170M4416	170M4466	170M4516	170M4566
		700	69,500	465,000	85	170M4417	170M4467	170M4517	170M4567
		800	105,000	725,000	95	170M4418	170M4468	170M4518	170M4568
	550 V a.c. (IEC)	900	155,000	850,000	100	170M4419	170M4469	170M4519	170M4569
2	690 V a.c. (IEC) 700 V a.c. (UL)	400	11,000	74,000	65	170M5408	170M5458	170M5508	170M5558
		450	15,500	105,000	70	170M5409	170M5459	170M5509	170M5559
		500	21,500	145,000	75	170M5410	170M5460	170M5510	170M5560
		550	28,000	190,000	80	170M5411	170M5461	170M5511	170M5561
		630	41,000	275,000	90	170M5412	170M5462	170M5512	170M5562
		700	60,500	405,000	95	170M5413	170M5463	170M5513	170M5563
		800	86,000	575,000	105	170M5414	170M5464	170M5514	170M5564
		900	125,000	840,000	110	170M5415	170M5465	170M5515	170M5565
		1000	180,000	1,250,000	115	170M5416	170M5466	170M5516	170M5566
	600 V a.c. (IEC) 700 V a.c. (UL)	1100	245,000	1,600,000	120	170M5417	170M5467	170M5517	170M5567
		1250	365,000	2,400,000	130	170M5418	170M5468	170M5518	170M5568

Data sheets: 170K6314 (Size 1*), 170K6316 (Size 1), 170K6318 (Size 2), 170K6320 (Size 3)

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690 V a.c. (IEC), 700 V a.c. (UL) - 40 A to 2000 A - Sizes 1* to 3- Flush end contact - 170M

			I²t (A² Sec)			Catalogue numbers			
Fuse link body size	Rated voltage	Rated current (Amps)	Pre-arcing	Clearing at 660 V a.c.	Watts loss (W)	-B/- visual indicator	-BKN/- Type K indicator for micro	-G/- visual indicator	-GKN/- Type K indicator for micro
3	690 V a.c. (IEC) 700 V a.c. (UL)	500	14,000	95,000	95	170M6408	170M6458	170M6508	170M6558
		550	19,500	135,000	100	170M6409	170M6459	170M6509	170M6559
		630	31,000	210,000	105	170M6410	170M6460	170M6510	170M6560
		700	44,500	300,000	110	170M6411	170M6461	170M6511	170M6561
		800	69,500	465,000	115	170M6412	170M6462	170M6512	170M6562
		900	100,000	670,000	120	170M6413	170M6463	170M6513	170M6563
		1000	140,000	945,000	125	170M6414	170M6464	170M6514	170M6564
		1100	190,000	1,300,000	130	170M6415	170M6465[1]	170M6515	170M6565
		1250	290,000	1,950,000	140	170M6416	170M6466	170M6516	170M6566
		1400	370,000	2,450,000	155	170M6417	170M6467[1]	170M6517	170M6567
		1500	460,000	3,100,000	160	170M6418	170M6468	170M6518	170M6568
		1600	580,000	3,900,000	160	170M6419	170M6469	170M6519	170M6569
	600 V a.c. (IEC) / 500 V a.c. (UL)	1800	880,000	5,250,000	165	170M6420[2]	170M6470	170M6520[2]	170M6570
	550 V a.c. IEC) / 500 V a.c. (UL)	2000	1,150,000	6,350,000	175	170M6421	170M6471	170M6521	170M6571

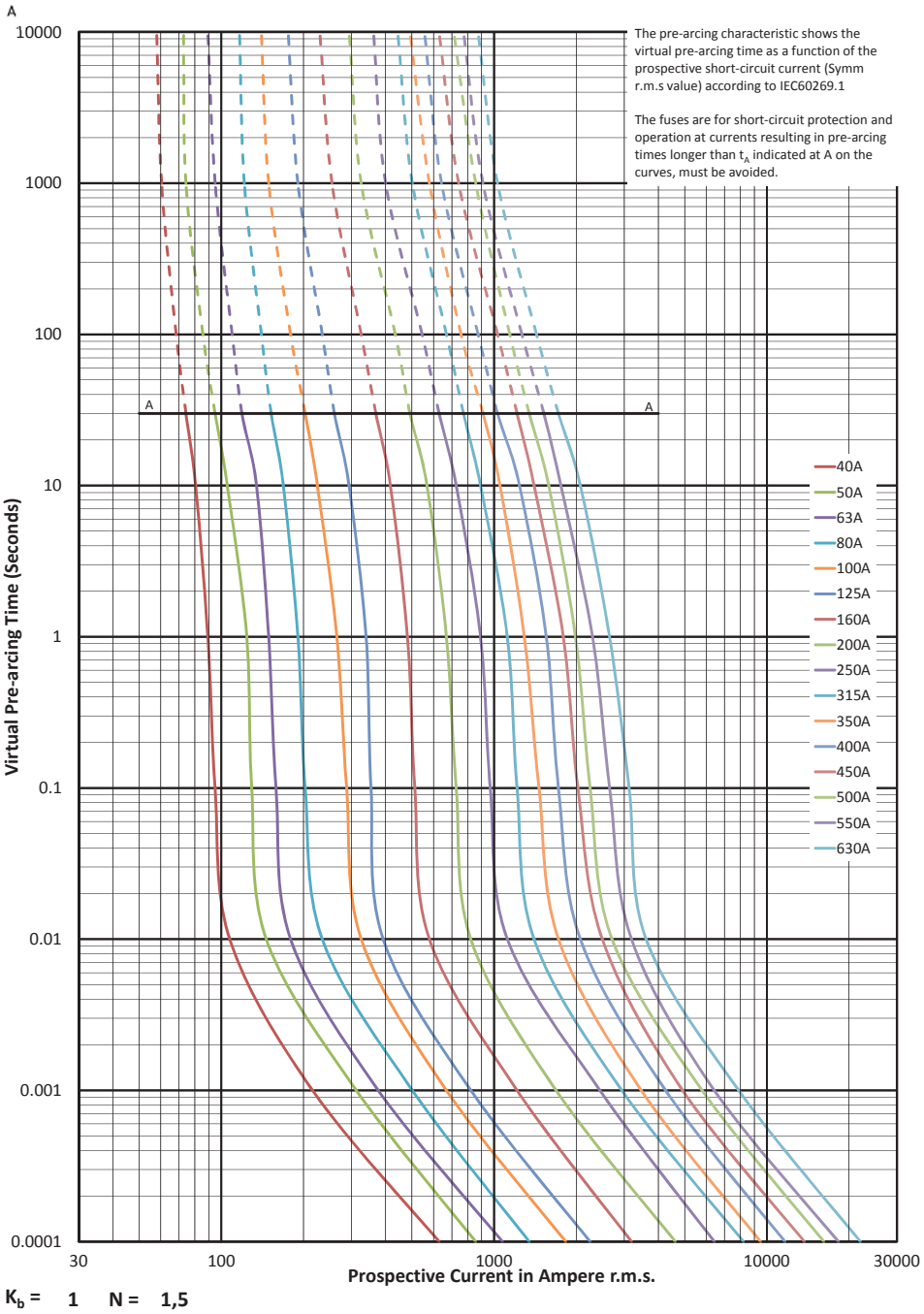
[1] 170M6465 and 170M6467 rated at 800 V d.c. UL 85kA 3ms TC when two fuses are connected in series
[2] 170M6420 and 170M6520 rated at 750 V d.c. 12XIn 130 kA when two fuses are connected in series

Data sheets: 170K6314 (Size 1*), 170K6316 (Size 1), 170K6318 (Size 2), 170K6320 (Size 3)

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690 V a.c. (IEC), 700 V a.c. (UL) - 40 A to 2000 A - Sizes 1* to 3- Flush end contact - 170M

Time-current curve - Size 1*, 40 A to 630 A



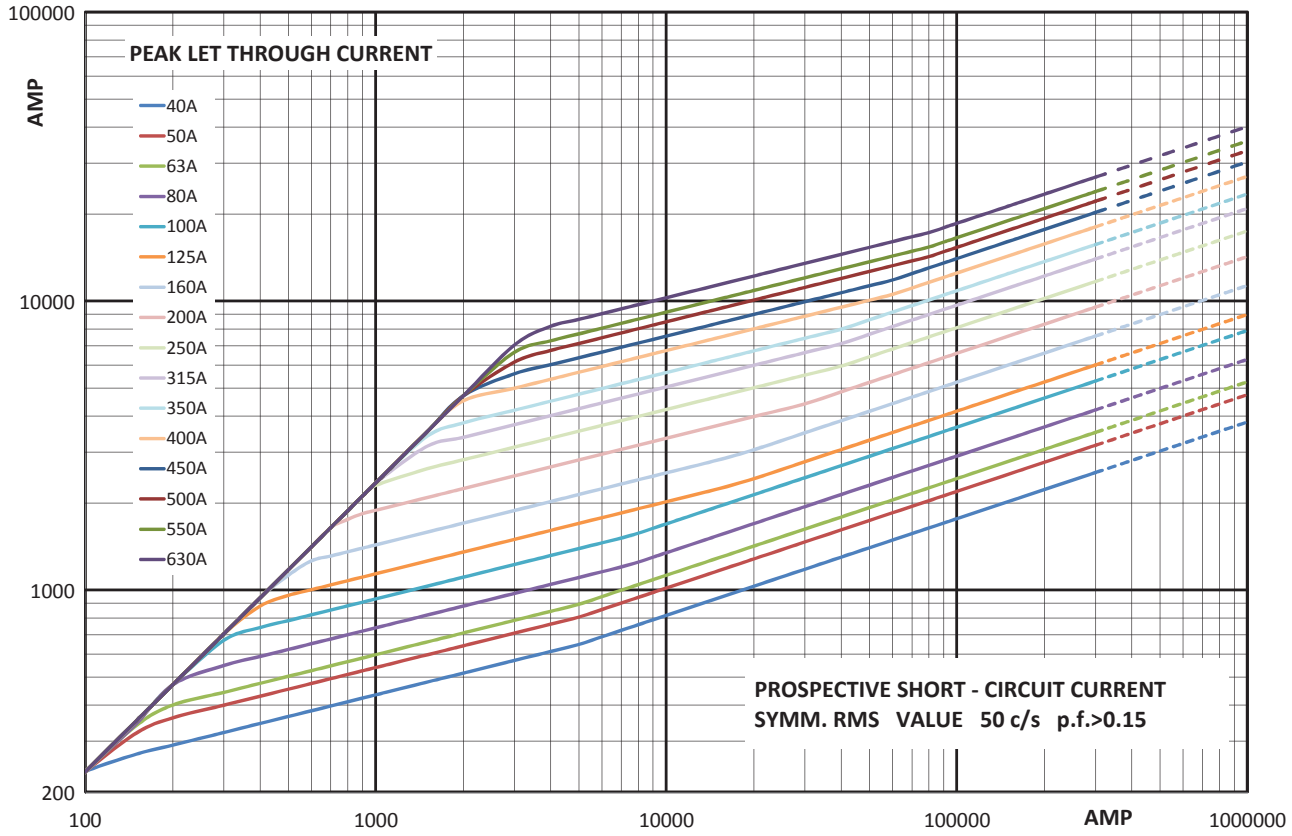
K_b = 1 N = 1,5

Data sheets: 170K6314 (Size 1*), 170K6316 (Size 1), 170K6318 (Size 2), 170K6320 (Size 3)

Downloaded from Arrow.com.

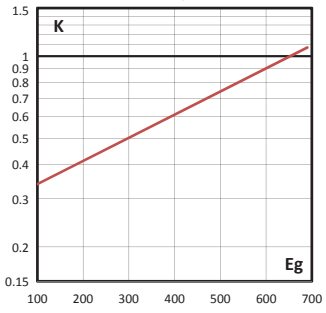
690 V a.c. (IEC), 700 V a.c. (UL) - 40 A to 2000 A - Sizes 1* to 3- Flush end contact - 170M

Cut-off curve - Size 1*, 40 A to 630 A



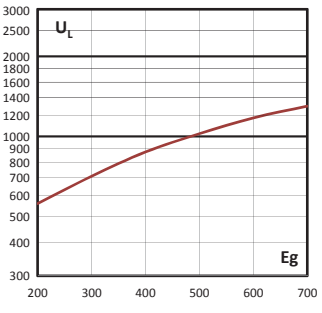
Total clearing I^2t

The total clearing I^2t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I^2t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



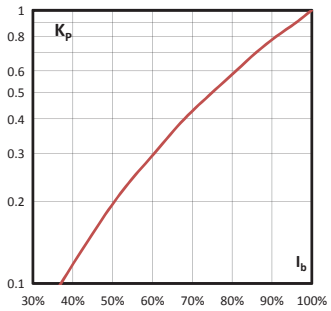
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.

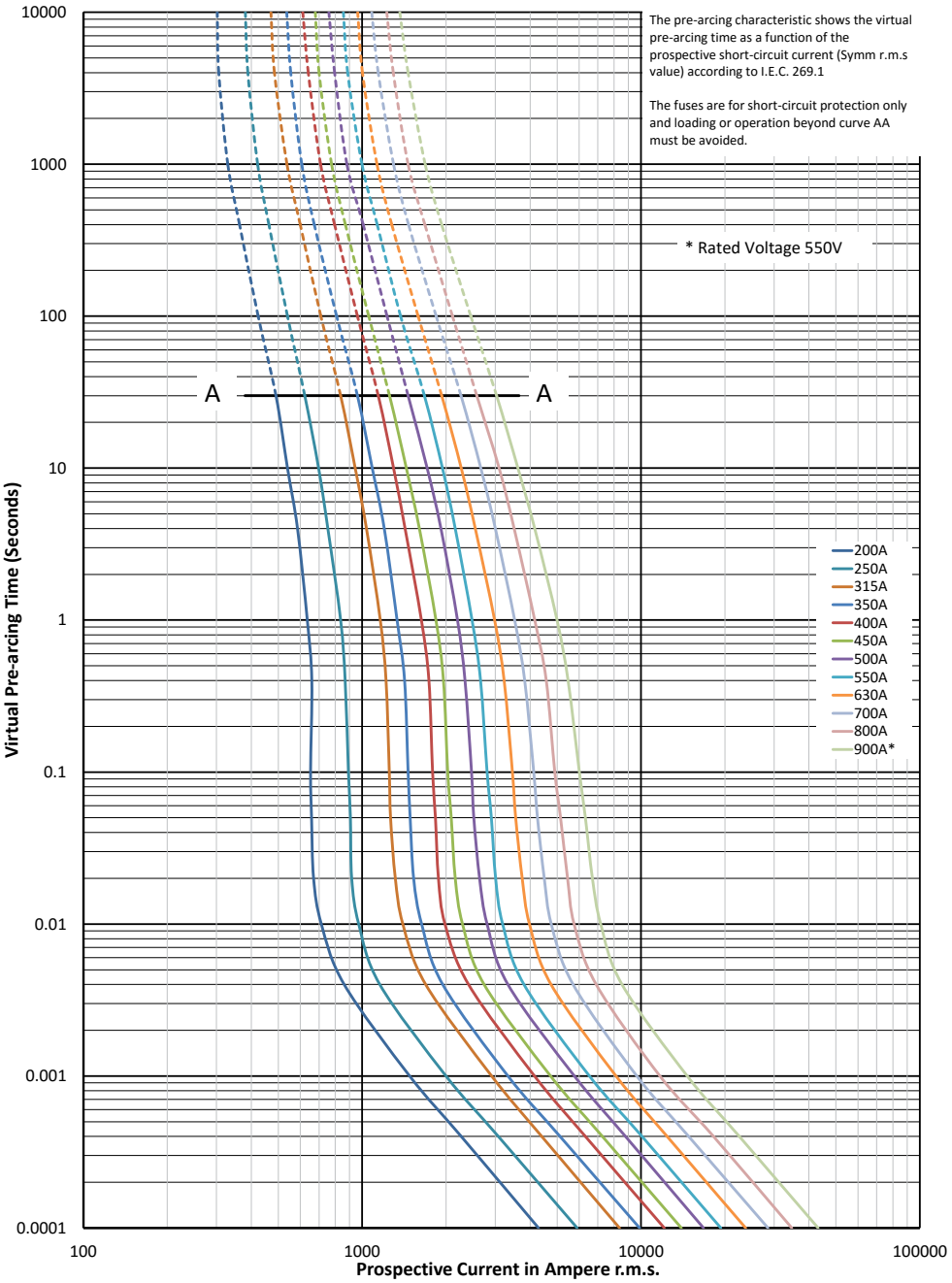


Data sheets: 170K6314 (Size 1*), 170K6316 (Size 1), 170K6318 (Size 2), 170K6320 (Size 3)

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690 V a.c. (IEC), 700 V a.c. (UL) - 40 A to 2000 A - Sizes 1* to 3- Flush end contact - 170M

Time-current curve - Size 1, 200 A to 900 A



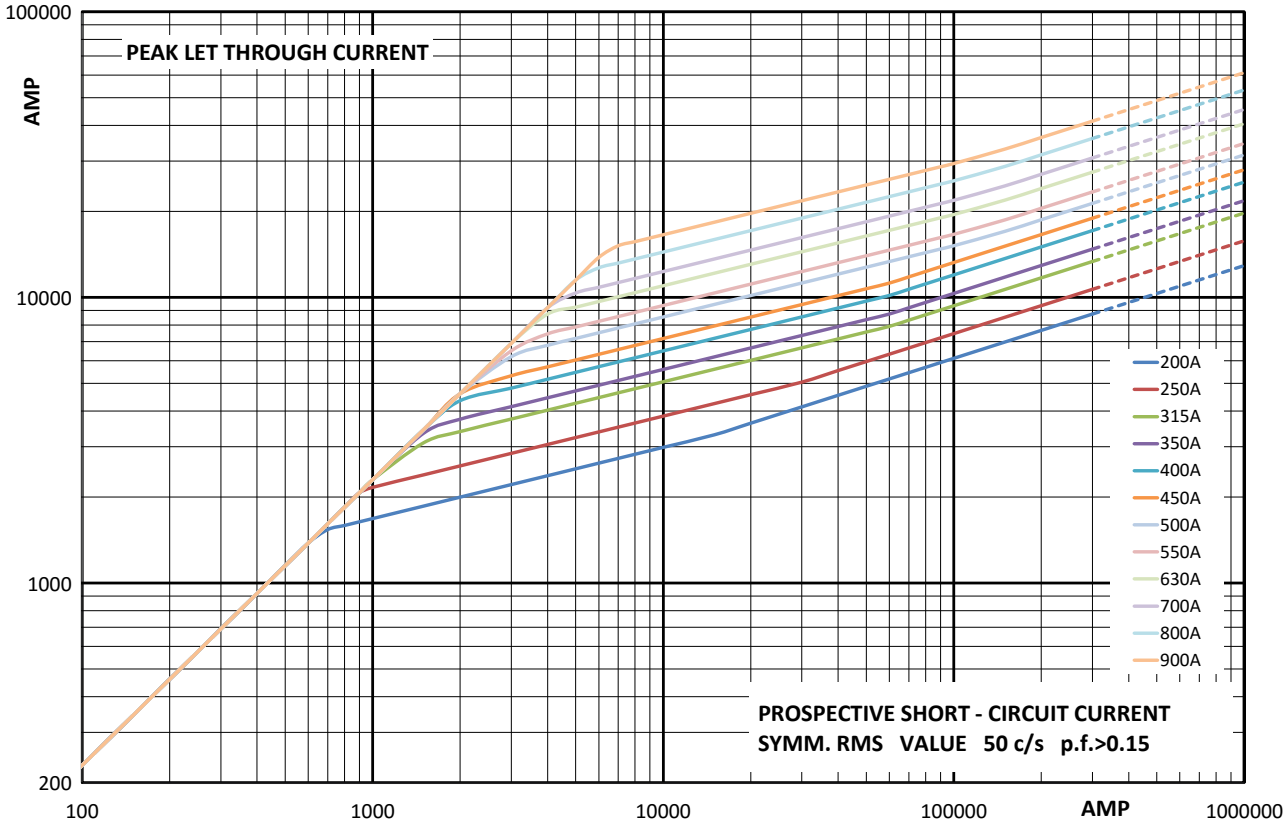
K_b = 1 N = 1.5

Data sheets: 170K6314 (Size 1*), 170K6316 (Size 1), 170K6318 (Size 2), 170K6320 (Size 3)

Downloaded from Arrow.com.

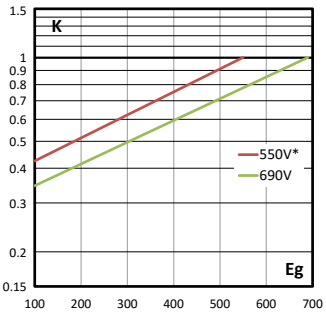
690 V a.c. (IEC), 700 V a.c. (UL) - 40 A to 2000 A - Sizes 1* to 3- Flush end contact - 170M

Cut-off curve - Size 1, 200 A to 900 A



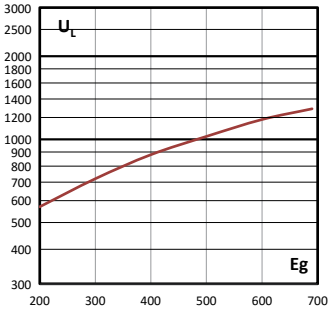
Total clearing I²t

The total clearing I²t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I²t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



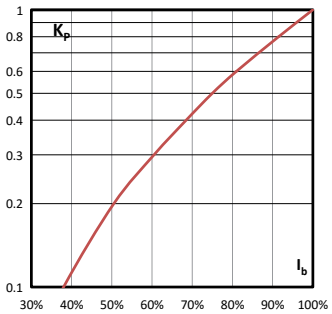
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.

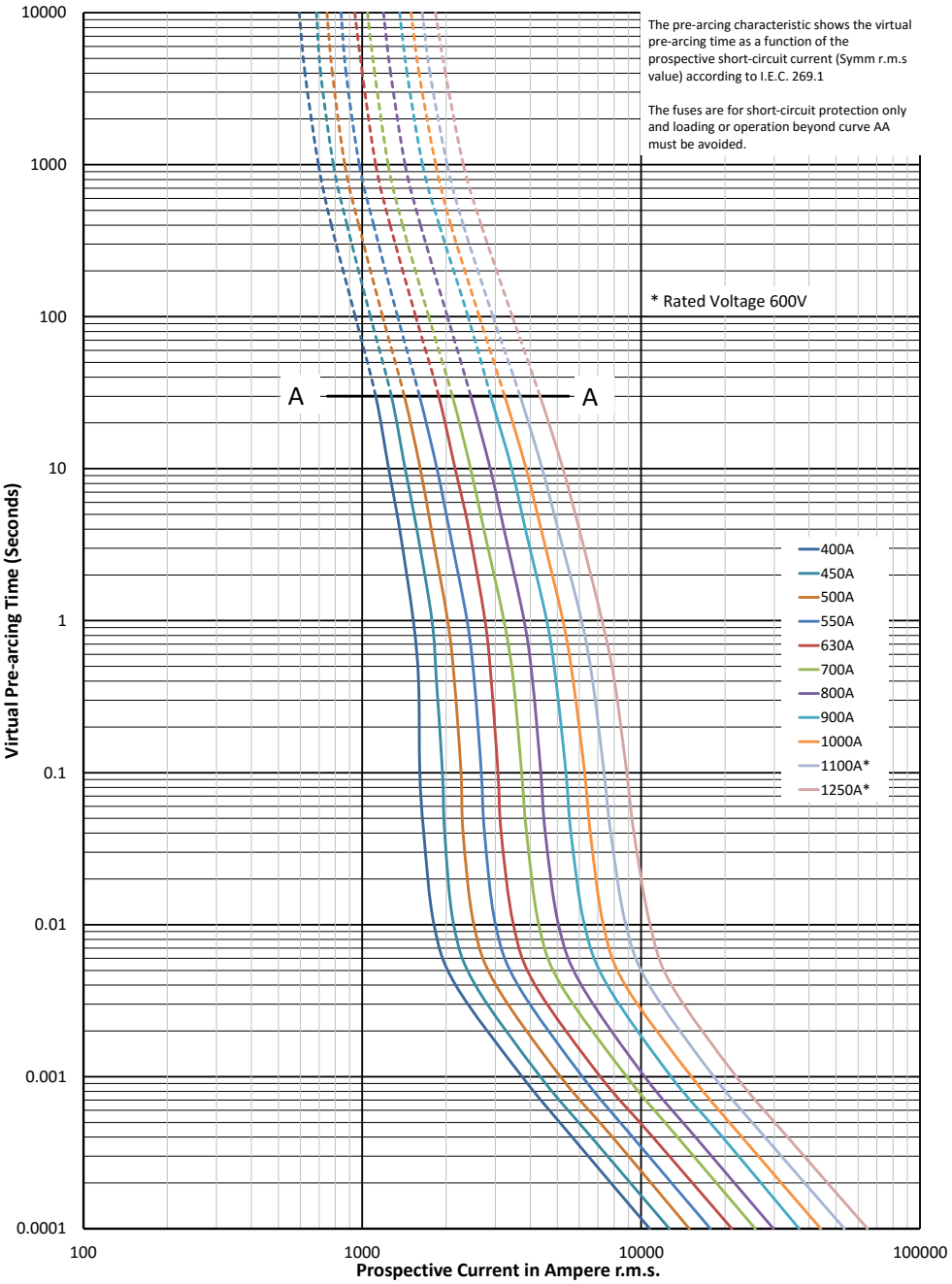


Data sheets: 170K6314 (Size 1*), 170K6316 (Size 1), 170K6318 (Size 2), 170K6320 (Size 3)

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690 V a.c. (IEC), 700 V a.c. (UL) - 40 A to 2000 A - Sizes 1* to 3- Flush end contact - 170M

Time-current curve - Size 2, 400 A to 1250 A



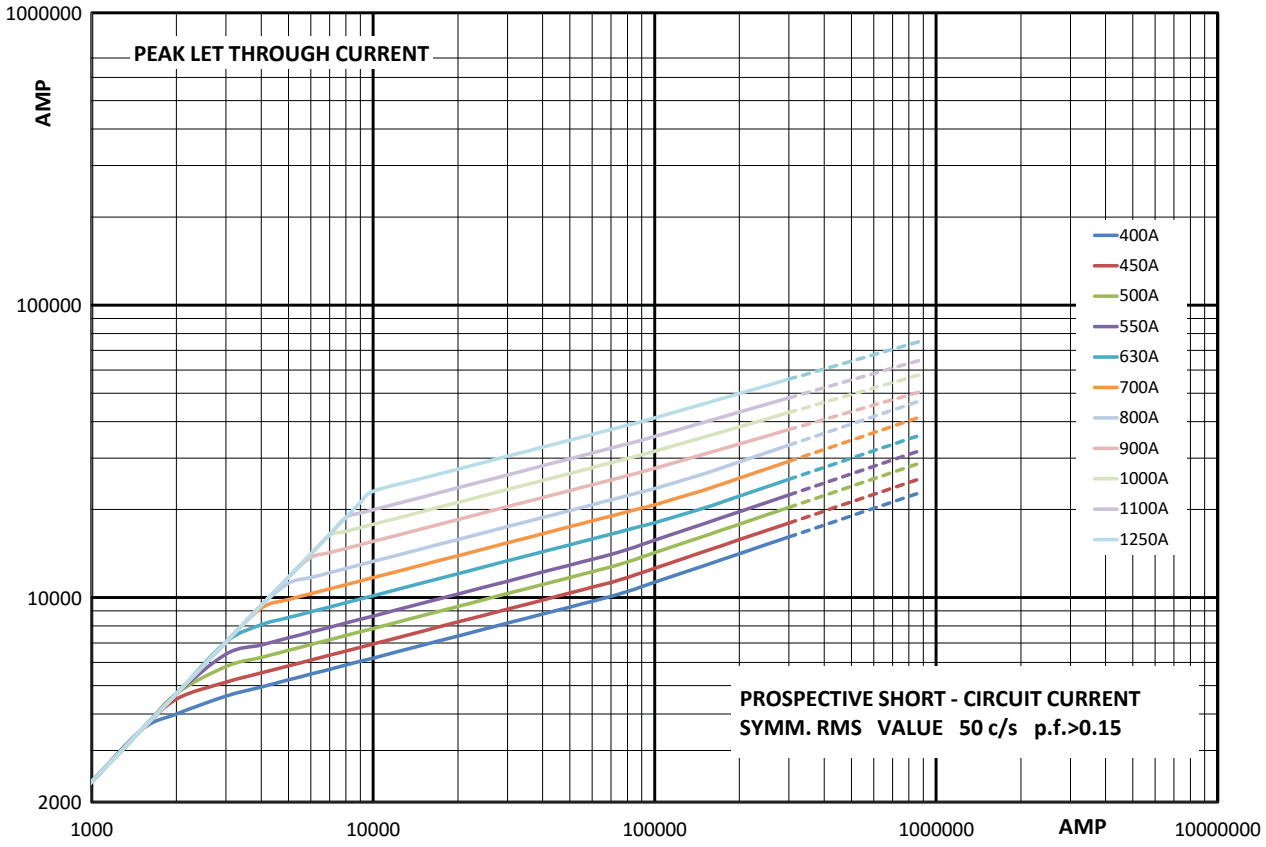
K_b = 1 N = 1.5

Data sheets: 170K6314 (Size 1*), 170K6316 (Size 1), 170K6318 (Size 2), 170K6320 (Size 3)

Downloaded from Arrow.com.

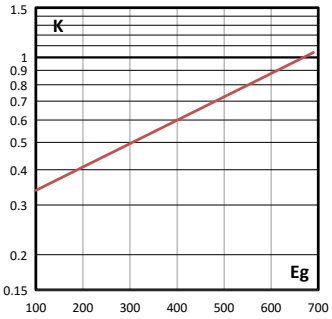
690 V a.c. (IEC), 700 V a.c. (UL) - 40 A to 2000 A - Sizes 1* to 3- Flush end contact - 170M

Cut-off curve - Size 2, 400 A to 1250 A



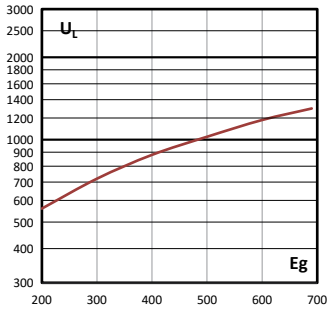
Total clearing I^2t

The total clearing I^2t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I^2t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



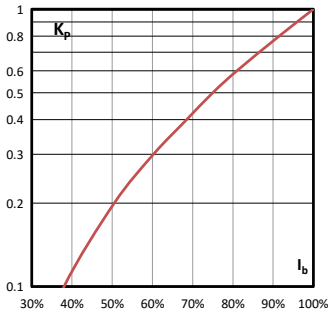
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p, is given as a function of the RMS load current, I_b, in percent of the rated current.

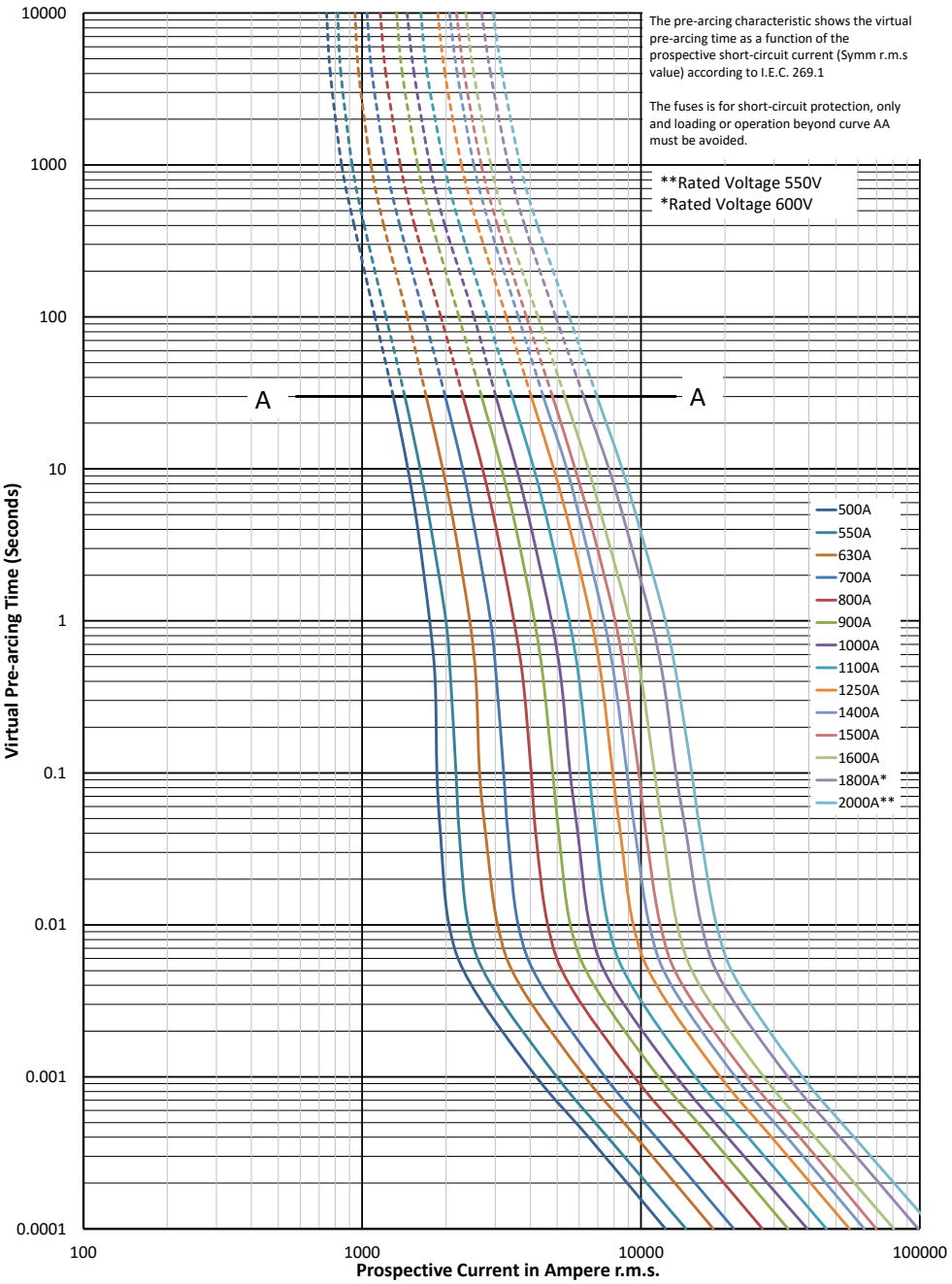


Data sheets: 170K6314 (Size 1*), 170K6316 (Size 1), 170K6318 (Size 2), 170K6320 (Size 3)

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690 V a.c. (IEC), 700 V a.c. (UL) - 40 A to 2000 A - Sizes 1* to 3- Flush end contact - 170M

Time-current curve - Size 3, 500 A to 2000 A



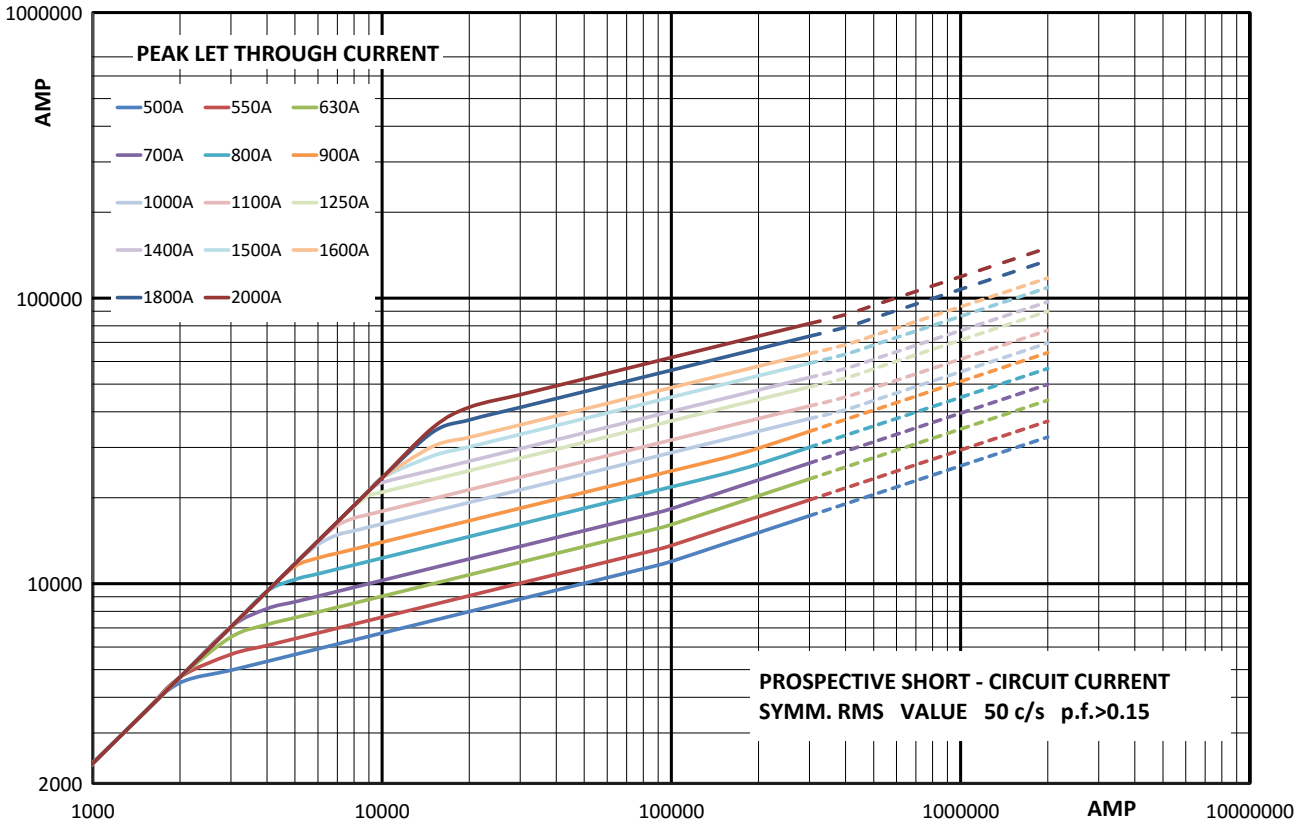
K_b = 1 N = 1.5

Data sheets: 170K6314 (Size 1*), 170K6316 (Size 1), 170K6318 (Size 2), 170K6320 (Size 3)

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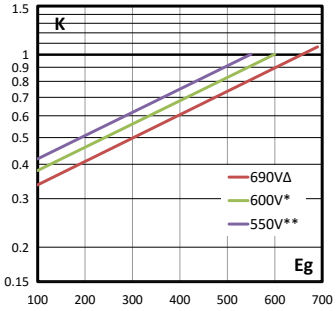
690 V a.c. (IEC), 700 V a.c. (UL) - 40 A to 2000 A - Sizes 1* to 3- Flush end contact - 170M

Cut-off curve - Size 3, 500 A to 2000 A



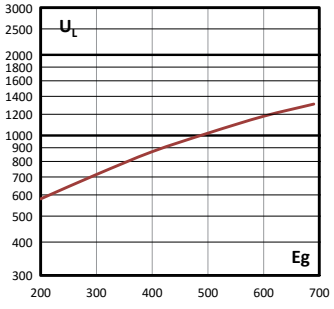
Total clearing I^2t

The total clearing I^2t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I^2t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



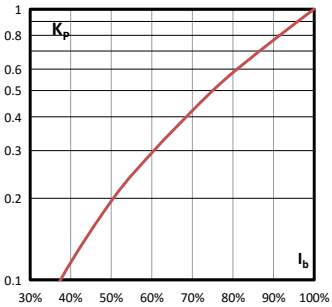
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.



Data sheets: 170K6314 (Size 1*), 170K6316 (Size 1), 170K6318 (Size 2), 170K6320 (Size 3)

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1000 V a.c. (IEC and UL) - 50 A to 1400 A - Sizes 1* to 3 - Flush end contact - 170M

Description

Square body flush end contact high speed fuse links, for the protection of DC common bus, DC drives, power converters/rectifiers and reduced rated voltage starters.



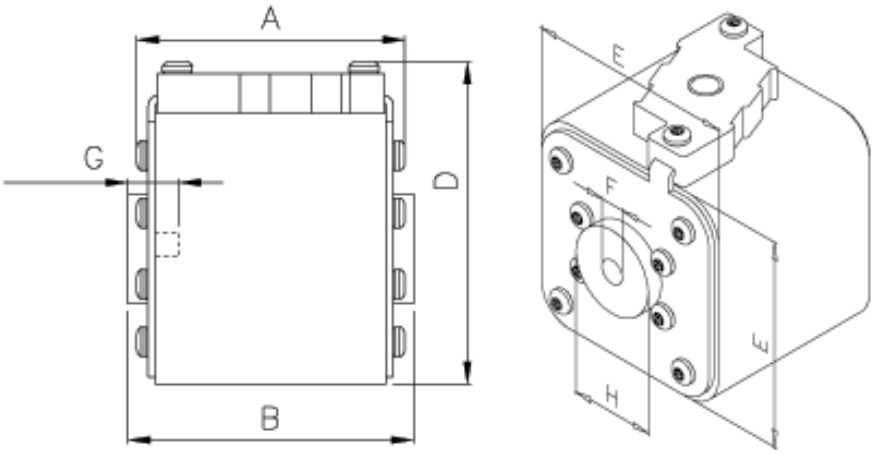
Technical data

- Rated voltage:
  - 1000 V a.c. (IEC, 50 A to 1250 A)
  - 1000 V a.c. (UL, 250 A to 1100 A)
  - 900 V a.c. (IEC, 1400 A)
- Rated current: 50 A to 1400 A
- Breaking capacity:
  - 125kA RMS Sym. AC
  - Size 1 DC 750 V d.c. 50 kA IR
- Operating class: aR

Standards / Agency information

CE, Designed and tested to IEC 60269 Part 4, UL Recognised for size 2 and 3 (only up to 1100 A)

Dimensions (mm)



Size	Type	A	B	D (max)	E	F	F[1] (in)	G (min)	H
1*	BKN/75 + GKN/75	72.5	74	61	43	M8	5/16"18 UNC-2B	5	17.5
1	BKN/75 + GKN/75	73.2	74	69	52	M8	5/16" 18 UNC-2B	8	20
2	BKN/75 + GKN/75	73.2	74.4	77	59	M10	3/8" 16 UNC-2B	10	24.5
3	BKN/75 + GKN/75	73.3	75.4	92	74	M12	½" 13 UNC-2B	10	30
3	BKN/90 + GKN/90	80.3	91.4	92	74	M12	½"13 UNC-2B	10	30

[1] Valid for fuses type -GKN/-.

Data sheets: 170K8564 (Size 1*), 170K8566 (Size 1), 170K8568 (Size 2), 170K8570 (Size 3)

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1000 V a.c. (IEC and UL) - 50 A to 1400 A - Sizes 1* to 3 - Flush end contact - 170M

Catalogue numbers

Fuse link body size	Rated voltage	Rated current (Amps)	I²t (A² Sec) Pre-arcing	I²t (A² Sec) Clearing at rated voltage	Watts loss (W)	Catalogue numbers -BKN/- Type K indicator for micro	Catalogue numbers -GKN/- Type K indicator for micro
1*	1000 V a.c. (IEC)	50	135	815	20	170M3951	170M3921
		63	215	1300	25	170M3952	170M3922
		80	460	2750	30	170M3953	170M3923
		100	860	5100	35	170M3954	170M3924
		125	1450	8600	40	170M3955	170M3925
		160	2850	17,500	45	170M3956	170M3926
		200	4950	29,500	50	170M3957	170M3927
		250	9550	57,000	55	170M3958	170M3928
		315	21,500	130,000	65	170M3959	170M3929
		350	29,000	175,000	70	170M3960	170M3930
		400	42,000	250,000	75	170M3961	170M3931
1	1000 V a.c. (IEC) 1000 V a.c. / 750 V d.c. (UL)	160	2200	13,500	40	170M4951	170M4921
		200	4150	24,500	45	170M4952	170M4922
		250	7750	46,000	52	170M4953	170M4923
		315	16,500	98,500	60	170M4954	170M4924
		350	21,500	130,000	65	170M4955	170M4925
		400	31,000	185,000	70	170M4956	170M4926
		450	44,500	265,000	80	170M4957	170M4927
		500	63,000	375,000	85	170M4958	170M4928
		550	84,500	500,000	90	170M4959	170M4929
		630	125,000	755,000	98	170M4960	170M4930
2	1000 V a.c. (IEC/UL)	250	6750	40,000	65	170M5952	170M5922
		315	13,500	81,500	75	170M5953	170M5923
		350	16,500	99,000	80	170M5954	170M5924
		400	26,000	155,000	85	170M5955	170M5925
		450	35,500	210,000	90	170M5956	170M5926
		500	49,500	295,000	95	170M5957	170M5927
		550	66,000	390,000	100	170M5958	170M5928
		630	93,500	555,000	110	170M5959	170M5929
		700	130,000	770,000	115	170M5960	170M5930
		800	195,000	1,200,000	125	170M5961	170M5931
3	1000 V a.c. (IEC/UL)	315	9200	54,500	90	170M8600	170M8500
		350	13,000	77,500	95	170M8601	170M8501
		400	19,000	115,000	105	170M8602	170M8502
		450	27,000	160,000	107	170M8603	170M8503
		500	37,500	225,000	110	170M8604	170M8504
		550	52,000	310,000	115	170M8605	170M8505
		630	82,500	490,000	120	170M8606	170M8506
		700	115,000	700,000	125	170M8607	170M8507
		800	170,000	1,050,000	135	170M8608	170M8508
		900	250,000	1,500,000	145	170M8609	170M8509
		1000	340,000	2,050,000	150	170M8610	170M8510
		1100	460,000	2,750,000	155	170M8611	170M8511
	1000 V a.c. (IEC)	1250	575,000	3,400,000	175	170M8612[1]	170M8512[1]
	900 V a.c. (IEC)	1400	795,000	4,200,000	185	170M8613[1]	170M8513[1]

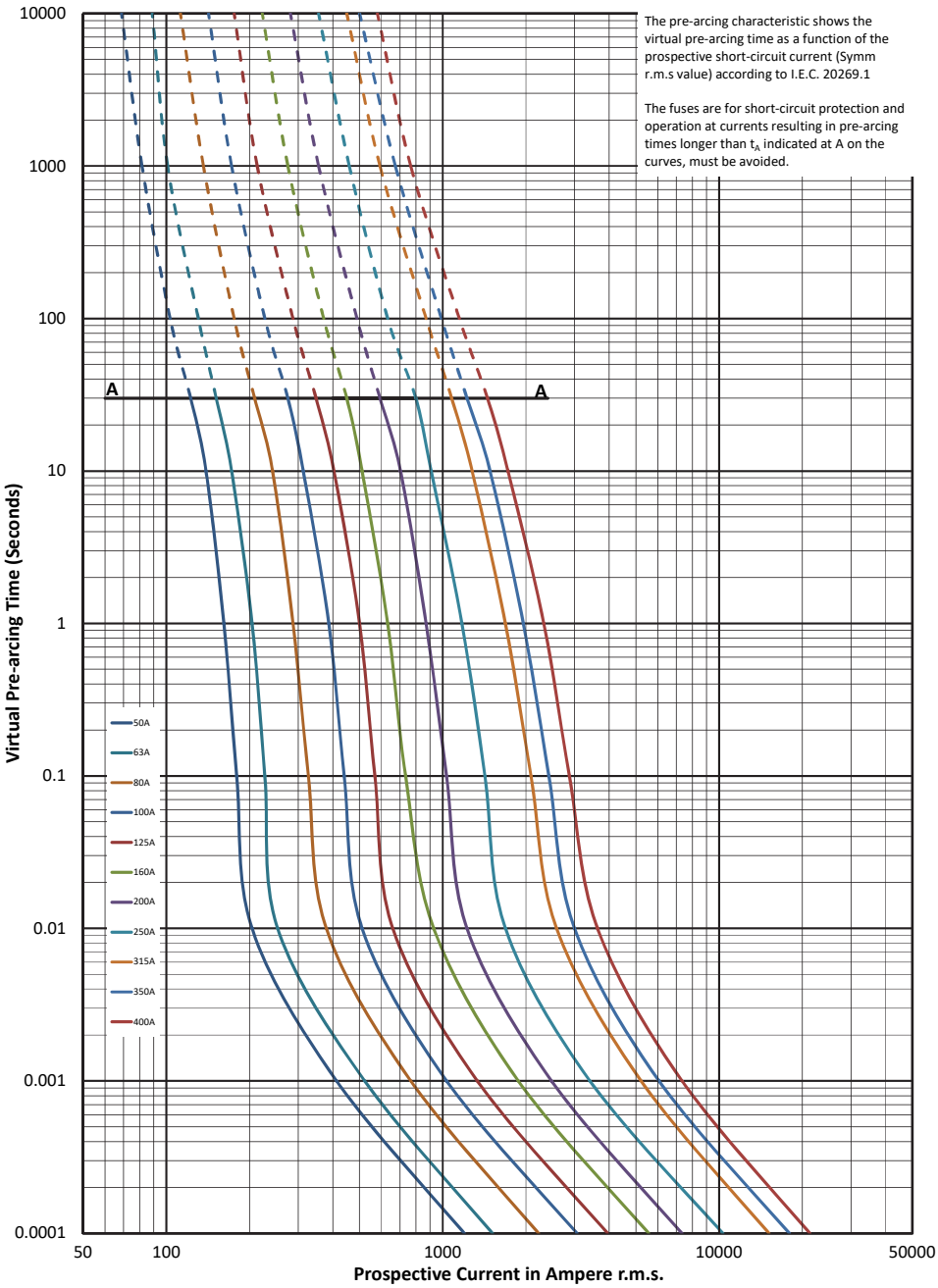
[1] Overall length is 90 mm, for all other fuse links the overall length is 75 mm.

Data sheets: 170K8564 (Size 1*), 170K8566 (Size 1), 170K8568 (Size 2), 170K8570 (Size 3)

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1000 V a.c. (IEC and UL) - 50 A to 1400 A - Sizes 1* to 3 - Flush end contact - 170M

Time-current curve - Size 1*, 50 A to 400 A



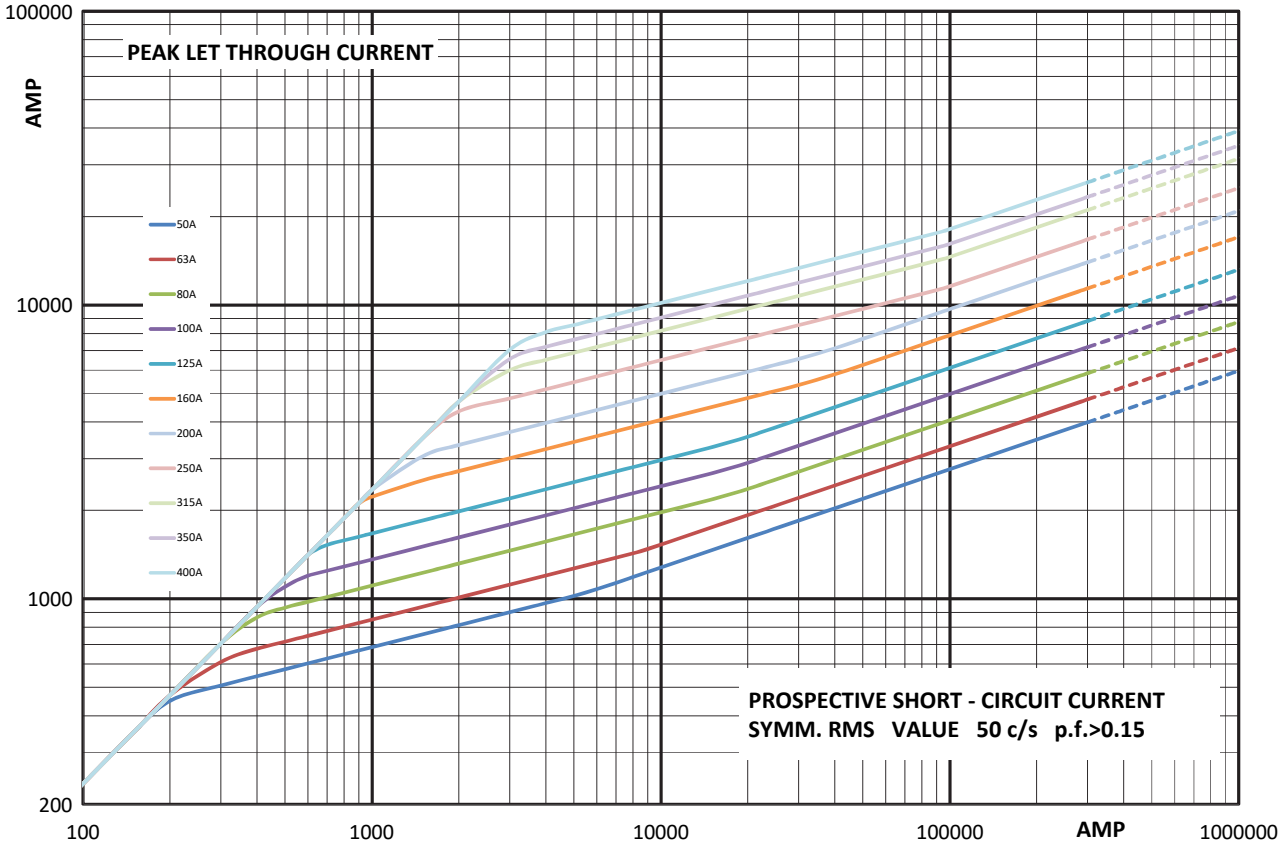
K_b = 1 N = 1,6

Data sheets: 170K8564 (Size 1*), 170K8566 (Size 1), 170K8568 (Size 2), 170K8570 (Size 3)

Downloaded from Arrow.com.

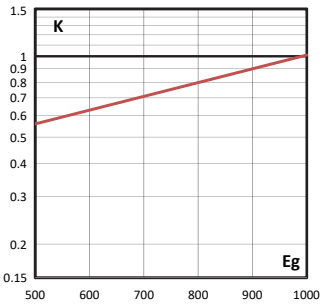
1000 V a.c. (IEC and UL) - 50 A to 1400 A - Sizes 1* to 3 - Flush end contact - 170M

Cut-off curve - Size 1*, 50 A to 400 A



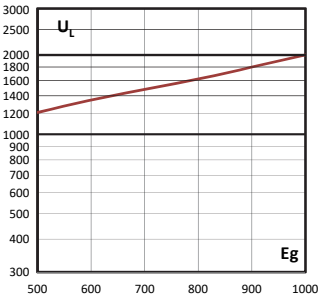
Total clearing I²t

The total clearing I²t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I²t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



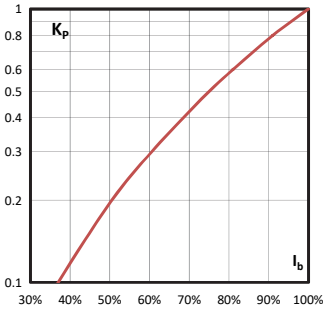
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.

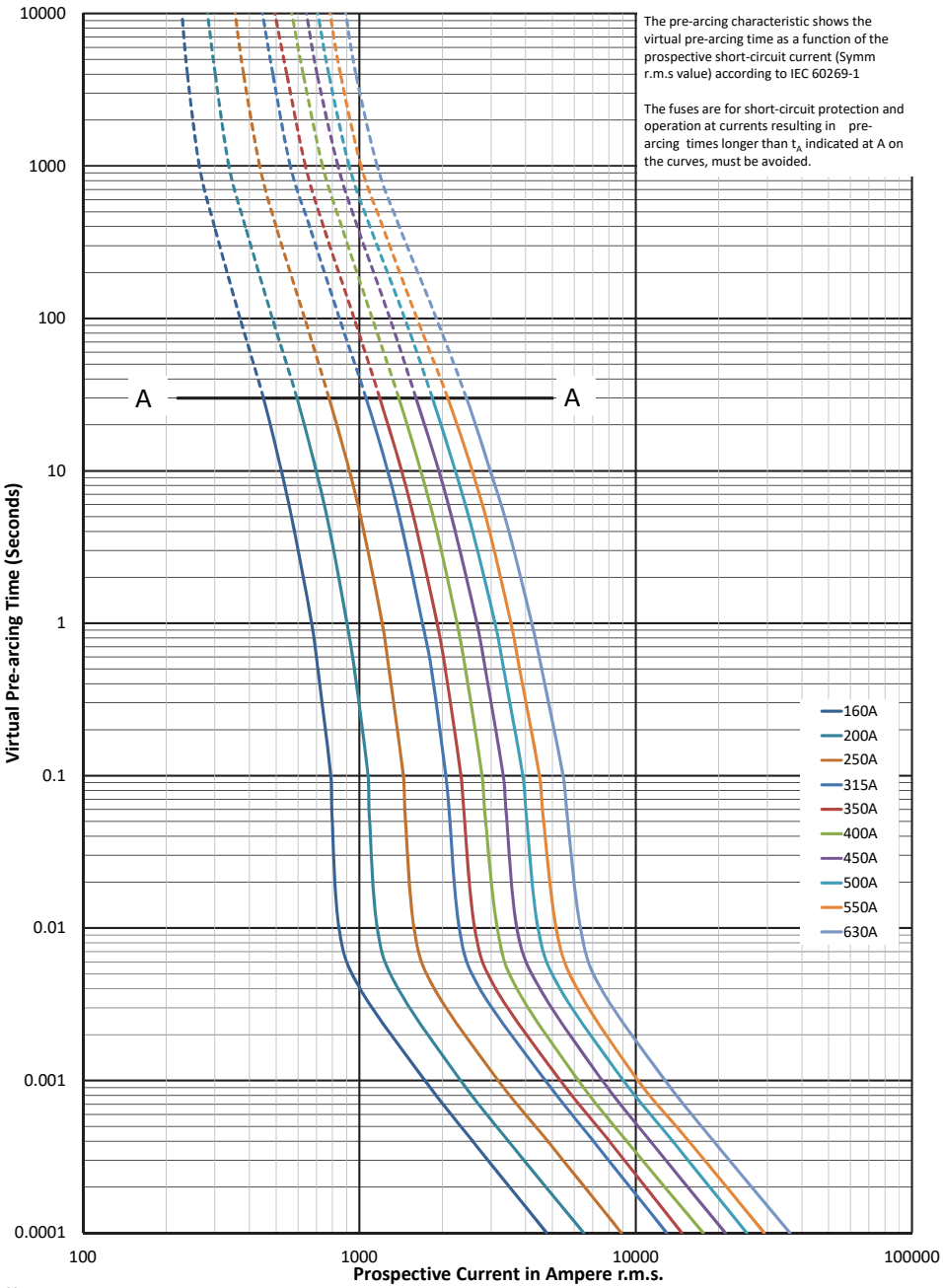


Data sheets: 170K8564 (Size 1*), 170K8566 (Size 1), 170K8568 (Size 2), 170K8570 (Size 3)

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1000 V a.c. (IEC and UL) - 50 A to 1400 A - Sizes 1* to 3 - Flush end contact - 170M

Time-current curve - Size 1, 160 A to 630 A



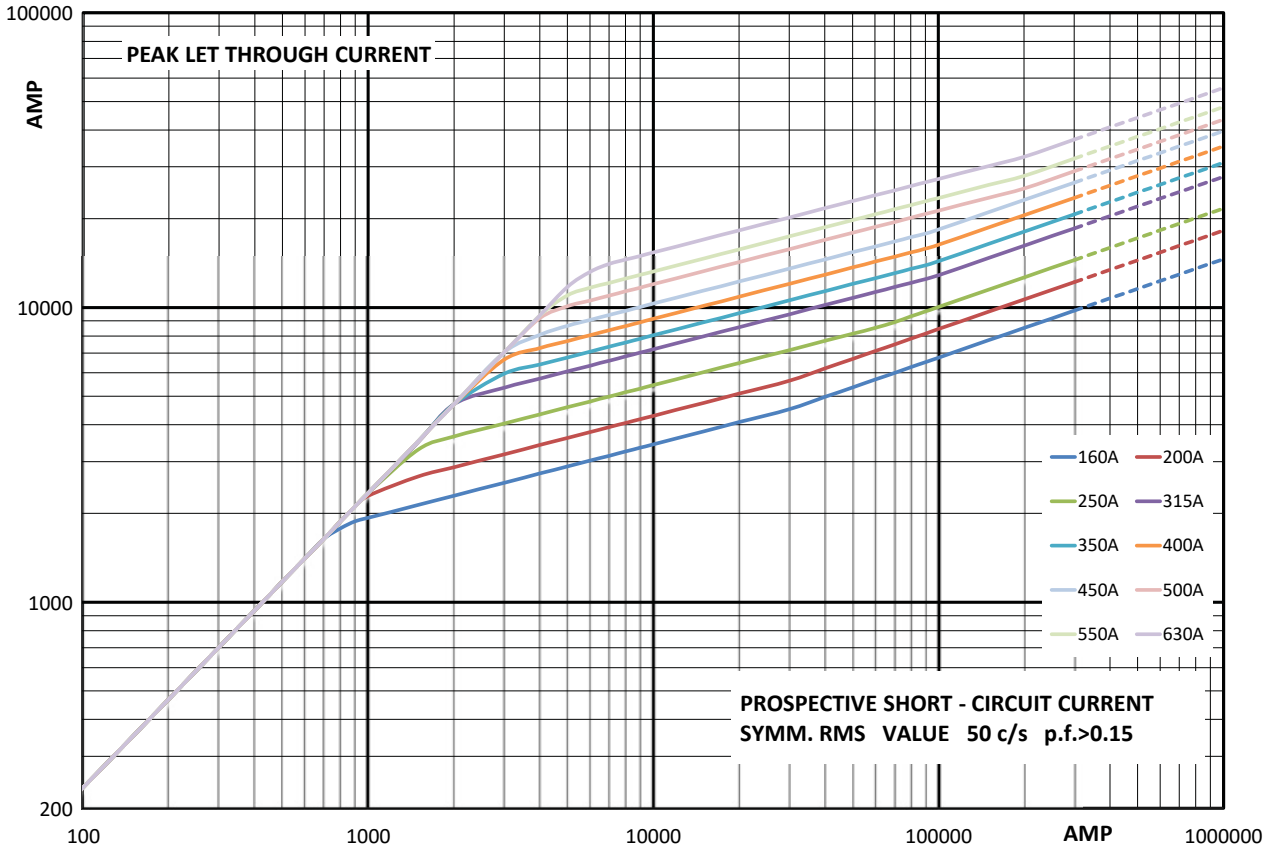
K_b = 1 N = 1.6

Data sheets: 170K8564 (Size 1*), 170K8566 (Size 1), 170K8568 (Size 2), 170K8570 (Size 3)

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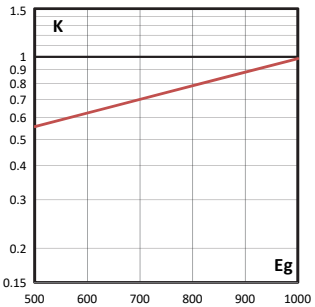
1000 V a.c. (IEC and UL) - 50 A to 1400 A - Sizes 1* to 3 - Flush end contact - 170M

Cut-off curve - Size 1, 160 A to 630 A



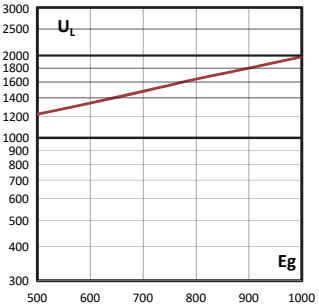
Total clearing I^2t

The total clearing I^2t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I^2t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



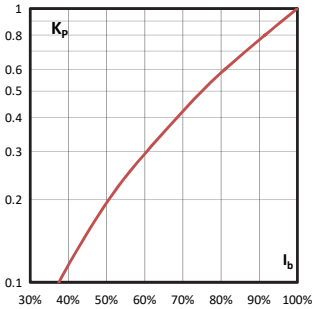
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.

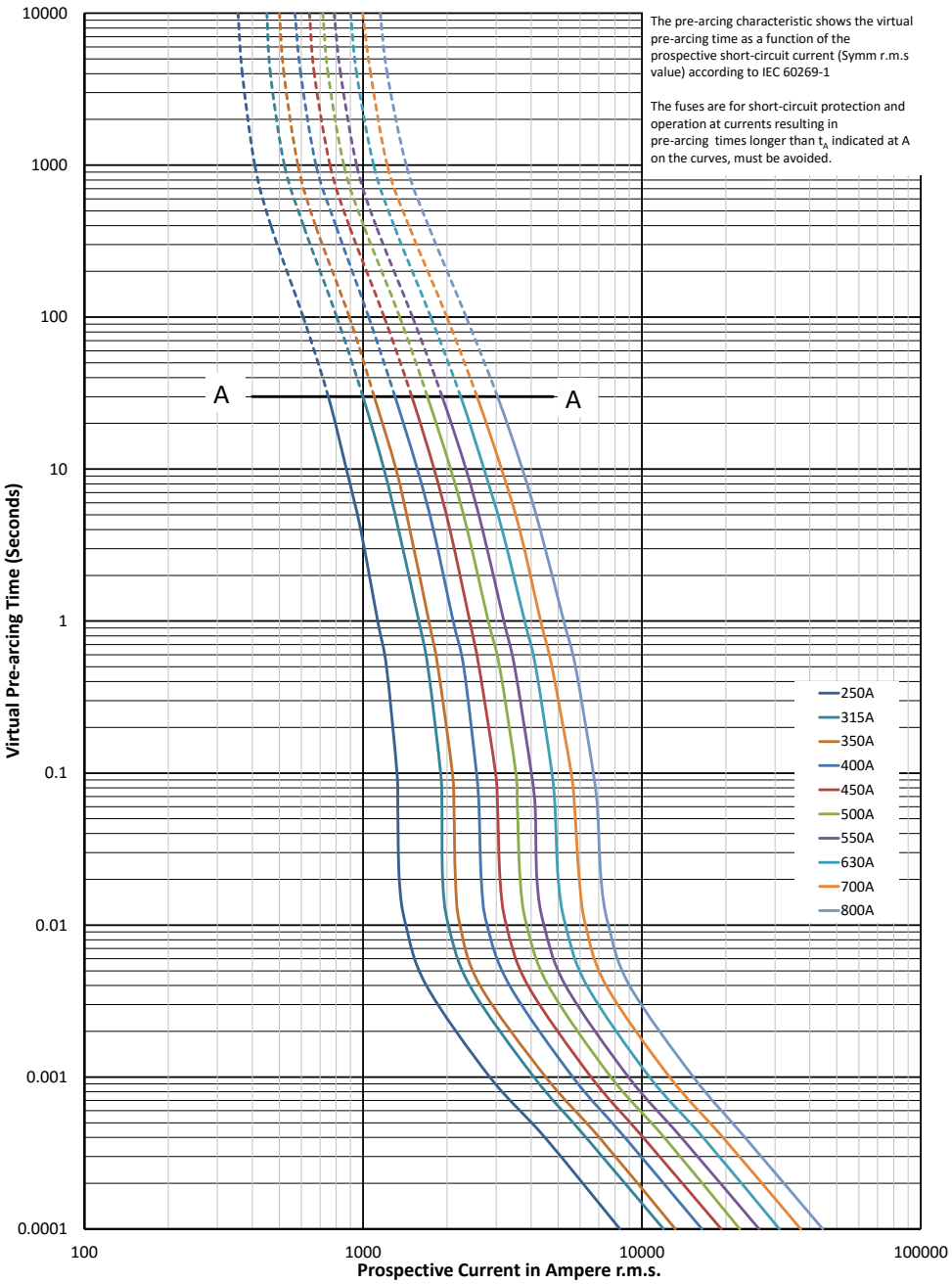


Data sheets: 170K8564 (Size 1*), 170K8566 (Size 1), 170K8568 (Size 2), 170K8570 (Size 3)

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1000 V a.c. (IEC and UL) - 50 A to 1400 A - Sizes 1* to 3 - Flush end contact - 170M

Time-current curve - Size 2, 250 A to 800 A



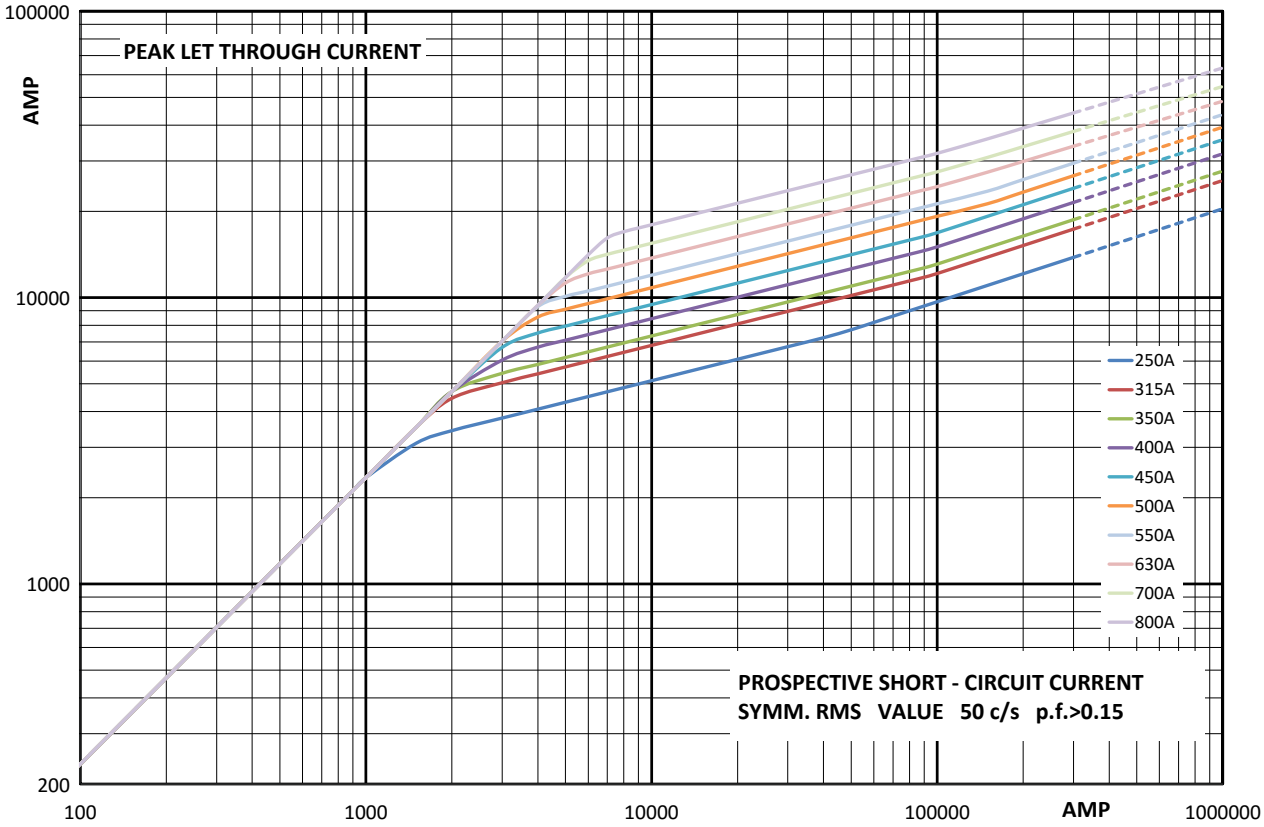
K_b = 1 N = 1.6

Data sheets: 170K8564 (Size 1*), 170K8566 (Size 1), 170K8568 (Size 2), 170K8570 (Size 3)

Downloaded from Arrow.com.

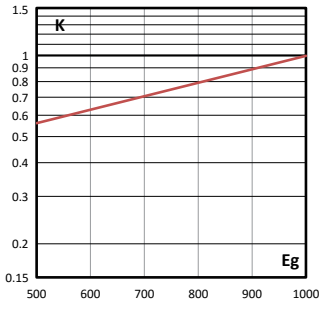
1000 V a.c. (IEC and UL) - 50 A to 1400 A - Sizes 1* to 3 - Flush end contact - 170M

Cut-off curve - Size 2, 250 A to 800 A



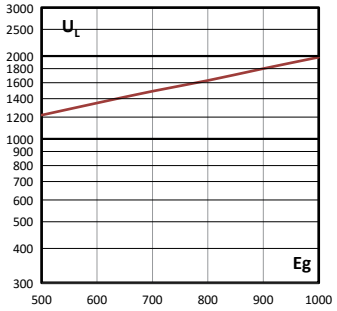
Total clearing I²t

The total clearing I²t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I²t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



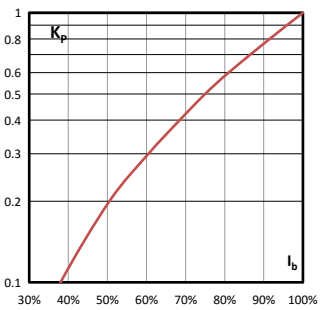
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.

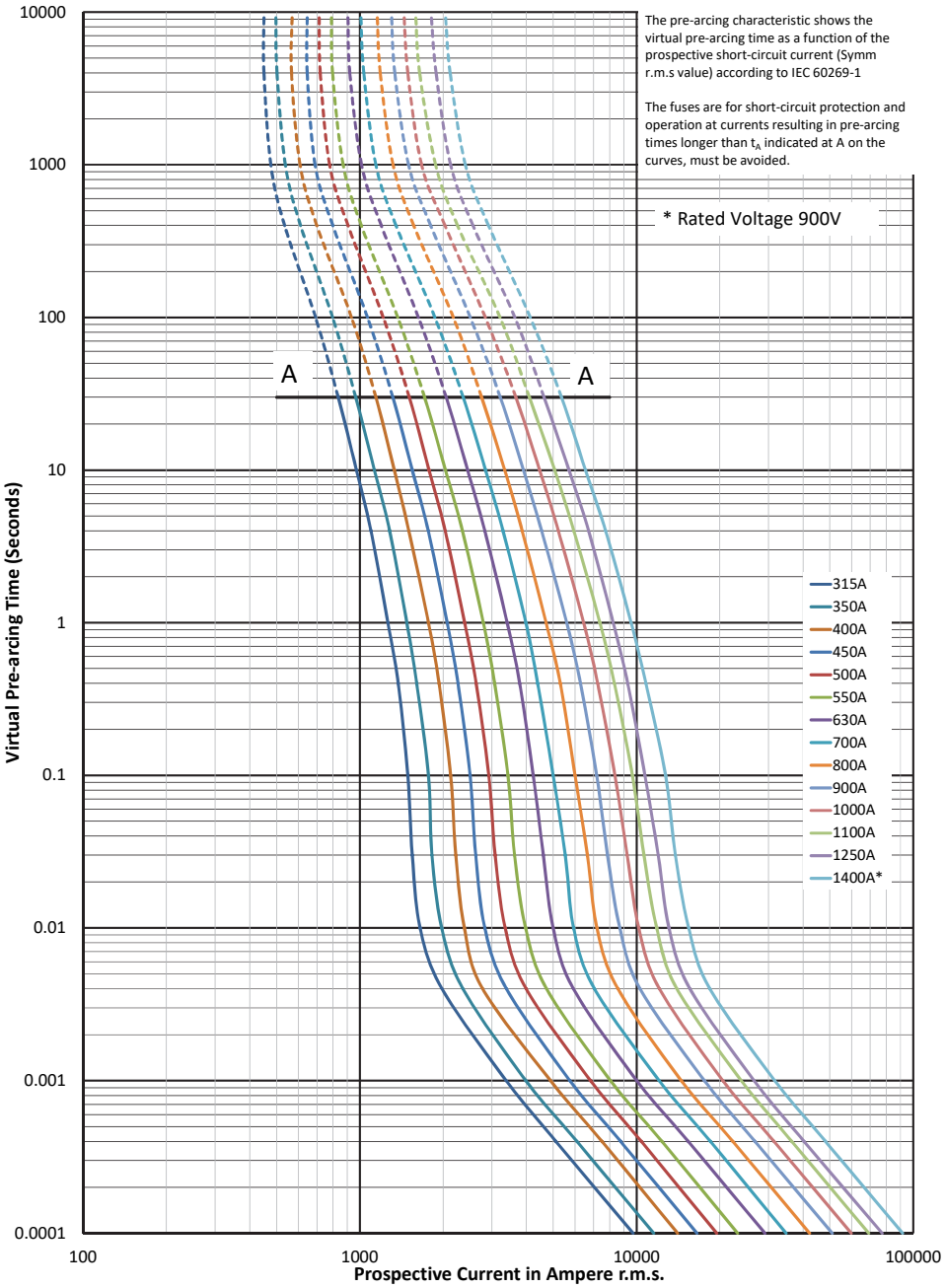


Data sheets: 170K8564 (Size 1*), 170K8566 (Size 1), 170K8568 (Size 2), 170K8570 (Size 3)

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1000 V a.c. (IEC and UL) - 50 A to 1400 A - Sizes 1* to 3 - Flush end contact - 170M

Time-current curve - Size 3, 315 A to 1400 A



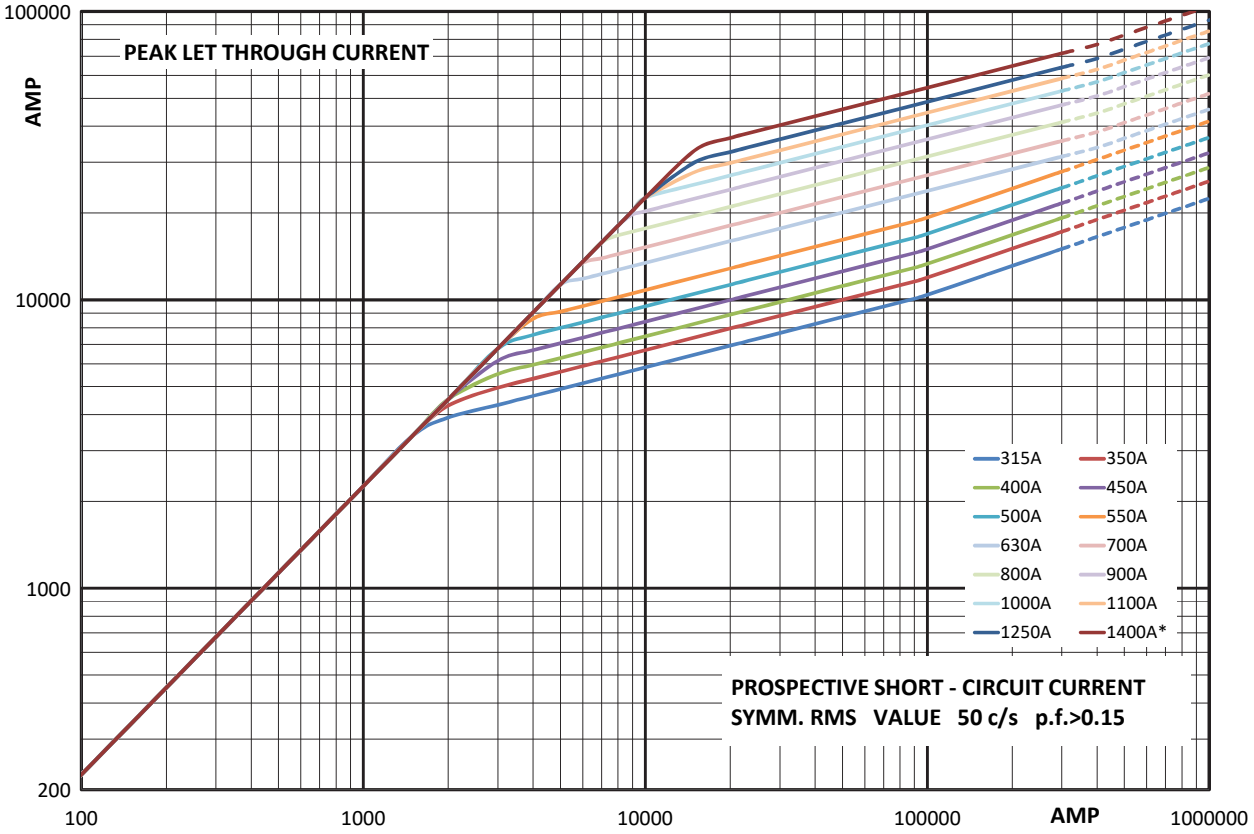
K_b = 1 N = 1.6

Data sheets: 170K8564 (Size 1*), 170K8566 (Size 1), 170K8568 (Size 2), 170K8570 (Size 3)

Downloaded from Arrow.com.

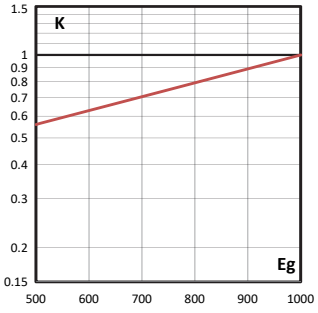
1000 V a.c. (IEC and UL) - 50 A to 1400 A - Sizes 1* to 3 - Flush end contact - 170M

Cut-off curve - Size 3, 315 A to 1400 A



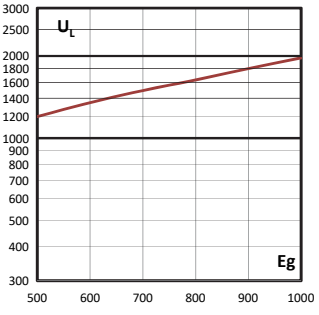
Total clearing I^2t

The total clearing I^2t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I^2t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



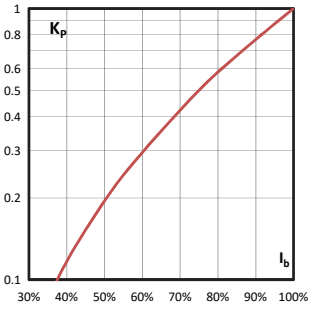
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.



Data sheets: 170K8564 (Size 1*), 170K8566 (Size 1), 170K8568 (Size 2), 170K8570 (Size 3)

Downloaded from Arrow.com.

1250 V a.c. (IEC), 1300 V a.c. (UL), 50 A to 1400 A - Sizes 1* to 3 - Flush end contact - 170M

Description

Square body flush end contact high speed fuse links, for the protection of DC common bus, DC drives, power converters/rectifiers and reduced rated voltage starters.



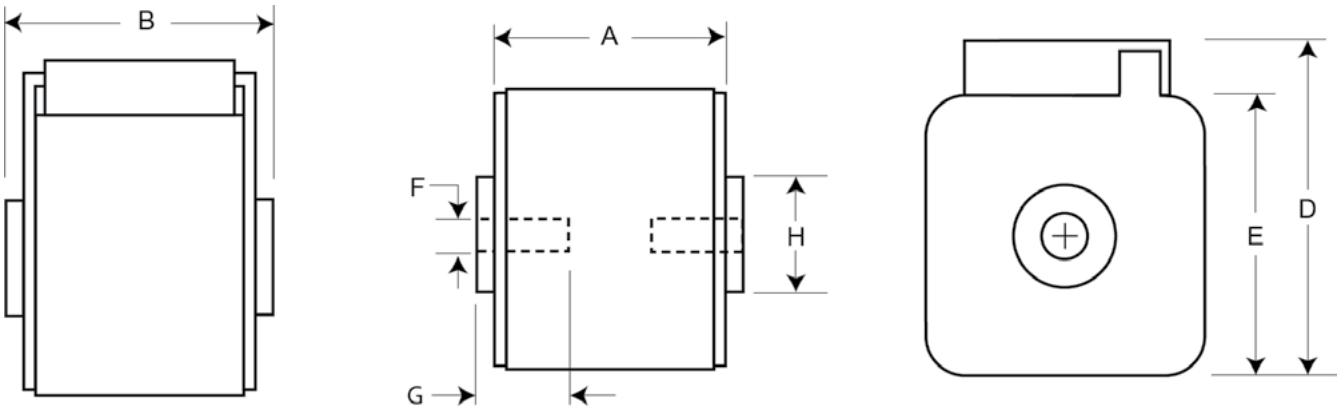
Technical data

- Rated voltage:
  - 1250 V a.c. (IEC)
  - 1300 V a.c. (UL)
- Rated current: 50 A to 1400 A
- Breaking capacity: 100 kA RMS Sym
- Operating class: aR

Standards / Agency information

CE, Designed and tested to IEC 60269 Part 4. Consult Eaton for UL Recognition/CSA Component Acceptance Status

Dimensions (mm)



Size	Type	A	B	D	E	F	F[1] (in)	Min G	H
1*	BKN + GKN/75	74	75	59	45	M8	5/16" -18 UNC-2B	5	Ø17
1*	BKN/80	80	81	59	45	M8		5	Ø17
1	BKN + GKN/75	74	75	69	53	M8	5/16" -18 UNC-2B	8	Ø20
1	BKN/80	80	81	69	53	M8		8	Ø20
2	BKN + GKN/75	74	75	77	61	M10	3/8" -16 UNC-2B	10	Ø24
2	BKN/80	80	81	77	61	M10		10	Ø24
2	BKN + GKN/90	80	91	77	61	M10	3/8" -16 UNC-2B	10	Ø24
3	BKN + GKN/75	74	76	92	76	M12	½" -13 UNC-2B	10	Ø30
3	BKN/80	81	83	92	76	M12		10	Ø30
3	BKN + GKN/90	81	91	92	76	M12	½" -13 UNC-2B	10	Ø30

[1] Valid for fuses type -GKN/-.

Data sheets: 170K6630 (Size 1*), 170K6632 (Size 1), 170K6634 (Size 2), 170K6636 (Size 3)

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1250 V a.c. (IEC), 1300 V a.c. (UL), 50 A to 1400 A - Sizes 1* to 3 - Flush end contact - 170M

Fuse link body size	Rated voltage	Rated current (Amps)	I²t (A² Sec) Pre-arcing	Clearing at 1000 V a.c.	Clearing at 1250 V a.c.	Watts loss (W)	Catalogue numbers -BKN/75 Type K indicator for micro	-BKN/80 Type K indicator for micro	-BKN/90 Type K Indicator for micro	-GKN/75 Type K Indicator for micro	-GKN/90 Type K Indicator for micro
1*	1250 V a.c. (IEC) 1300 V a.c. (UL)	50	135	815	1100	15	170M3388[6]	170M3438		170M3488[6]	
		63	215	1300	1750	20	170M3389[6]	170M3439		170M3489[6]	
		80	420	2500	3350	25	170M3390[6]	170M3440		170M3490[6]	
		100	750	4450	5950	30	170M3391[6]	170M3441		170M3491[6]	
		125	1450	9000	11,500	35	170M3392[6]	170M3442		170M3492[6]	
		160	2600	16,000	21,000	40	170M3393[6]	170M3443		170M3493[6]	
		200	5150	31,000	41,000	45	170M3394[6]	170M3444		170M3494[6]	
		250	9200	54,500	73,000	55	170M3395[6]	170M3445		170M3495[6]	
		315	18,500	115,000	150,000	60	170M3396[6]	170M3446		170M3496[6]	
		350	27,000	165,000	220,000	65	170M3397[6]	170M3447		170M3497[6]	
		400	53,000	265,000	335,000	70		170M3448			
1	1250 V a.c. (IEC) 1300 V a.c. (UL)	160	1900	11,500	15,500	45	170M4388[6]	170M4438[6]		170M4488[6]	
		200	3800	22,500	30,000	50	170M4389[6]	170M4439[6]		170M4489[6]	
		250	7750	46,000	61,500	60	170M4390[6]	170M4440[6]		170M4490[6]	
		315	15,000	90,000	120,000	65	170M4391[6]	170M4441[6]		170M4491[6]	
		350	20,000	125,000	165,000	70	170M4392[6]	170M4442[6]		170M4492[6]	
		400	29,500	175,000	235,000	75	170M4393[6]	170M4443[6]		170M4493[6]	
		450	42,000	250,000	335,000	80	170M4394[6]	170M4444[6]		170M4494[6]	
		500	69,500	340,000	435,000	85	170M4395[4]	170M4445		170M4495[4]	
		550	95,000	465,000	590,000	95	170M4396[5]	170M4446		170M4496[5]	
		630	130,000	660,000	N/A	110	170M4397[5]	170M4447[4]		170M4497[5]	
2	1250 V a.c. (IEC) 1300 V a.c. (UL)	250	6500	38,500	51,500	65	170M5388	170M5438		170M5588	
		280	9350	55,500	74,500	70	170M5389	170M5439		170M5589	
		315	13,000	77,500	105,000	75	170M5390	170M5440		170M5590	
		350	16,500	97,500	135,000	80	170M5391	170M5441		170M5591	
		400	23,000	140,000	180,000	85	170M5392	170M5442		170M5592	
		450	34,000	205,000	270,000	90	170M5393	170M5443		170M5593	
		500	48,000	285,000	380,000	95	170M5394	170M5444	170M5494	170M5594	170M5644
		550	62,000	370,000	495,000	100	170M5395	170M5445	170M5495	170M5595	170M5645
		630	115,000	575,000	730,000	120	170M5396[4]	170M5446	170M5496	170M5596[4]	170M5646
		700	160,000	795,000	1,050,000	125	170M5397[5]	170M5447[7]	170M5497	170M5597[5]	170M5647
		800	245,000	1,200,000	1,550,000	130	170M5398[5]	170M5448[8]	170M5498	170M5598[5]	170M5648
		900	360,000	1,750,000	N/A	135			170M5499[9]		170M5649[9]
		1000	480,000	2,350,000	N/A	145			170M5500[9]		170M5650[9]

[1] Rated voltage 1100 V a.c. (IEC), 1000 V a.c. (UL).
[2] Rated voltage 1000 V a.c. (IEC and UL).
[3] Rated voltage 1100 V a.c. (IEC and UL).
[4] Rated voltage (IEC) 1100 V a.c.
[5] Rated voltage (IEC) 1000 V a.c.
[6] Rated voltage 900 V d.c. 8XIn 90 kA
[7] Rated voltage 1100 V a.c. (IEC), 1000 V a.c. (UL). and 1000 V d.c. 8XIn 70 kA
[8] Rated voltage 1000 V a.c. (IEC and UL). and 1000 V d.c. 8XIn 70 kA
[9] Rated voltage 1100 V a.c. (IEC and UL). and 900 V d.c. 9.5XIn 80 kA
[10] Rated voltage 1100 V a.c. (IEC), 1000 V a.c. (UL). and 900 V d.c. 8XIn 90 kA
[11] Rated voltage 1000 V a.c. (IEC and UL). and 900 V d.c. 8XIn 90 kA
[12] Rated voltage 1000 V d.c. 10XIn 91 kA
[13] Rated voltage 1100 V a.c. (IEC and UL). and 900 V d.c. 12XIn 90 kA

Data sheets: 170K6630 (Size 1*), 170K6632 (Size 1), 170K6634 (Size 2), 170K6636 (Size 3)

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1250 V a.c. (IEC), 1300 V a.c. (UL), 50 A to 1400 A - Sizes 1* to 3 - Flush end contact - 170M

Fuse link body size	Rated voltage	Rated current (Amps)	I²t (A² Sec) Pre-arcing	Clearing at 1000 V a.c.	Clearing at 1250 V a.c.	Watts loss (W)	Catalogue numbers -BKN/75 Type K indicator for micro	-BKN/80 Type K indicator for micro	-BKN/90 Type K Indicator for micro	-GKN/75 Type K Indicator for micro	-GKN/90 Type K Indicator for micro
3	1250 V a.c. (IEC) 1300 V a.c. (UL)	315	9500	58,000	77,500	85	170M6338[6]	170M6538[6]		170M6588	
		350	13,500	81,500	110,000	90	170M6339[6]	170M6539[6]		170M6589	
		400	19,500	120,000	160,000	95	170M6340[6]	170M6540[6]		170M6590	
		450	31,000	185,000	245,000	100	170M6341[6]	170M6541[6]		170M6591	
		500	39,000	235,000	310,000	105	170M6342[6]	170M6542[6]		170M6592	
		550	55,000	325,000	435,000	110	170M6343[6]	170M6543[6]		170M6593	
		630	83,500	495,000	665,000	115	170M6344[6]	170M6544[6]	170M6494[6]	170M6594	170M6644
		700	115,000	705,000	940,000	120	170M6345	170M6545[6]	170M6495[6]	170M6595	170M6645[6]
		800	205,000	995,000	1,300,000	125	170M6346[4]	170M6546[6]	170M6496[12]	170M6596[4]	170M6646[12]
		900	305,000	1,500,000	1,900,000	130	170M6347[5]	170M6547[10]	170M6497[12]	170M6597[5]	170M6647[12]
		1000	450,000	2,150,000	2,750,000	135	170M6348[5]	170M6548[10]	170M6498[12]	170M6598[5]	170M6648[12]
		1100	575,000	2,800,000	3,600,000	160	170M6349[5]	170M6549[11]	170M6499[12]	170M6599[5]	170M6649[12]
		1250	810,000	3,950,000	N/A	170			170M6500[13]		170M6650[4]
		1400	1,250,000	6,000,000	N/A	175			170M6501[13]		170M6651[4]

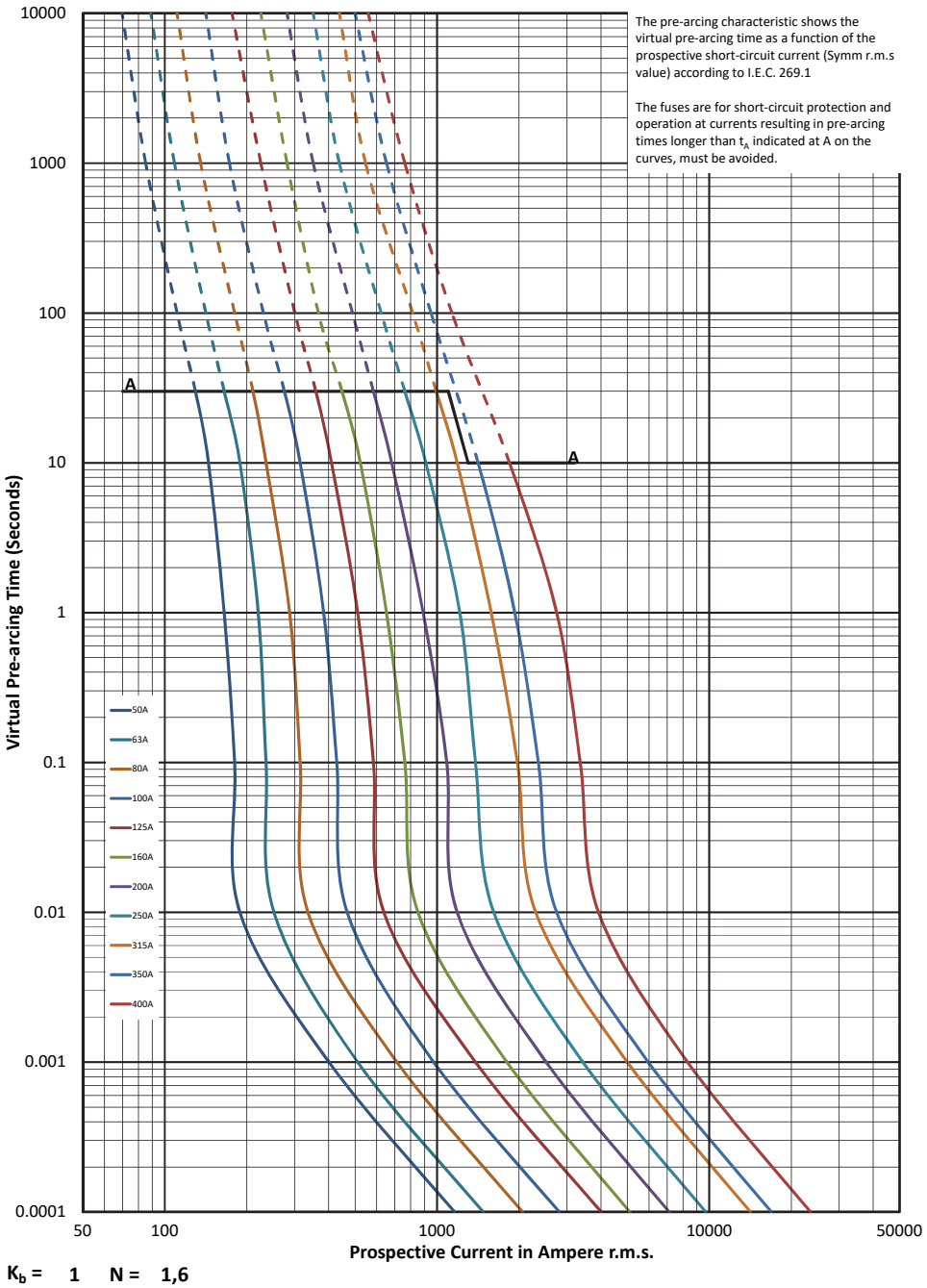
[1] Rated voltage 1100 V a.c. (IEC), 1000 V a.c. (UL).
[2] Rated voltage 1000 V a.c. (IEC and UL).
[3] Rated voltage 1100 V a.c. (IEC and UL).
[4] Rated voltage (IEC) 1100 V a.c.
[5] Rated voltage (IEC) 1000 V a.c.
[6] Rated voltage 900 V d.c. 8XIn 90 kA
[7] Rated voltage 1100 V a.c. (IEC), 1000 V a.c. (UL). and 1000 V d.c. 8XIn 70 kA
[8] Rated voltage 1000 V a.c. (IEC and UL). and 1000 V d.c. 8XIn 70 kA
[9] Rated voltage 1100 V a.c. (IEC and UL). and 900 V d.c. 9.5XIn 80 kA
[10] Rated voltage 1100 V a.c. (IEC), 1000 V a.c. (UL). and 900 V d.c. 8XIn 90 kA
[11] Rated voltage 1000 V a.c. (IEC and UL). and 900 V d.c. 8XIn 90 kA
[12] Rated voltage 1000 V d.c. 10XIn 91 kA
[13] Rated voltage 1100 V a.c. (IEC and UL). and 900 V d.c. 12XIn 90 kA

Data sheets: 170K6630 (Size 1*), 170K6632 (Size 1), 170K6634 (Size 2), 170K6636 (Size 3)

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1250 V a.c. (IEC), 1300 V a.c. (UL), 50 A to 1400 A - Sizes 1* to 3 - Flush end contact - 170M

Time-current curve - Size 1*, 50 A to 400 A



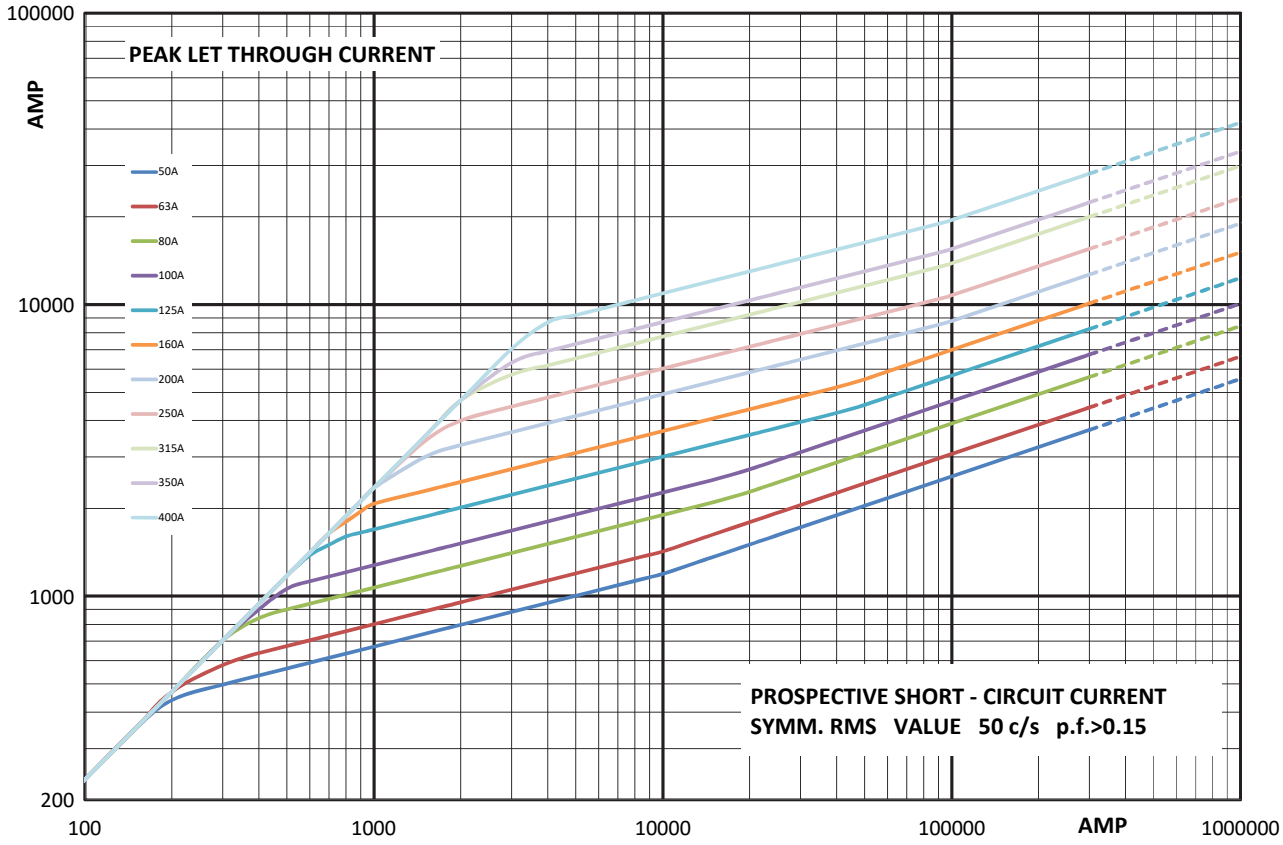
K_b = 1 N = 1,6

Data sheets: 170K6630 (Size 1*), 170K6632 (Size 1), 170K6634 (Size 2), 170K6636 (Size 3)

Downloaded from Arrow.com.

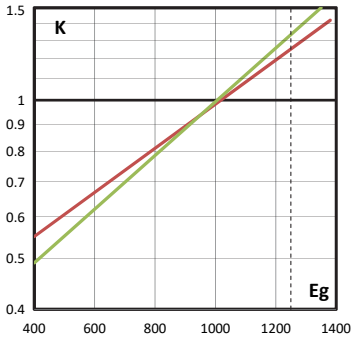
1250 V a.c. (IEC), 1300 V a.c. (UL), 50 A to 1400 A - Sizes 1* to 3 - Flush end contact - 170M

Cut-off curve - Size 1*, 50 A to 400 A



Total clearing I^2t

The total clearing I^2t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I^2t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).

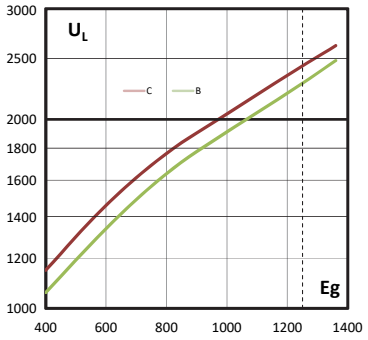


B: fuses ≤ 350 A

C: fuses ≥ 400 A

Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.

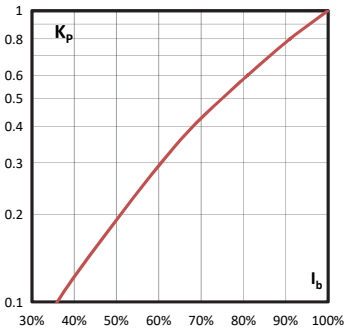


B: fuses ≤ 350 A

C: fuses ≥ 400 A

Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.

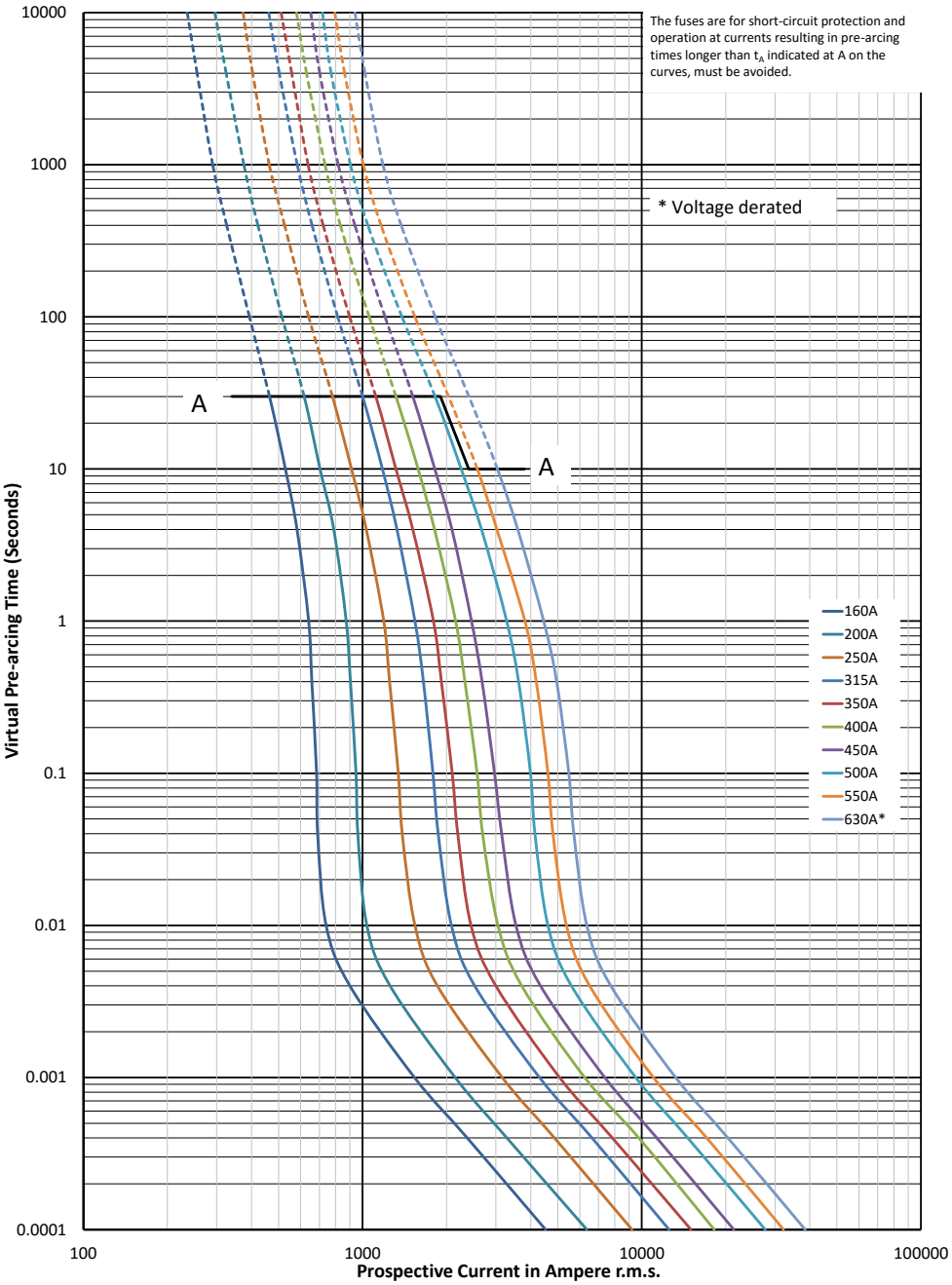


Data sheets: 170K6630 (Size 1*), 170K6632 (Size 1), 170K6634 (Size 2), 170K6636 (Size 3)

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1250 V a.c. (IEC), 1300 V a.c. (UL), 50 A to 1400 A - Sizes 1* to 3 - Flush end contact - 170M

Time-current curve - Size 1, 160 A to 630 A



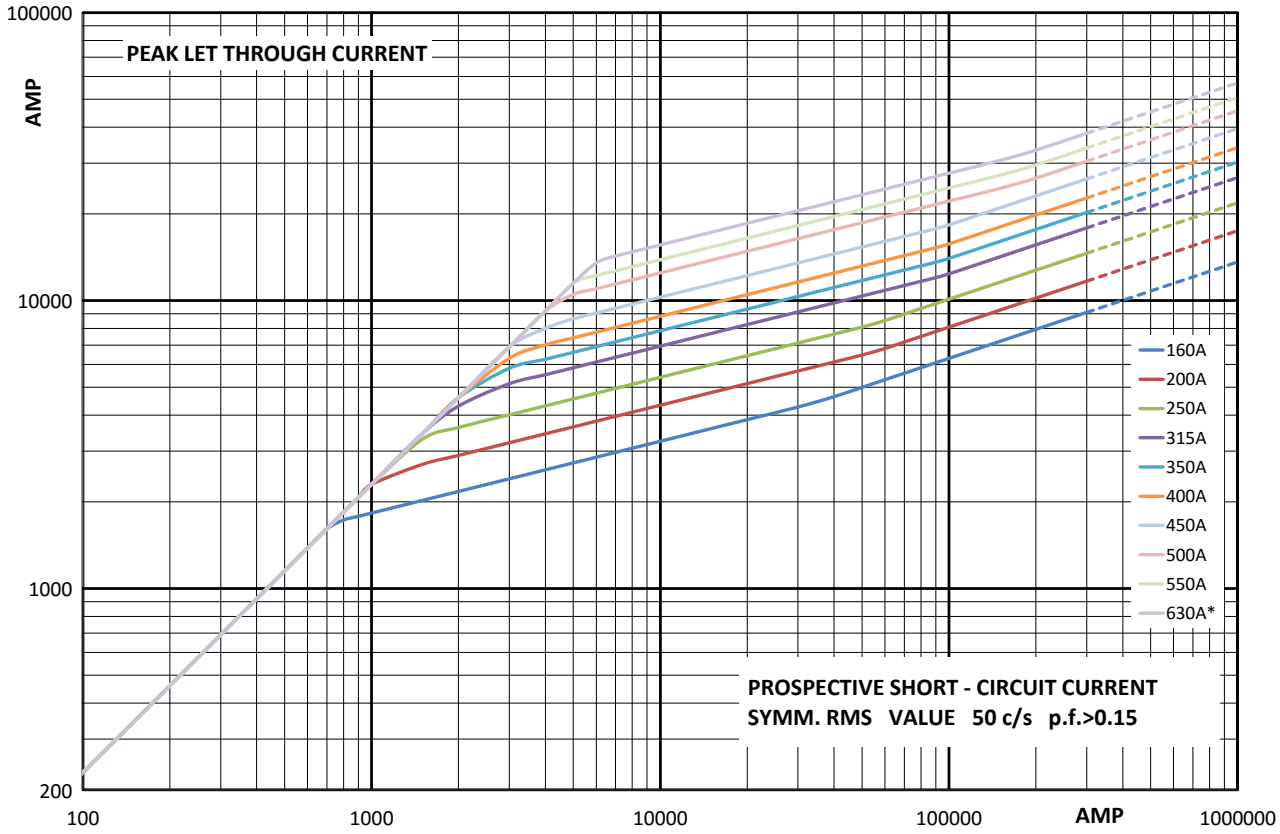
K_b = 1 N = 1.6

Data sheets: 170K6630 (Size 1*), 170K6632 (Size 1), 170K6634 (Size 2), 170K6636 (Size 3)

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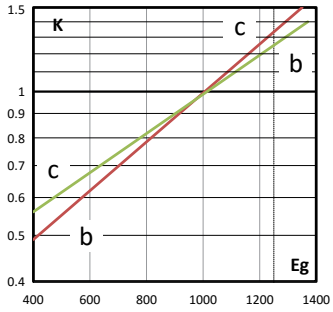
1250 V a.c. (IEC), 1300 V a.c. (UL), 50 A to 1400 A - Sizes 1* to 3 - Flush end contact - 170M

Cut-off curve - Size 1, 160 A to 630 A



Total clearing I²t

The total clearing I²t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I²t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).

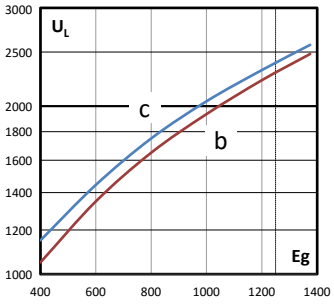


B: fuses ≤ 450 A

C: fuses ≥ 500 A

Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.

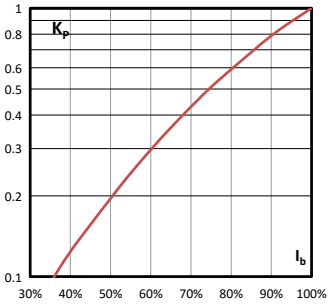


B: fuses ≤ 450 A

C: fuses ≥ 500 A

Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p, is given as a function of the RMS load current, I_b, in percent of the rated current.

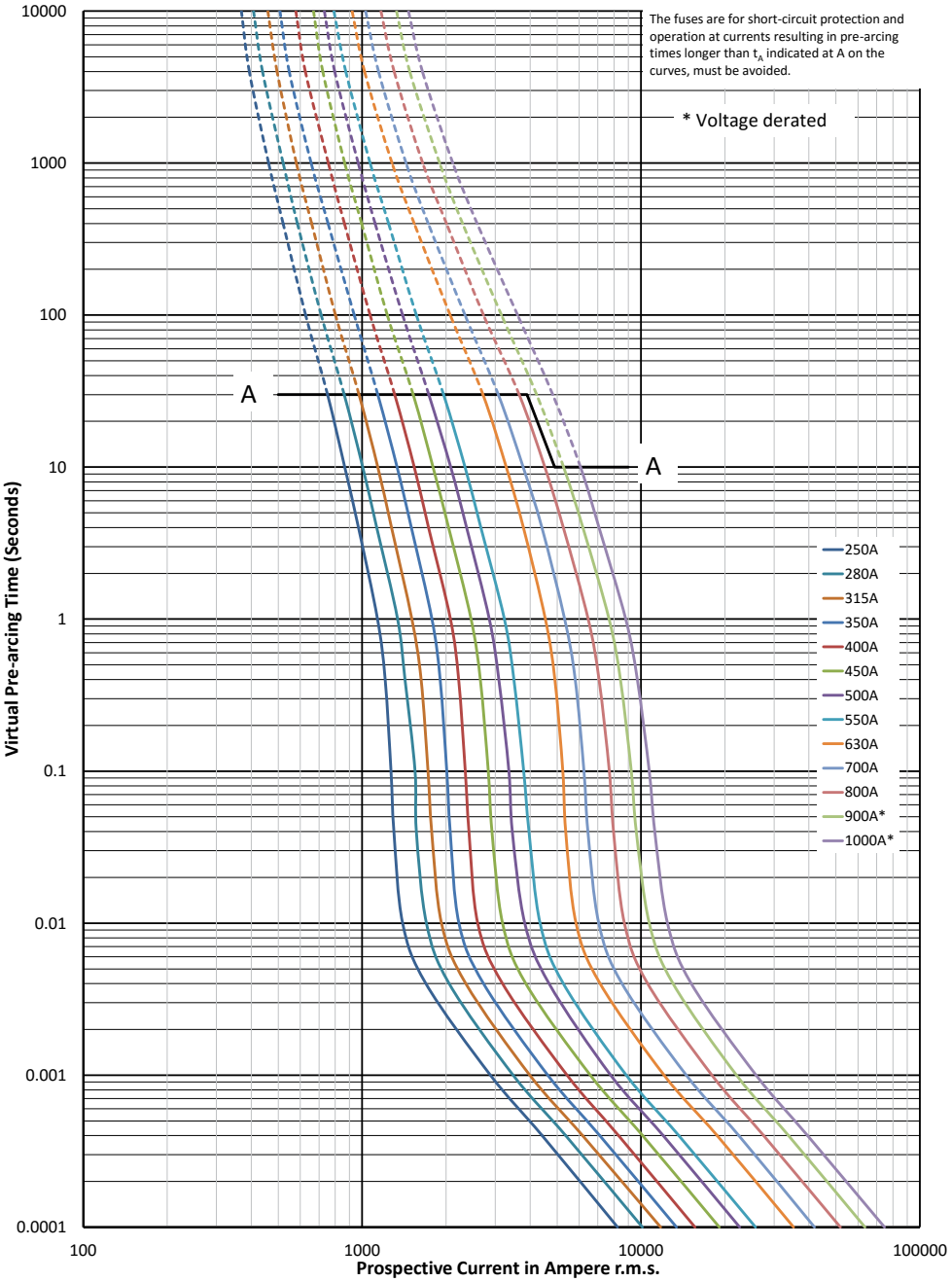


Data sheets: 170K6630 (Size 1*), 170K6632 (Size 1), 170K6634 (Size 2), 170K6636 (Size 3)

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1250 V a.c. (IEC), 1300 V a.c. (UL), 50 A to 1400 A - Sizes 1* to 3 - Flush end contact - 170M

Time-current curve - Size 2, 250 A to 1000 A



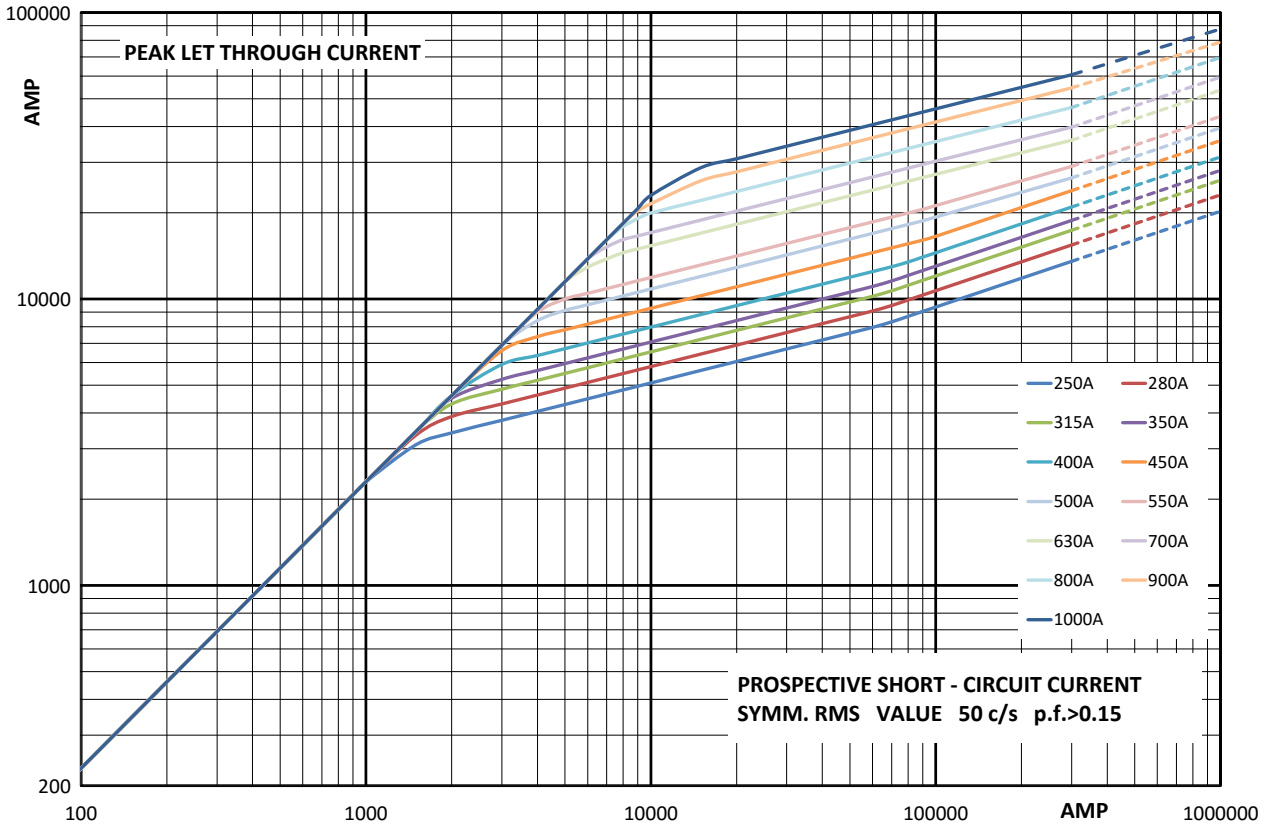
K_b = 1 N = 1.6

Data sheets: 170K6630 (Size 1*), 170K6632 (Size 1), 170K6634 (Size 2), 170K6636 (Size 3)

Downloaded from Arrow.com.

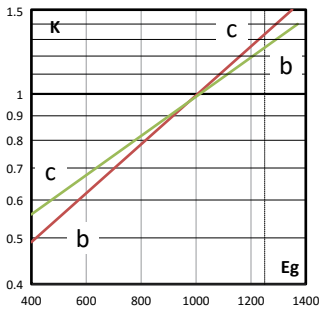
1250 V a.c. (IEC), 1300 V a.c. (UL), 50 A to 1400 A - Sizes 1* to 3 - Flush end contact - 170M

Cut-off curve - Size 2, 250 A to 1000 A



Total clearing I²t

The total clearing I²t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I²t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).

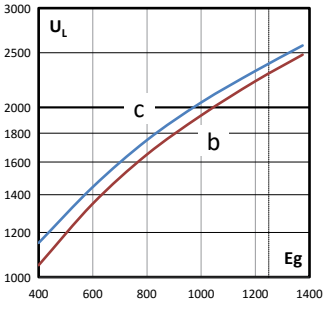


B: fuses ≤ 550 A

C: fuses ≥ 630 A

Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.

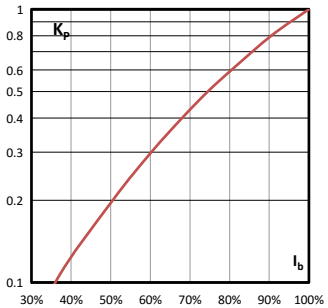


B: fuses ≤ 550 A

C: fuses ≥ 630 A

Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.

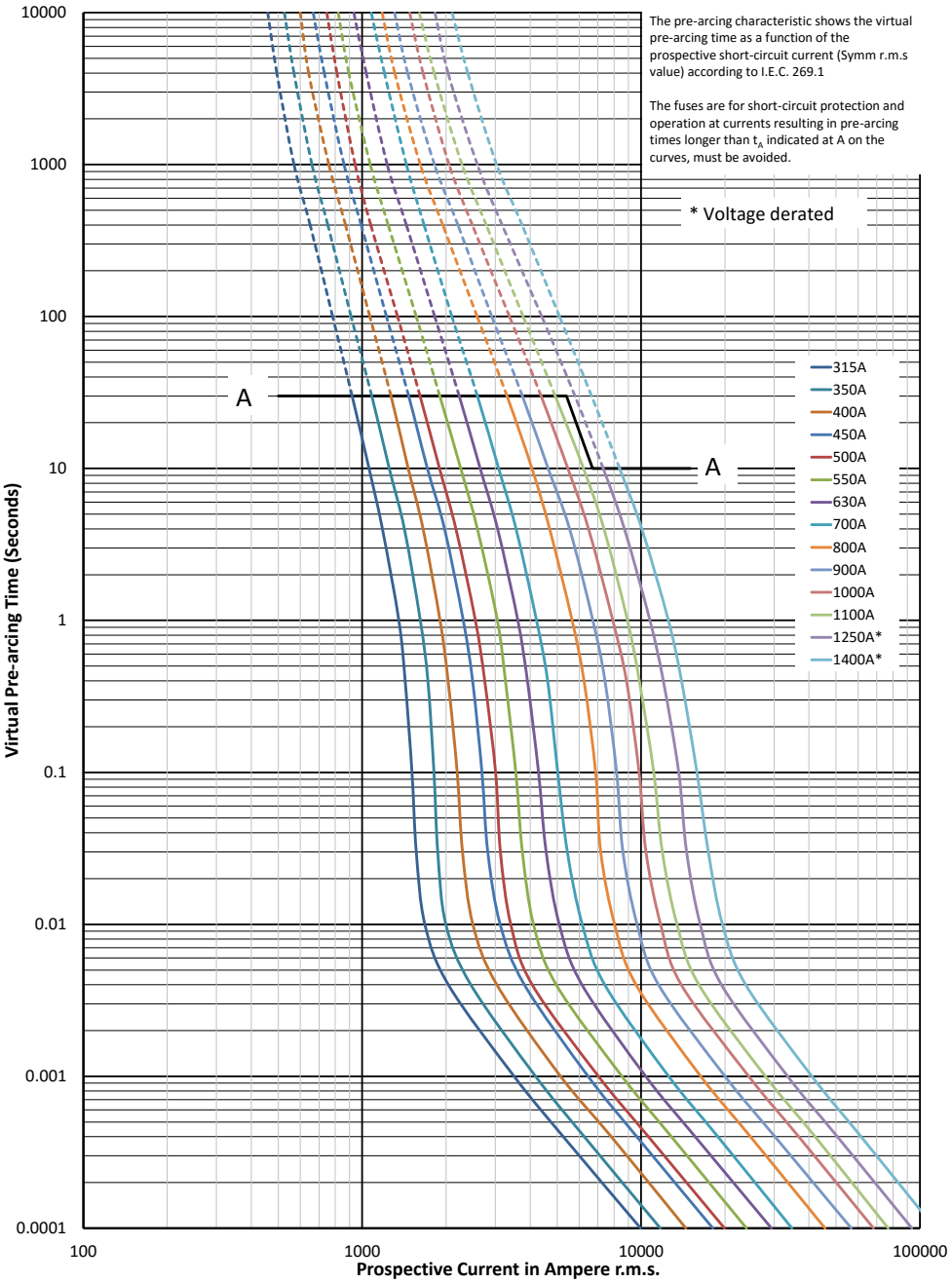


Data sheets: 170K6630 (Size 1*), 170K6632 (Size 1), 170K6634 (Size 2), 170K6636 (Size 3)

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1250 V a.c. (IEC), 1300 V a.c. (UL), 50 A to 1400 A - Sizes 1* to 3 - Flush end contact - 170M

Time-current curve - Size 3, 315 A to 1400 A



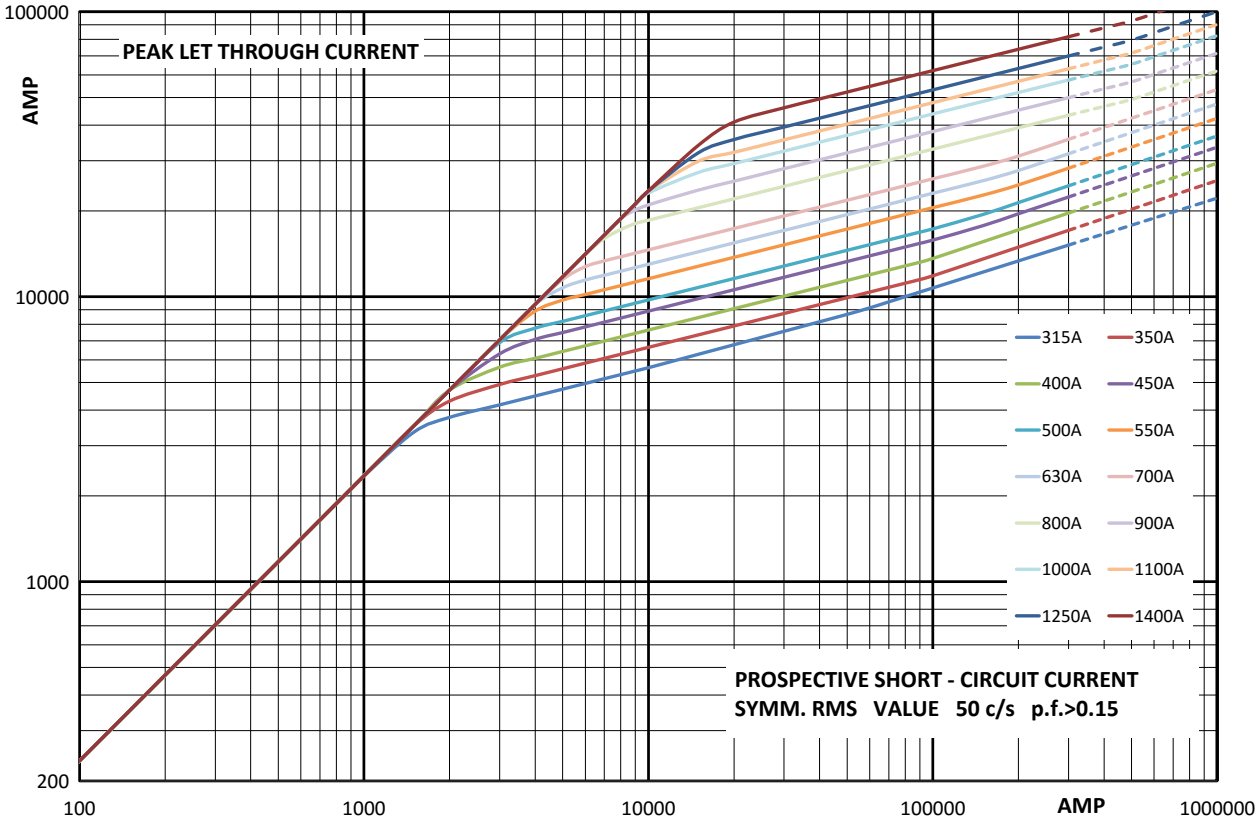
K_b = 1 N = 1.6

Data sheets: 170K6630 (Size 1*), 170K6632 (Size 1), 170K6634 (Size 2), 170K6636 (Size 3)

Downloaded from Arrow.com.

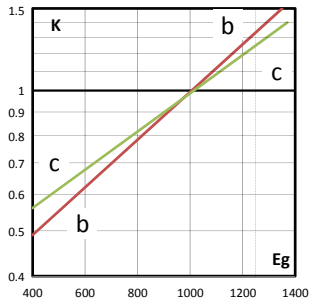
1250 V a.c. (IEC), 1300 V a.c. (UL), 50 A to 1400 A - Sizes 1* to 3 - Flush end contact - 170M

Cut-off curve - Size 3, 315 A to 1400 A



Total clearing I²t

The total clearing I²t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I²t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).

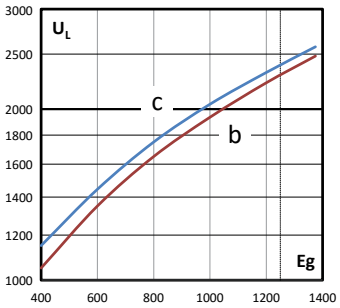


B: fuses ≤ 700 A

C: fuses ≥ 800 A

Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.

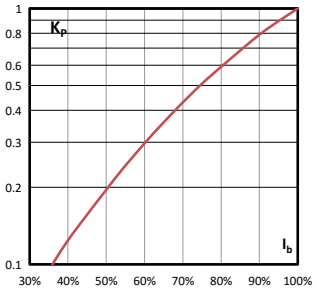


B: fuses ≤ 700 A

C: fuses ≥ 800 A

Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.



Data sheets: 170K6630 (Size 1*), 170K6632 (Size 1), 170K6634 (Size 2), 170K6636 (Size 3)

Downloaded from Arrow.com.

690 V a.c. (IEC), 700 V a.c. (UL) - 1000 A to 4000 A - Size 4 - Flush end contact - 170M

Description

Square body, flush end contact, high speed fuse links, for the protection of power rectifiers.



Technical data

- Rated voltage:
  - 690 V a.c. (IEC) / 700 V a.c. (UL) 1000 A to 3500 A
  - 600 V a.c. (IEC and UL, 4000 A)
- Rated current: 1000 A to 4000 A
- Breaking capacity: 200 kA RMS Sym
- Operating class: aR

Standards / Agency information

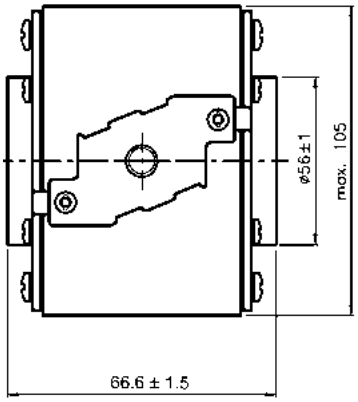
CE, Designed and tested to IEC 60269 Part 4, UL Recognised

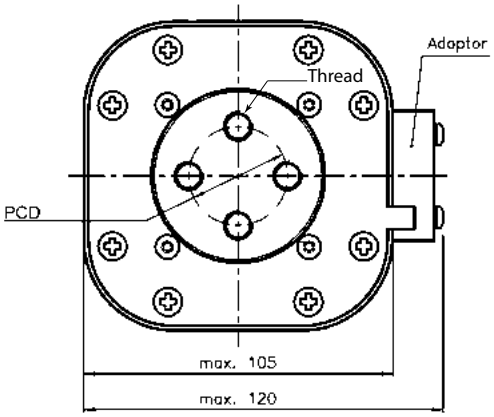
Catalogue numbers

Fuse link body size	Rated voltage	Rated current (Amps)	I^2t (A^2 Sec) Pre-arcing	I^2t (A^2 Sec) Clearing at 660 V a.c.	Watts loss (W)	Catalogue numbers -B/65 visual indicator	-BKN/65 Type K indicator	-G/65 visual indicator	-GKN/65 Type K indicator
4	690 V a.c. (IEC) 700 V a.c. (UL)	1000	76,000	505,000	175	170M7058	170M7078	170M7098	170M7118
		1250	145,000	965,000	195	170M7059	170M7079	170M7099	170M7119
		1400	205,000	1,400,000	205	170M7060	170M7080	170M7100	170M7120
		1600	305,000	2,050,000	220	170M7061	170M7081	170M7101	170M7121
		1800	436,600	3,067,000	260	170M7340	-	-	-
		2000	600,000	3,950,000	245	170M7062	170M7082	170M7102	170M7122
		2200	805,000	5,350,000	255	170M7116	170M7114	170M7171	170M7173
		2500	1,200,000	7,800,000	275	170M7063	170M7083	170M7103	170M7123
		3000	2,000,000	13,500,000	305	170M7064	170M7084	170M7104	170M7124
		3500	3,250,000	22,000,000	325	170M7065	170M7085	170M7105	170M7125
	600 V a.c. (IEC & UL)	4000	4,700,000	28,000,000[1]	355	170M7066	170M7086	170M7106	170M7126

[1] Clearing at 600 V a.c.

Dimensions (mm) -BKN/65 and -GKN/65





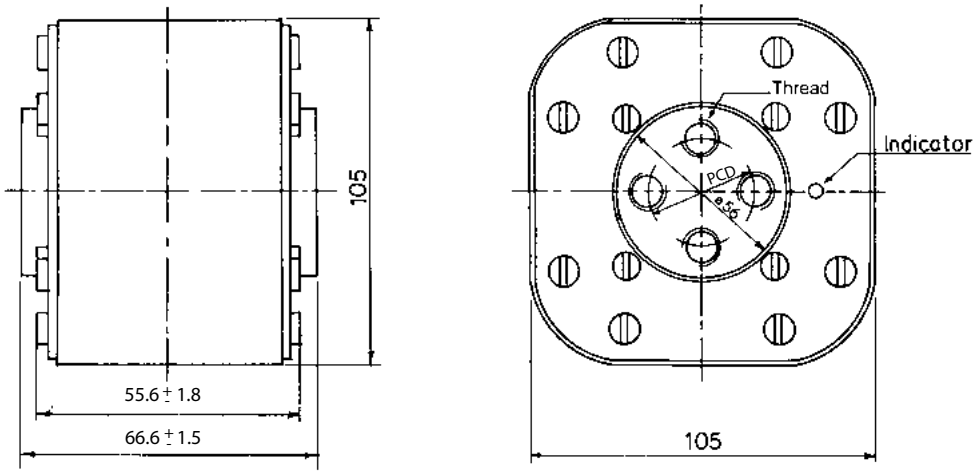
Type	PCD	Thread
-GKN/65	Ø 38.1	UNC ½" - 13
-BKN/65	Ø 33	M-10

Data sheet: 170K6328

Downloaded from Arrow.com.

690 V a.c. (IEC), 700 V a.c. (UL) - 1000 A to 4000 A - Size 4 - Flush end contact - 170M

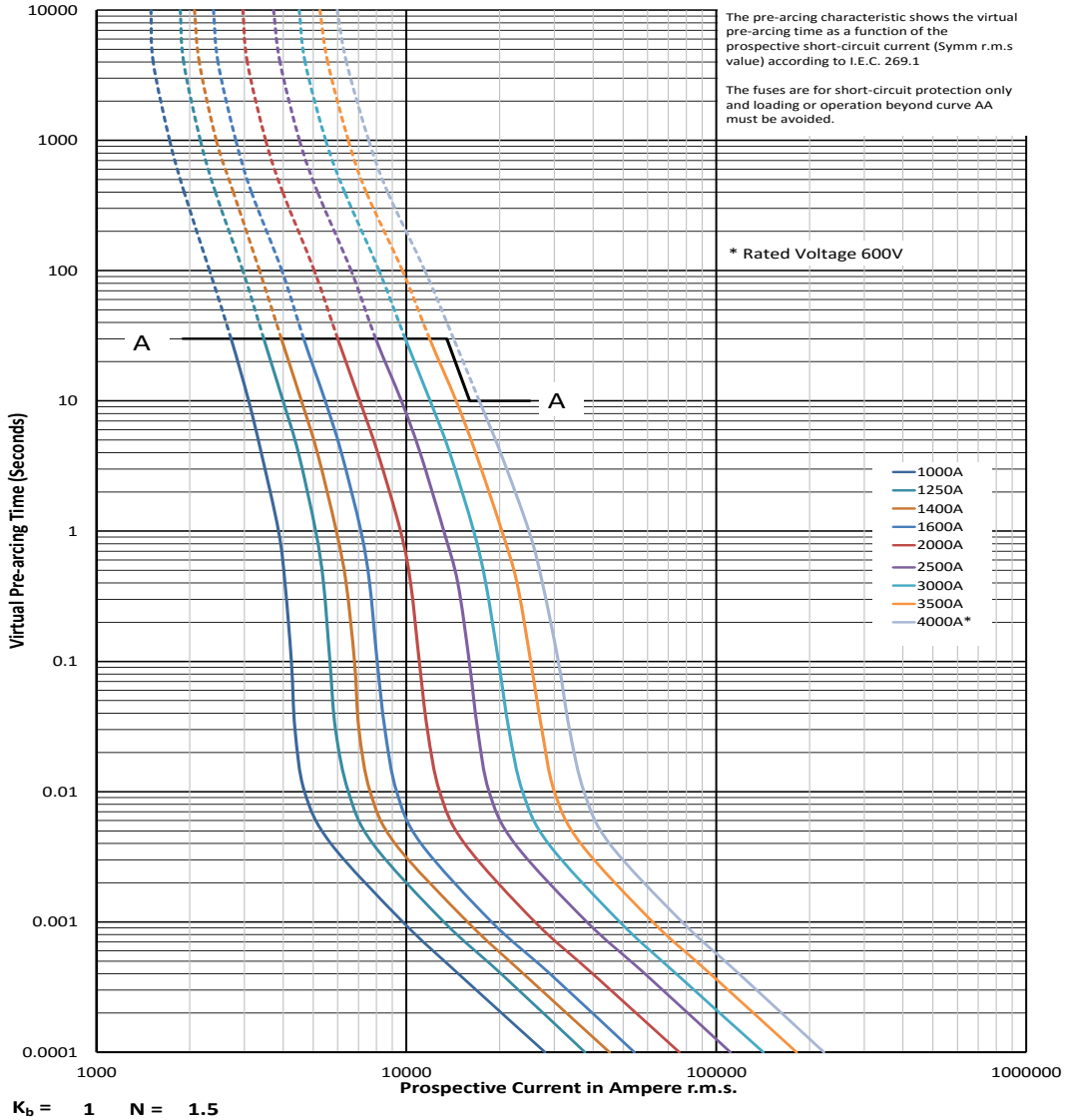
Dimensions (mm) -B/65 and -G/65



Type -B/65, -G/65

	PCD	Thread
-G/65	Ø 38.1	UNC ½" - 13
-B/65	Ø 33	M-10

Time-current curve - 1000 A to 4000 A



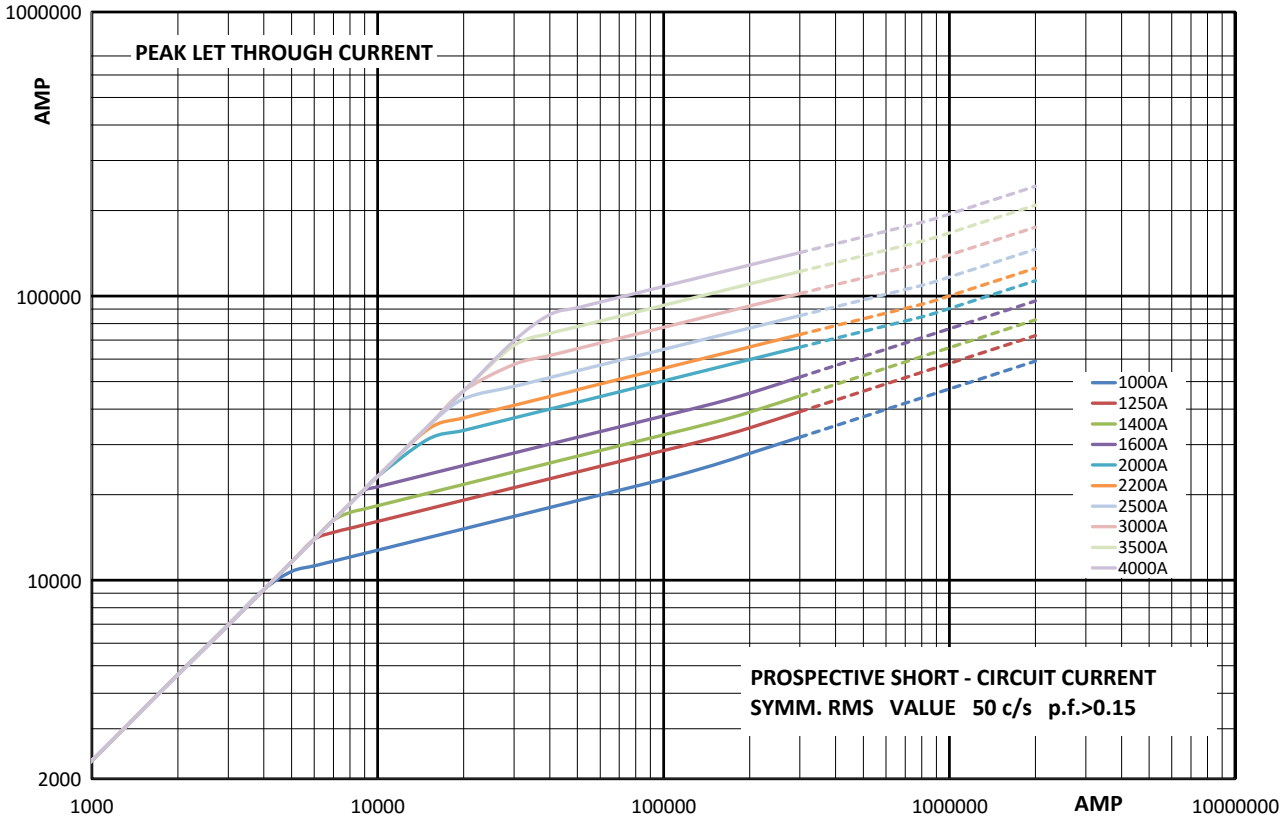
K_b = 1 N = 1.5

Data sheet: 170K6328

Downloaded from Arrow.com.

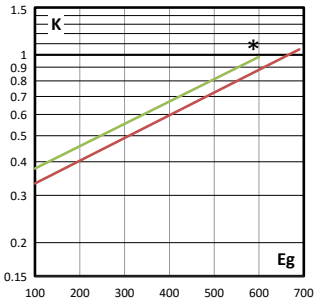
690 V a.c. (IEC), 700 V a.c. (UL) - 1000 A to 4000 A - Size 4 - Flush end contact - 170M

Cut-off curve - 1000 A to 4000 A



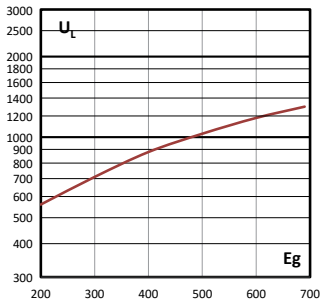
Total clearing I²t

The total clearing I²t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I²t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



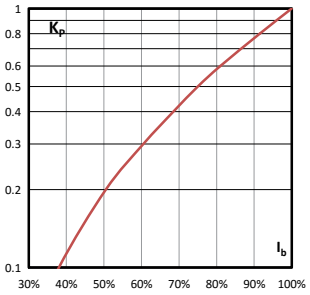
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p, is given as a function of the RMS load current, I_b, in percent of the rated current.



Data sheet: 170K6328

Downloaded from Arrow.com.

1000 V a.c. (IEC and IEC/UL) - 1000 A to 3000 A - - Size 4 - Flush end contact - 170M

Description

Square body, flush end contact, high speed fuse links, for the protection of power rectifiers.



Technical data

- Rated voltage: 1000 V a.c. (IEC and IEC/UL)
- Rated current: 1000 A to 3000 A
- Breaking capacity:
  - IEC Certified catalogue numbers 200 kA RMS Sym
  - IEC and UL Certified catalogue numbers: 100 kA RMS Sym
- Operating class: aR

Standards / Agency information

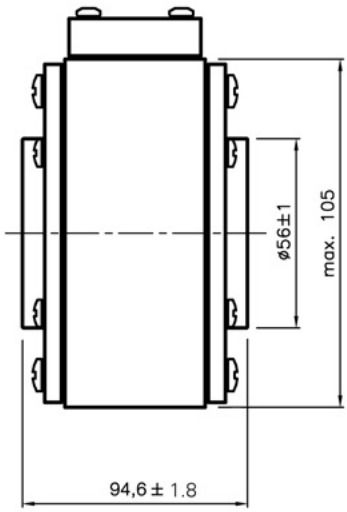
CE, Designed and tested to IEC 60269 Part 4

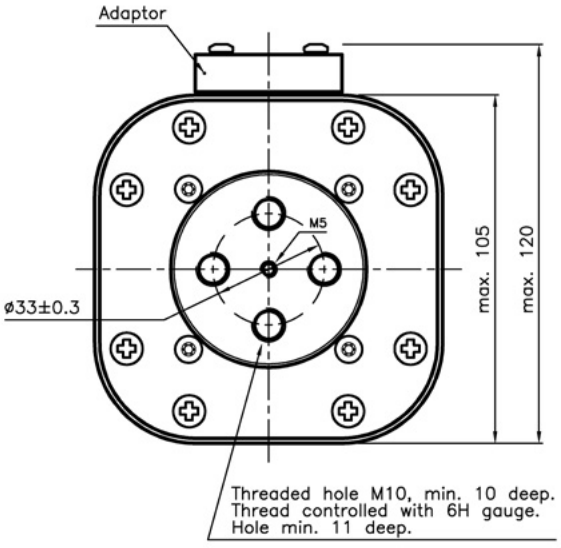
-UL catalogue numbers are IEC 60269 Part 4 and UL 248-13 certified

Catalogue numbers

Fuse link body size	Rated voltage	Rated current (Amps)	I^2t (A^2 Sec)		Watts loss (W)	Catalogue numbers			
			Pre-arcing	Clearing at 1000 V a.c.		-BKN/95 Type K indicator with IEC certification only	-BKN/95 Type K indicator with IEC and UL Certification	-SBKN/90 Type K indicator with IEC certification only	-SBKN/90 Type K indicator with IEC and UL Certication
4	1000 V a.c.	1000	180,000	1,100,000	195			170M7542	170M7542-UL
		1100	250,000	1,500,000	200			170M7031	170M7031-UL
		1500	600,000	3,600,000	250	170M7636	170M7636-UL	170M7548	170M7548-UL
		1700	850,000	5,000,000	260	170M7639	170M7639-UL	170M7034	170M7034-UL
		1800	1,000,000	5,950,000	265	170M7661	170M7661-UL	170M7053	170M7053-UL
		2000	1,450,000	8,600,000	270	170M7963	170M7963-UL	170M7544	170M7544-UL
		2200	2,000,000	12,000,000	280	170M7090	170M7090-UL	170M7035	170M7035-UL
		2500	3,000,000	18,000,000	295	170M7640	170M7640-UL	170M7036	170M7036-UL
		2700	3,700,000	22,000,000	310	170M7658	170M7658-UL	170M7037	170M7037-UL
		3000	4,700,000	28,000,000	380	170M7962	170M7962-UL	170M7156	170M7156-UL

Dimensions (mm) - 4BKN/95



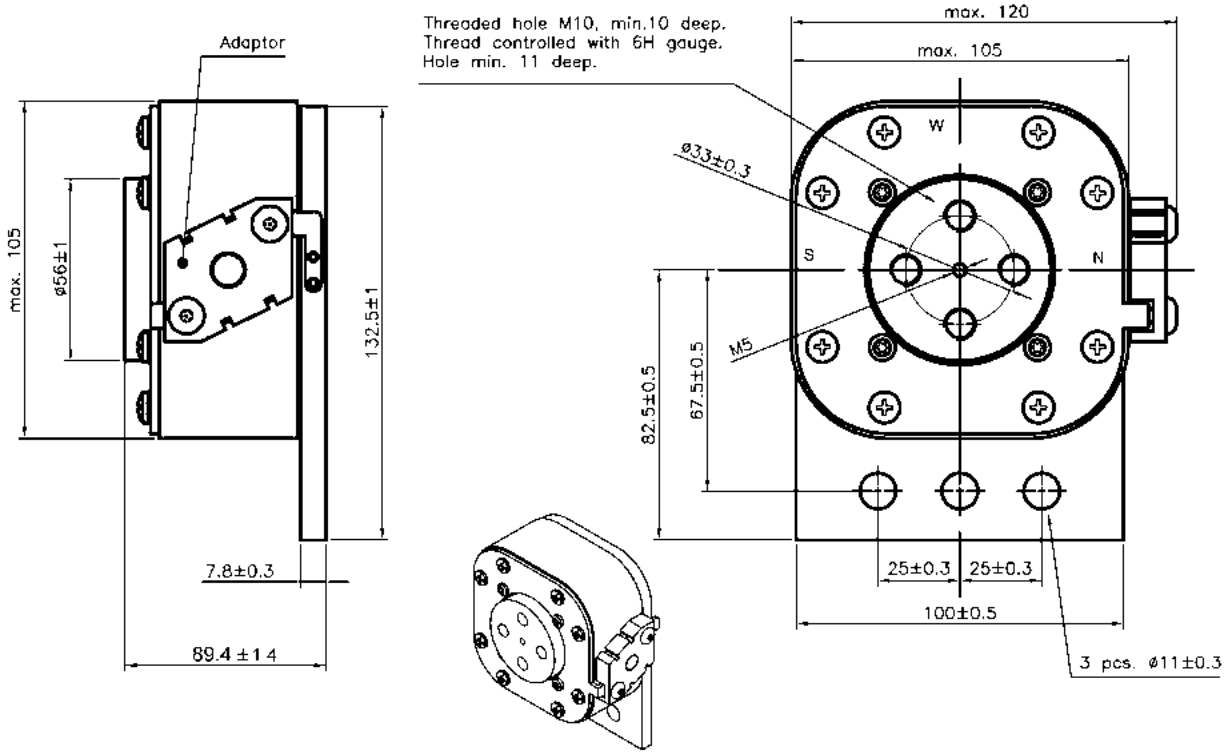


Data sheets: TD135021EN 170K8520 (1000 A to 1700 A, 2000 A to 2700 A, 170K8520-R (1800 and 3000 A), 170K7452 1000-3000A (IEC/UL)

Downloaded from Arrow.com.

1000 V a.c. (IEC and IEC/UL) - 1000 A to 3000 A - - Size 4 - Flush end contact - 170M

Dimensions (mm) - 4SBKN/90

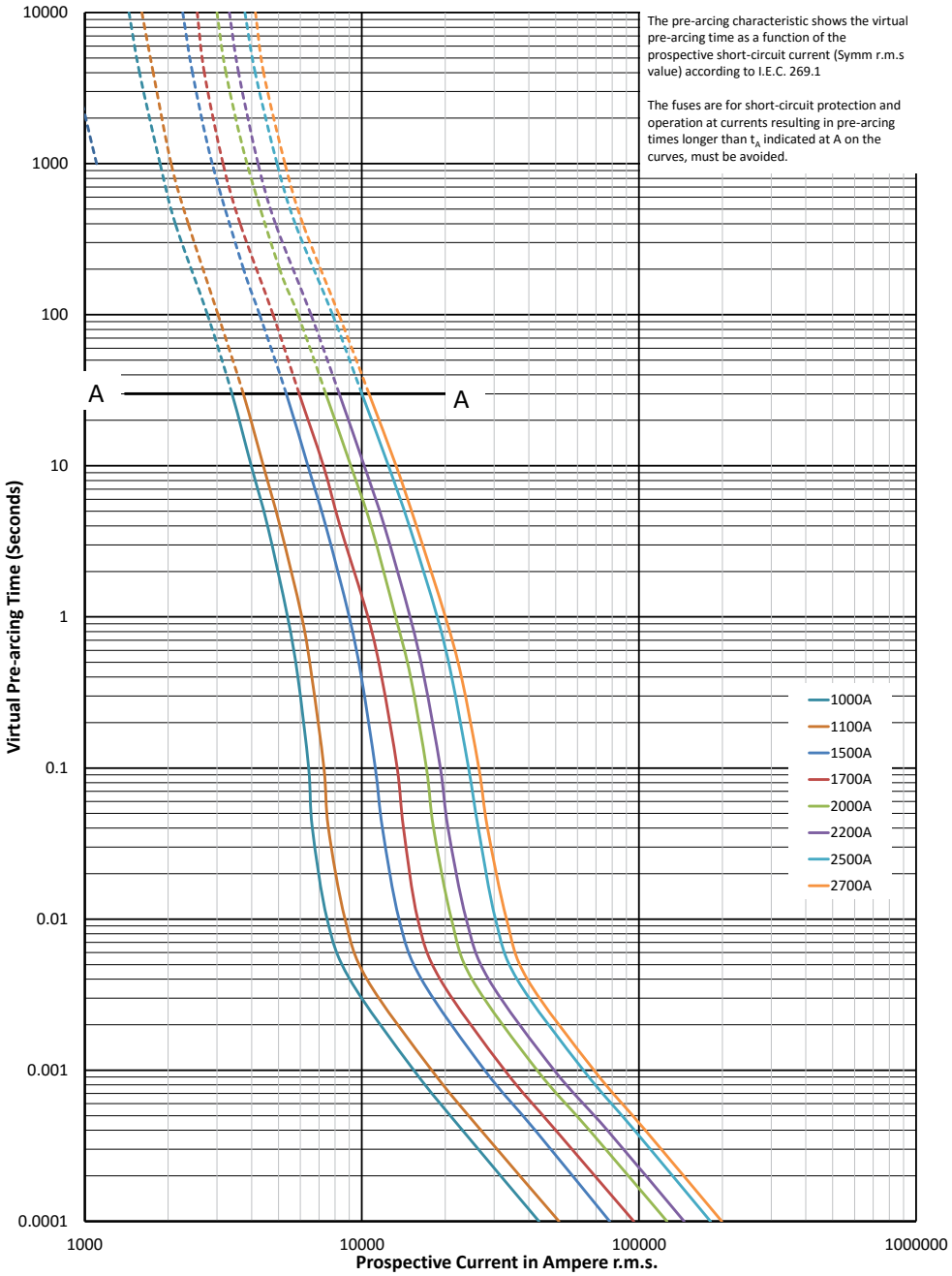


Data sheets: TD135021EN 170K8520 (1000 A to 1700 A, 2000 A to 2700 A, 170K8520-R (1800 and 3000 A), 170K7452 1000-3000A (IEC/UL)

Downloaded from Arrow.com.

1000 V a.c. (IEC and IEC/UL) - 1000 A to 3000 A - - Size 4 - Flush end contact - 170M

Time-current curve - IEC Certified fuses - 1000 A to 2700 A



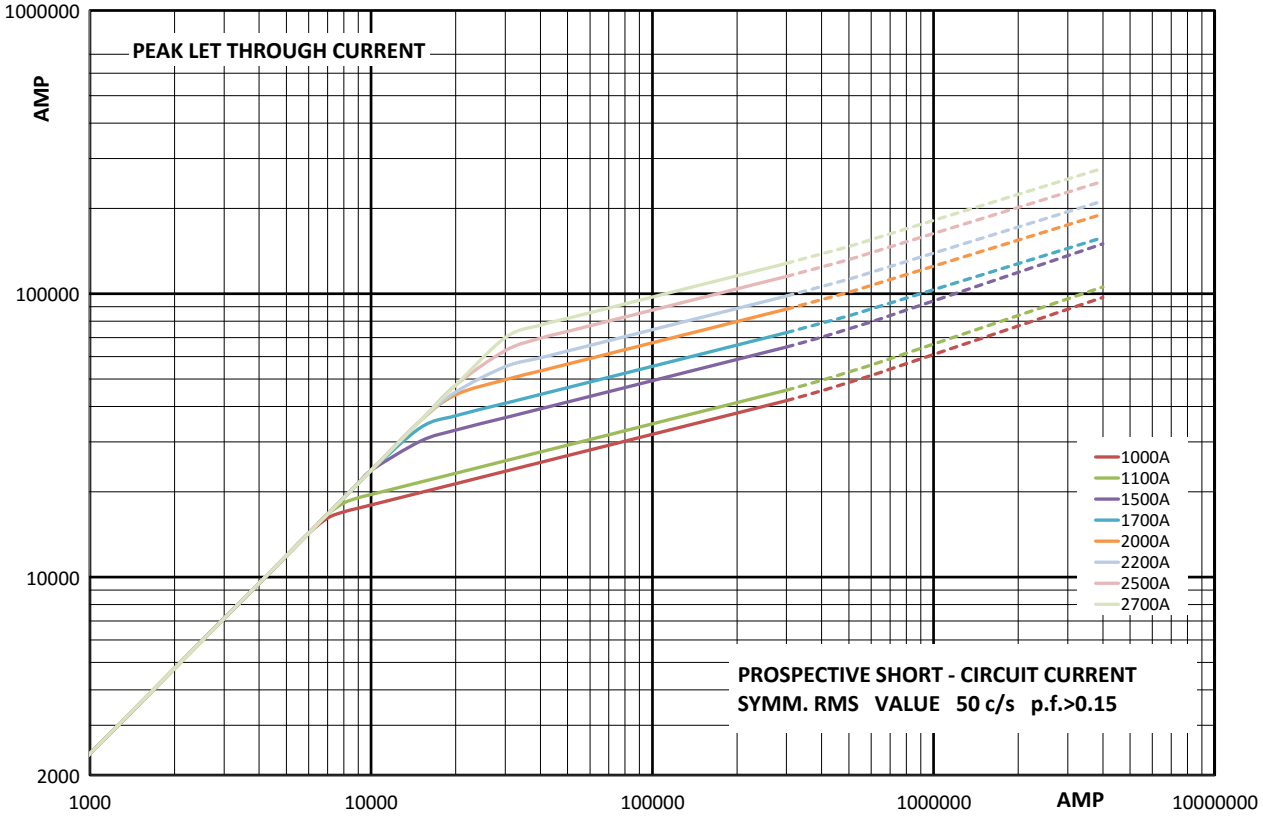
K_b = 1 N = 1.6

Data sheets: TD135021EN 170K8520 (1000 A to 1700 A, 2000 A to 2700 A, 170K8520-R (1800 and 3000 A), 170K7452 1000-3000A (IEC/UL)

Downloaded from Arrow.com.

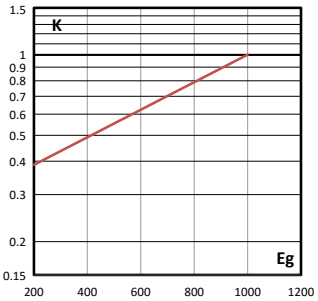
1000 V a.c. (IEC and IEC/UL) - 1000 A to 3000 A - - Size 4 - Flush end contact - 170M

Cut-off curve - IEC Certified fuses - 1000 A to 2700 A



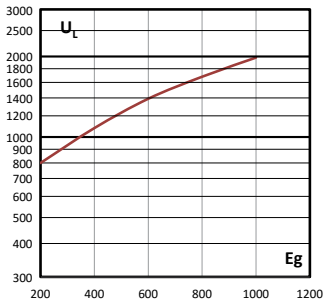
Total clearing I^2t

The total clearing I^2t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I^2t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



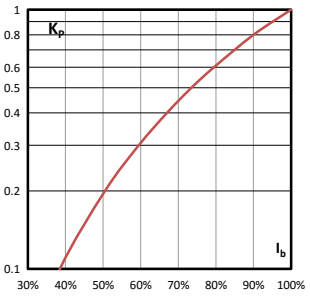
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.

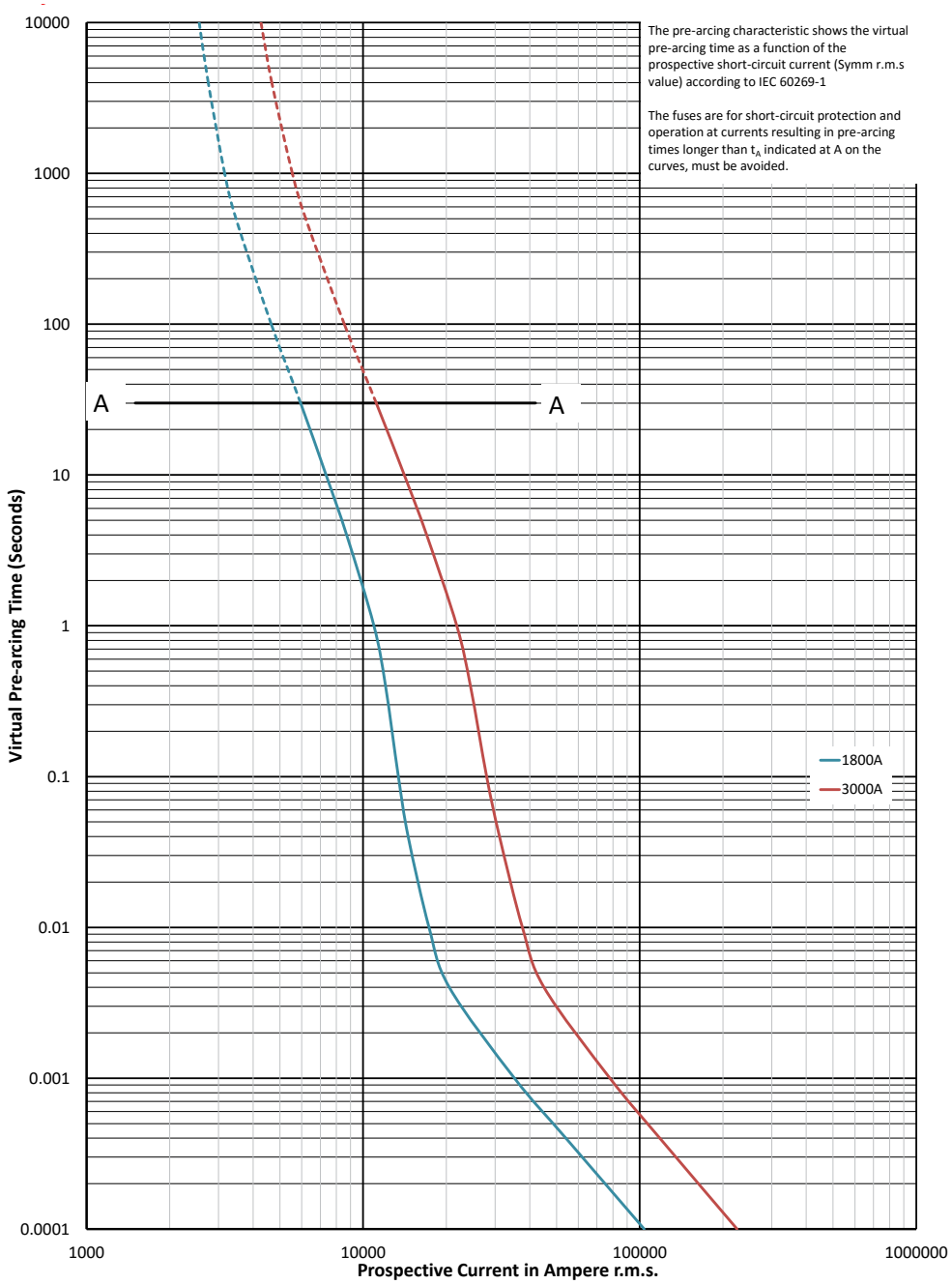


Data sheets: TD135021EN 170K8520 (1000 A to 1700 A, 2000 A to 2700 A, 170K8520-R (1800 and 3000 A), 170K7452 1000-3000A (IEC/UL)

Downloaded from Arrow.com.

1000 V a.c. (IEC and IEC/UL) - 1000 A to 3000 A - - Size 4 - Flush end contact - 170M

Time-current curve - IEC Certified fuses - 1800 A and 3000 A



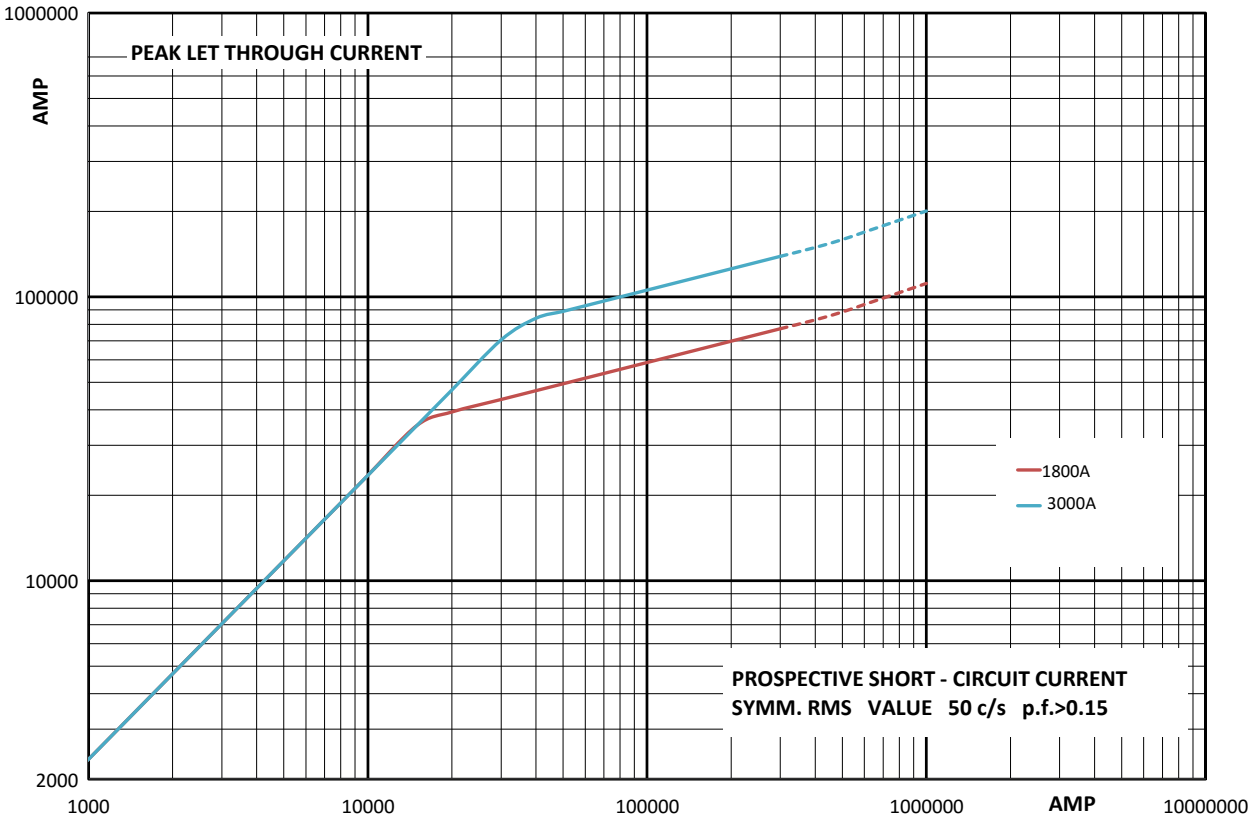
K_b = 1 N = 1.6

Data sheets: TD135021EN 170K8520 (1000 A to 1700 A, 2000 A to 2700 A, 170K8520-R (1800 and 3000 A), 170K7452 1000-3000A (IEC/UL)

Downloaded from Arrow.com.

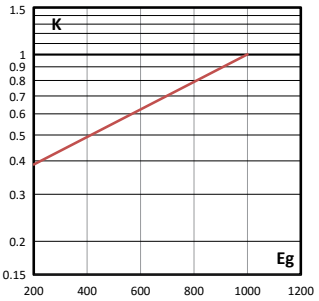
1000 V a.c. (IEC and IEC/UL) - 1000 A to 3000 A - - Size 4 - Flush end contact - 170M

Cut-off curve - IEC Certified fuses - 1800 A and 3000 A



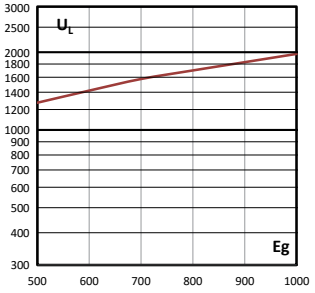
Total clearing I^2t

The total clearing I^2t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I^2t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



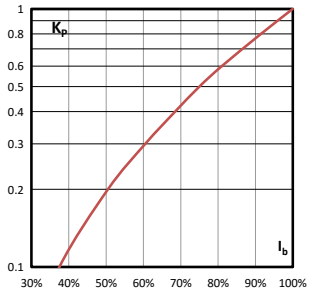
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.

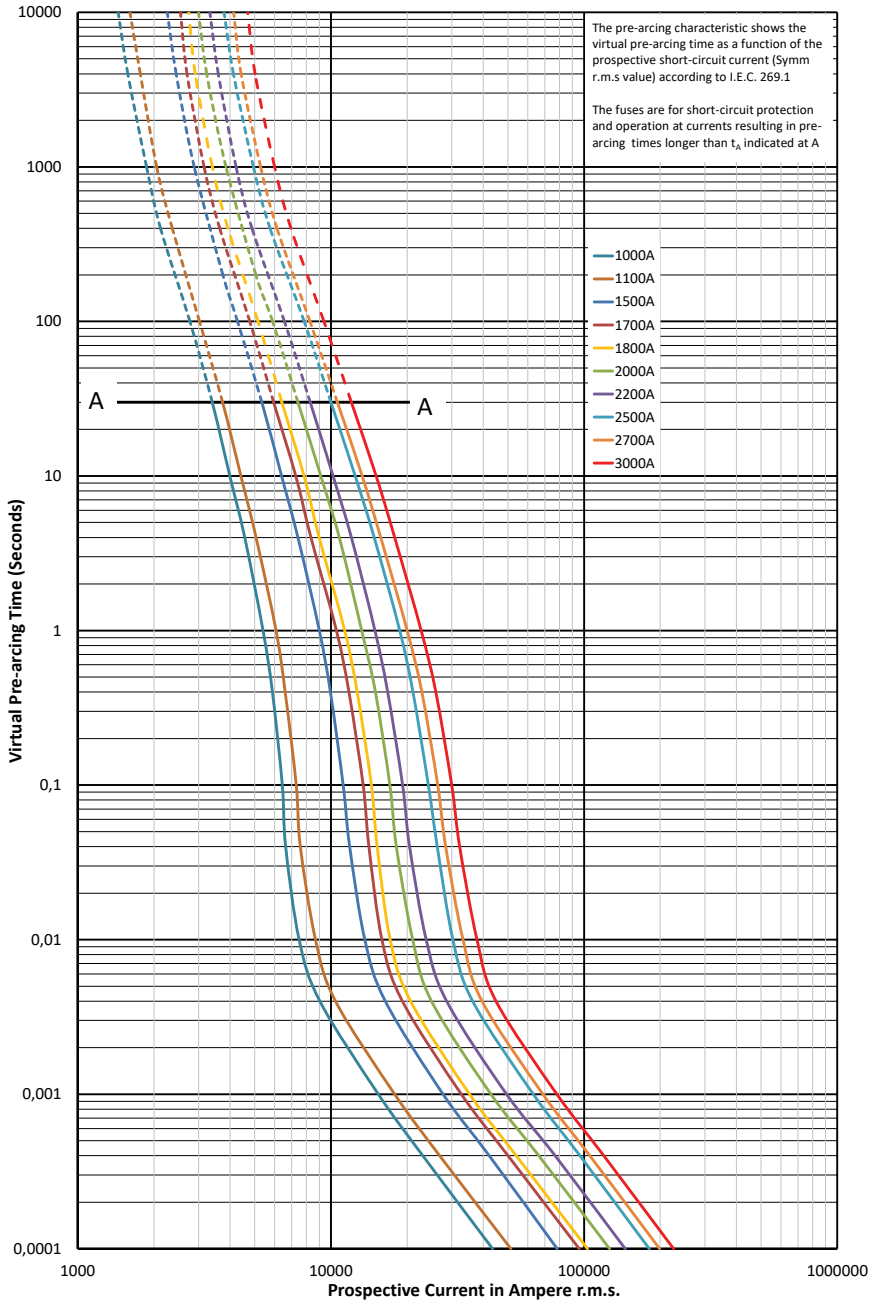


Data sheets: TD135021EN 170K8520 (1000 A to 1700 A, 2000 A to 2700 A, 170K8520-R (1800 and 3000 A), 170K7452 1000-3000A (IEC/UL)

Downloaded from Arrow.com.

1000 V a.c. (IEC and IEC/UL) - 1000 A to 3000 A - - Size 4 - Flush end contact - 170M

Time-current curve - IEC and UL Certified fuses - 1000 A to 3000 A



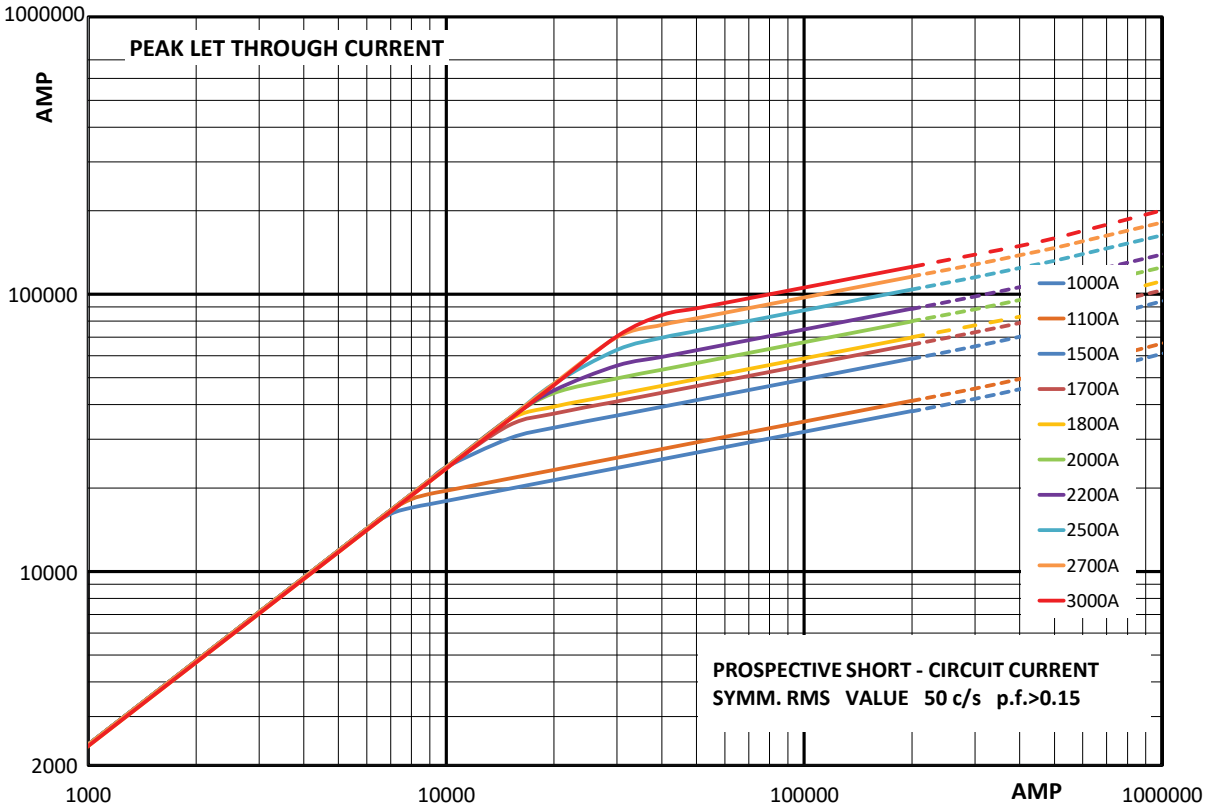
K_b = 1 N = 1,6

Data sheets: TD135021EN 170K8520 (1000 A to 1700 A, 2000 A to 2700 A, 170K8520-R (1800 and 3000 A), 170K7452 1000-3000A (IEC/UL)

Downloaded from Arrow.com.

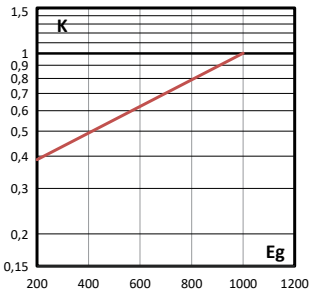
1000 V a.c. (IEC and IEC/UL) - 1000 A to 3000 A - - Size 4 - Flush end contact - 170M

Cut-off curve - IEC and UL Certified fuses - 1000 A to 3000 A



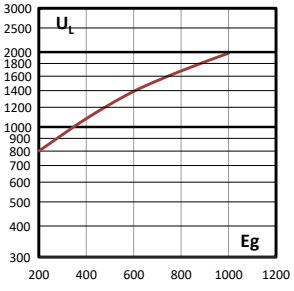
Total clearing I^2t

The total clearing I^2t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I^2t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



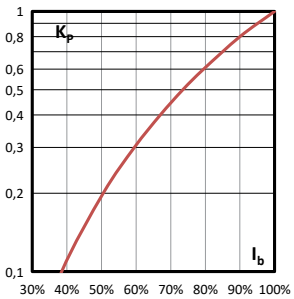
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.



Data sheets: TD135021EN 170K8520 (1000 A to 1700 A, 2000 A to 2700 A, 170K8520-R (1800 and 3000 A), 170K7452 1000-3000A (IEC/UL)

Downloaded from Arrow.com.

1250 V a.c. (IEC) - 800 A to 2500 A - Size 4 - Flush end contact - 170M

Description

Square body, flush end contact, high speed fuse links, for the protection of power rectifiers.



Technical data

- Rated voltage:
  - 1250 V a.c. (IEC)
  - 1200 V d.c. (UL)
- Rated current: 800 A to 2500 A
- Operating class: aR

Standards / Agency information

CE, Designed and tested to IEC 60269 Part 4, UL

Catalogue numbers

Fuse link body size	AC		DC		Rated current (Amps)	I²t (A² Sec)		Watts loss (W)	Catalogue numbers	
	Rated voltage	Breaking capacity	Rated voltage	Breaking capacity		Pre-arcing	Clearing at 1250 V a.c.		-BKN/110 Type K indicator	-SBKN/105 Type K indicator
4	1250 V a.c.	100 kA	1000 V d.c. 1200 V d.c.	180 kA IR UL 85 kA IR UL	800	145,000	905,000	195	170M7802	-
					1000	275,000	1,750,000	220	170M7803	-
					1200	495,000	3,100,000	240	170M7804	-
					1400	800,000	5,000,000	250	170M7217[1]	170M7512
					1500	1,000,000	6,200,000	260	170M7597	170M7510
					1700	1,400,000	8,700,000	275	170M7676	170M7511
					1800	1,700,000	11,000,000	280	170M7532	170M7976
					2000	2,300,000	14,500,000	305	170M7633	170M7513
					2200	3,100,000	19,500,000	315	170M7592	170M7546
					2400	4,000,000	25,000,000	330	170M7107	170M7516
					2500	4,500,000	28,000,000	340	170M7595[2]	170M7978

[1] 170M7217 rated 850 V d.c./1250 V a.c. (IEC), 1000 V d.c. 180 kA IR (UL), 1200 V d.c. 85 kA IR (UL)

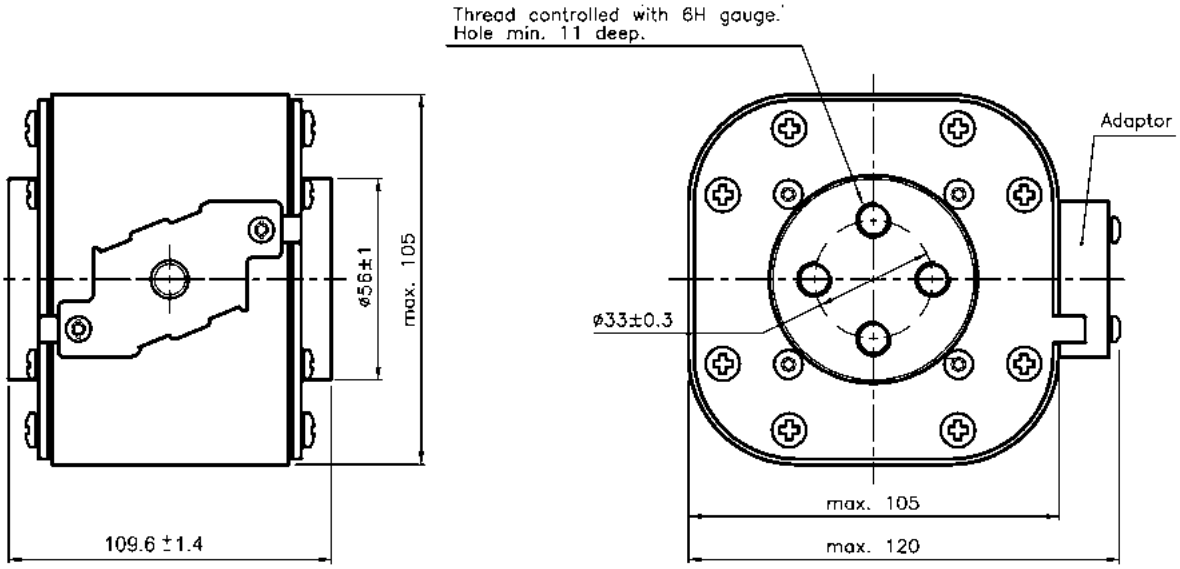
[2] 170M7595 rated at 1200V d.c. 85kA only at 2ms time constant

Data sheets: 170K6640 (1400 A to 2400 A), 170K6642 (800 A to 1200A and 2500 A)

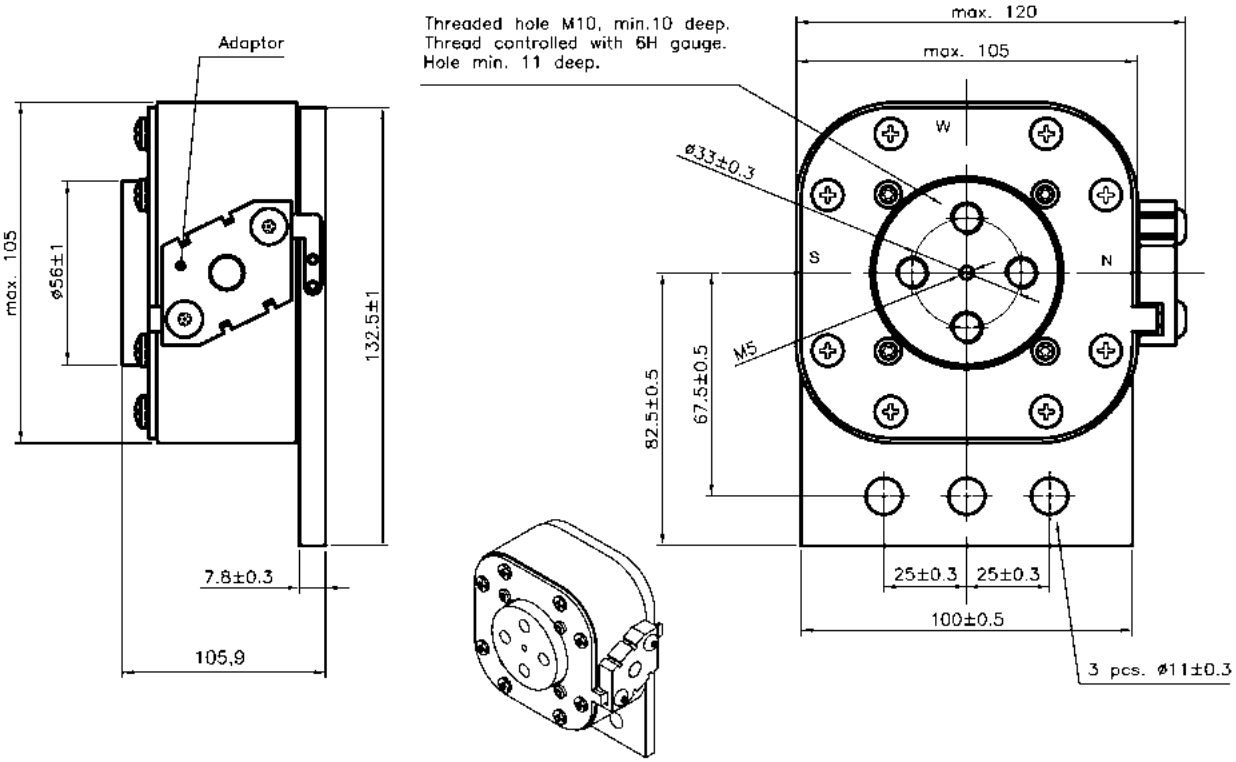
Downloaded from Arrow.com.

1250 V a.c. (IEC) - 800 A to 2500 A - Size 4 - Flush end contact - 170M

Dimensions (mm) - 4BKN/110



Dimensions (mm) - 4SBKN/105

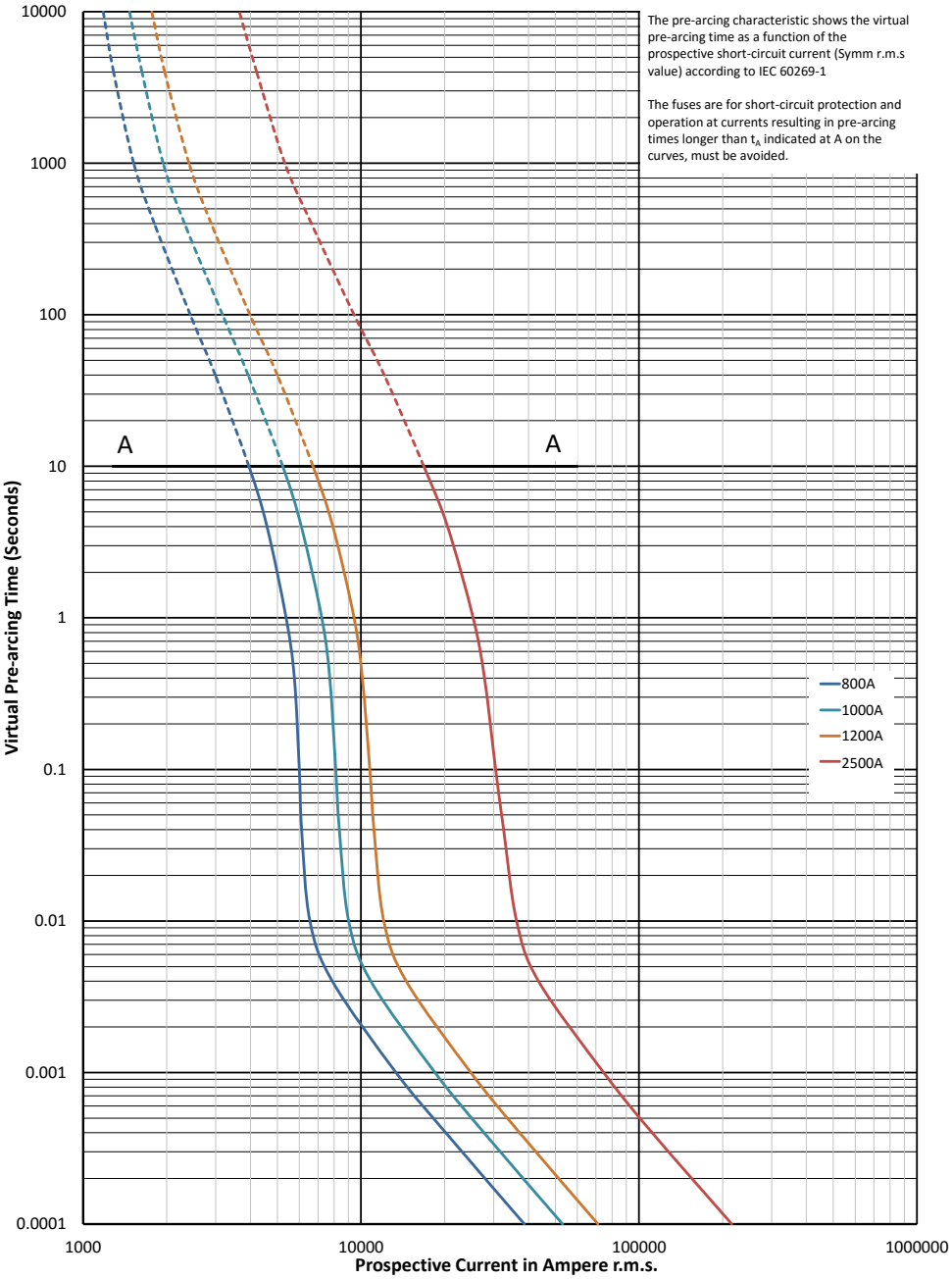


Data sheets: 170K6640 (1400 A to 2400 A), 170K6642 (800 A to 1200A and 2500 A)

Downloaded from Arrow.com.

1250 V a.c. (IEC) - 800 A to 2500 A - Size 4 - Flush end contact - 170M

Time-current curve - 800 A to 2500 A



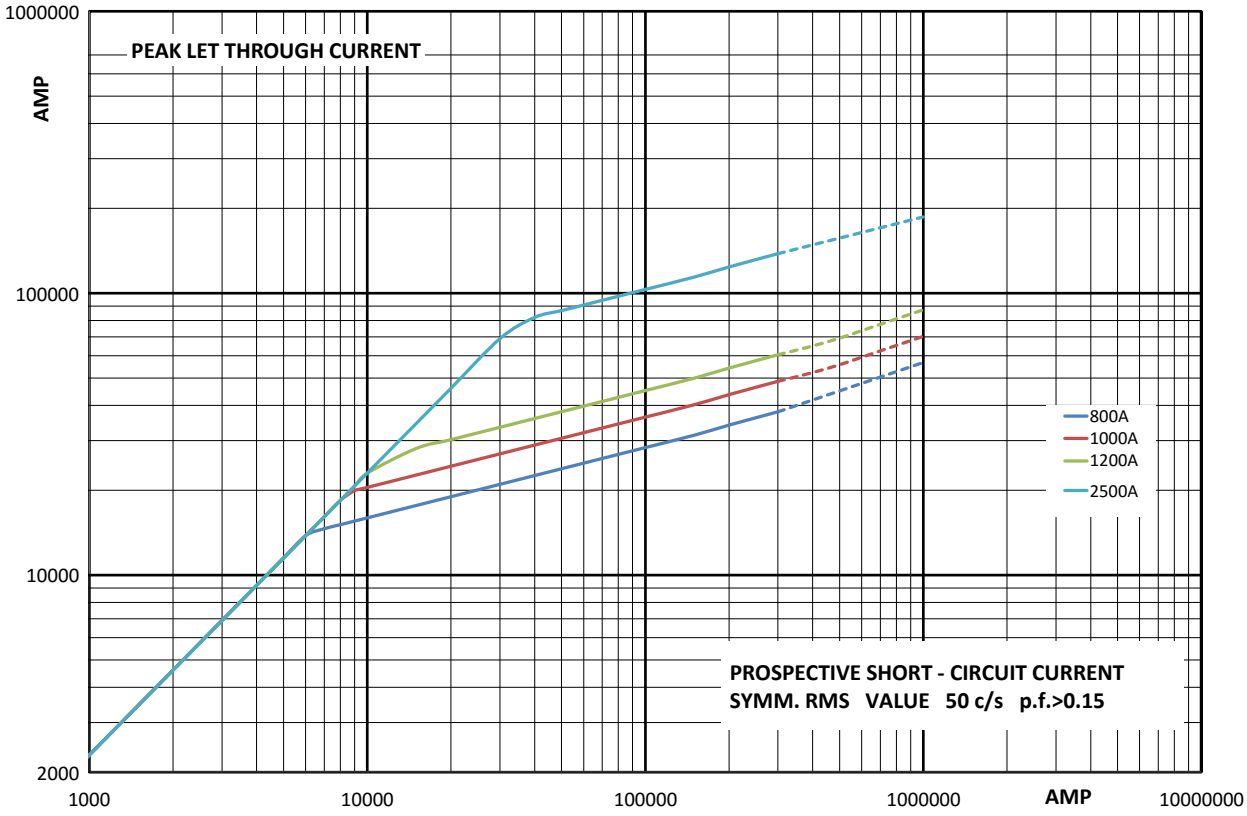
K_b = 1 N = 1.7

Data sheets: 170K6640 (1400 A to 2400 A), 170K6642 (800 A to 1200A and 2500 A)

Downloaded from Arrow.com.

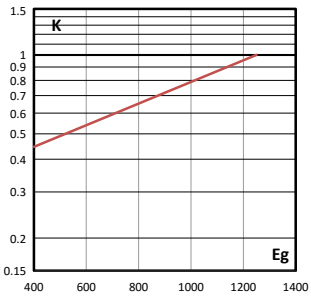
1250 V a.c. (IEC) - 800 A to 2500 A - Size 4 - Flush end contact - 170M

Cut-off curve - 800 A to 2500 A



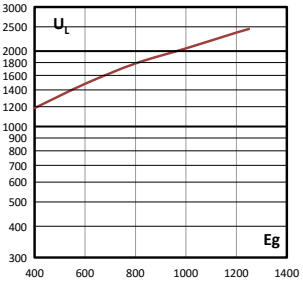
Total clearing I^2t

The total clearing I^2t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I^2t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



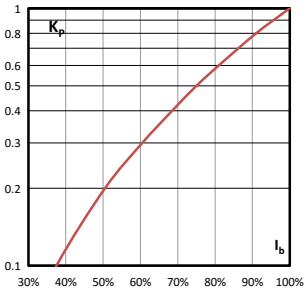
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.

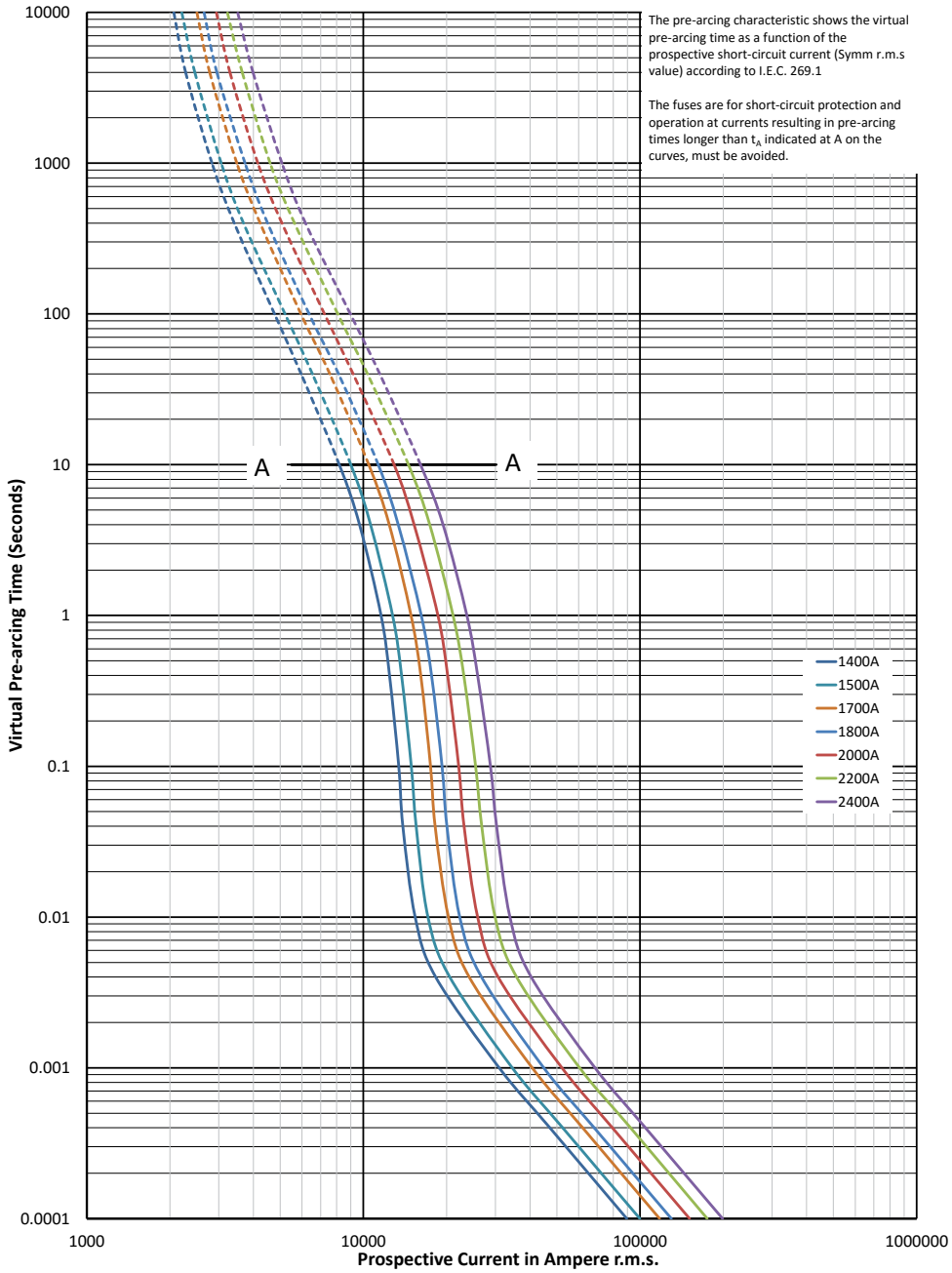


Data sheets: 170K6640 (1400 A to 2400 A), 170K6642 (800 A to 1200A and 2500 A)

Downloaded from Arrow.com.

1250 V a.c. (IEC) - 800 A to 2500 A - Size 4 - Flush end contact - 170M

Time-current curve - 1400 A to 2400 A



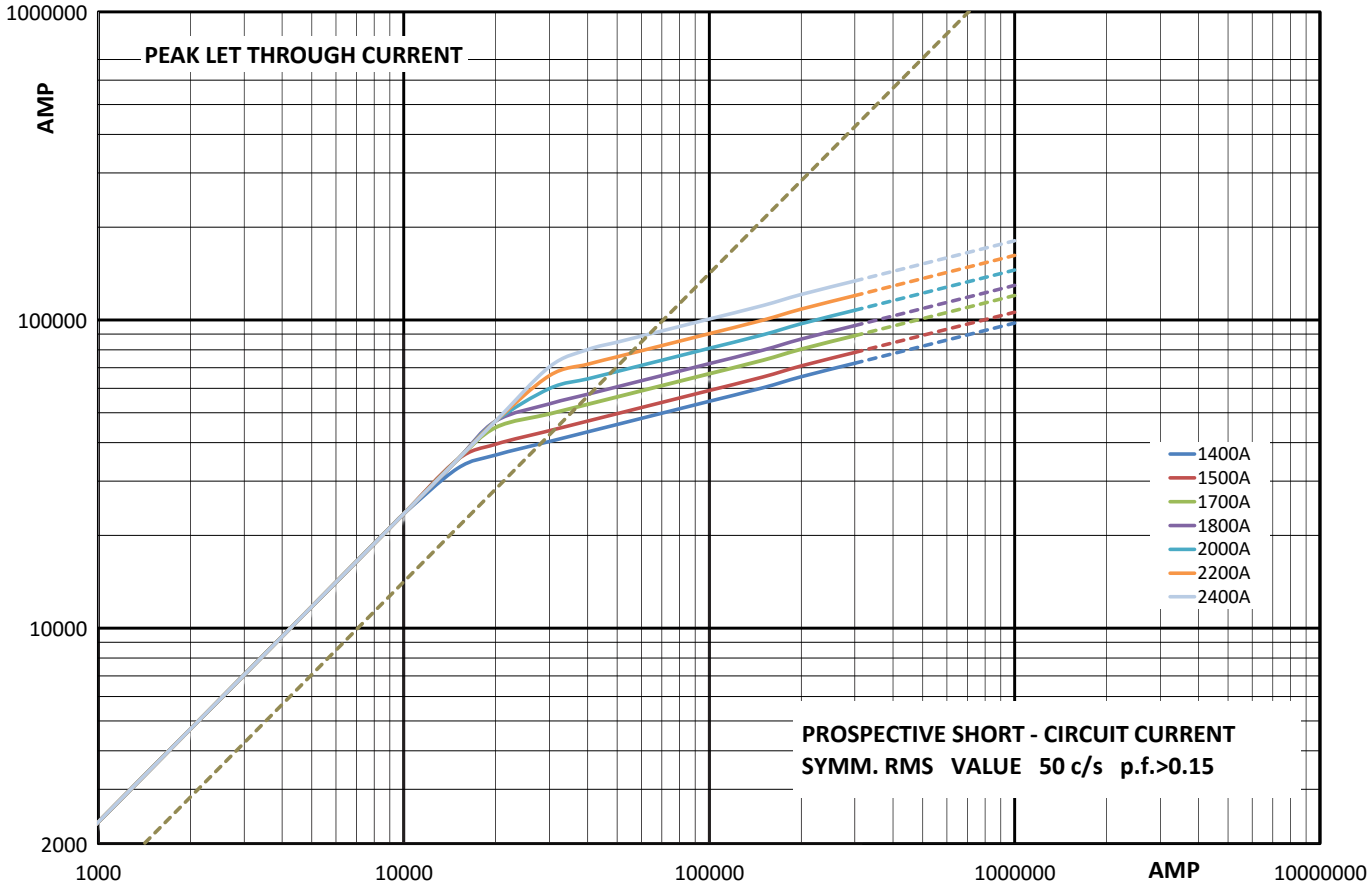
K_b = 1 N = 1.7

Data sheets: 170K6640 (1400 A to 2400 A), 170K6642 (800 A to 1200A and 2500 A)

Downloaded from Arrow.com.

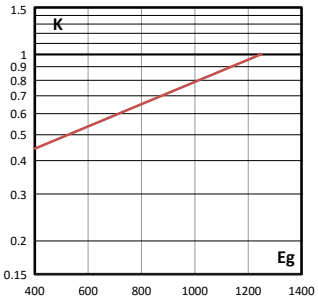
1250 V a.c. (IEC) - 800 A to 2500 A - Size 4 - Flush end contact - 170M

Cut-off curve - 1400 A to 2400 A



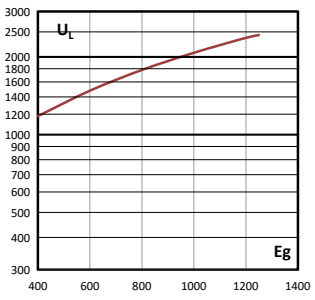
Total clearing I^2t

The total clearing I^2t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I^2t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



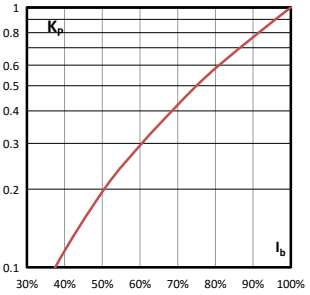
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.



Data sheets: 170K6640 (1400 A to 2400 A), 170K6642 (800 A to 1200A and 2500 A)

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660 V a.c. (IEC) - 1000 A to 4000 A - Size 23 - Flush end contact - 170M

Description

Square body, flush end contact, high speed fuse links, for the protection of power rectifiers.



Technical data

- Rated voltage:
  - 660 V a.c. (IEC, 1000 A to 3000 A)
  - 600 V a.c. (IEC, 3500 A)
  - 550 V a.c. (IEC, 4000 A)
- Rated current: 1000 A to 4000 A
- Breaking capacity: 100 kA RMS Sym
- Operating class: aR

Standards / Agency information

CE, Designed and tested to IEC 60269 Part 4

Catalogue numbers

			I^2t (A^2 Sec)			Catalogue numbers					
Fuse link body size	Rated voltage	Rated current (Amps)	Pre-arcing	Clearing at 660 V a.c.	Watts loss (W)	-BU/55	-BKE/55 Type K indicator	-BKN/55 Type K indicator	-GU/55	-GKE/55 Type K Indicator	-GKN/55 Type K Indicator
23	660 V a.c. (IEC)	1000	79,000	530,000	170	170M6858	170M6898	170M6878	170M6918	170M6958	170M6938
		1100	95,000	635,000	185	170M6859	170M6899	170M6879	170M6919	170M6959	170M6939
		1250	155,000	1,050,000	190	170M6860	170M6900	170M6880	170M6920	170M6960	170M6940
		1400	200,000	1,350,000	210	170M6861	170M6901	170M6881	170M6921	170M6961	170M6941
		1500	240,000	1,650,000	215	170M6862	170M6902	170M6882	170M6922	170M6962	170M6942
		1600	315,000	2,150,000	220	170M6863	170M6903	170M6883	170M6923	170M6963	170M6943
		1800	450,000	3,050,000	230	170M6864	170M6904	170M6884	170M6924	170M6964	170M6944
		2000	625,000	4,200,000	240	170M6865	170M6905	170M6885	170M6925	170M6965	170M6945
		2200	805,000	5,400,000	255	170M6866	170M6906	170M6886	170M6926	170M6966	170M6946
		2500	1,250,000	8,350,000	265	170M6867	170M6907	170M6887	170M6927	170M6967	170M6947
		3000	2,250,000	15,500,000	285	170M6868	170M6908	170M6888	170M6928	170M6968	170M6948
	600 V a.c. (IEC)	3500	3,450,000	21,000,000[1]	315	170M6869	170M6909	170M6889	170M6929	170M6969	170M6949
	550 V a.c. (IEC)	4000	5,000,000	27,500,000[2]	340	170M6870	170M6910	170M6890	170M6930	170M6970	170M6950

[1] Clearing at 600 V a.c.

[2] Clearing at 550 V a.c.

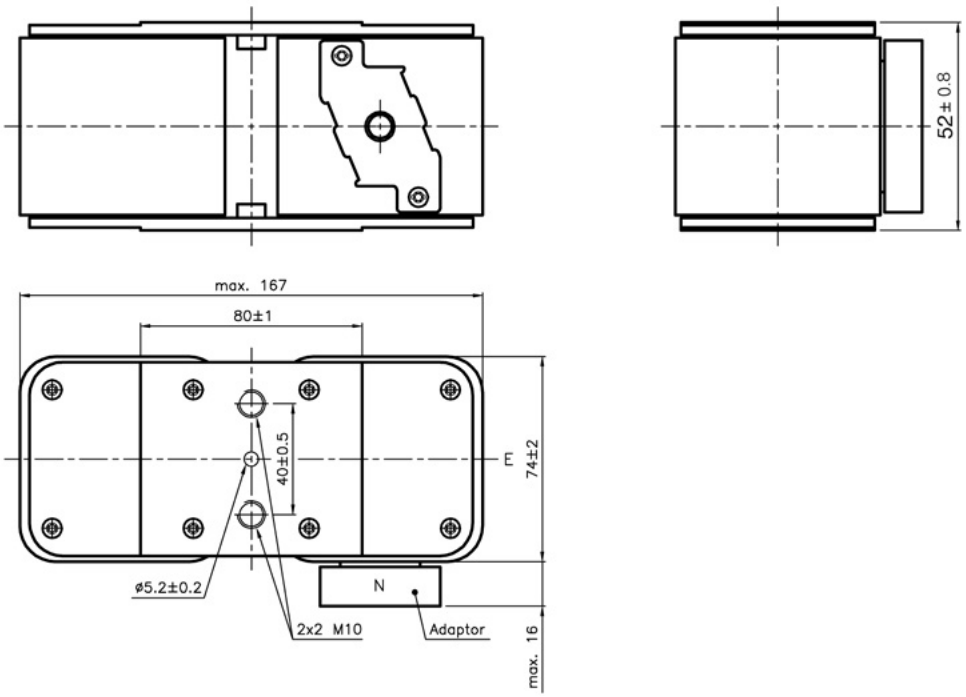
When using these fuse links, please consult Eaton for application assistance at bulehighspeedtechnical@eaton.com.

Data sheet: 170K6326

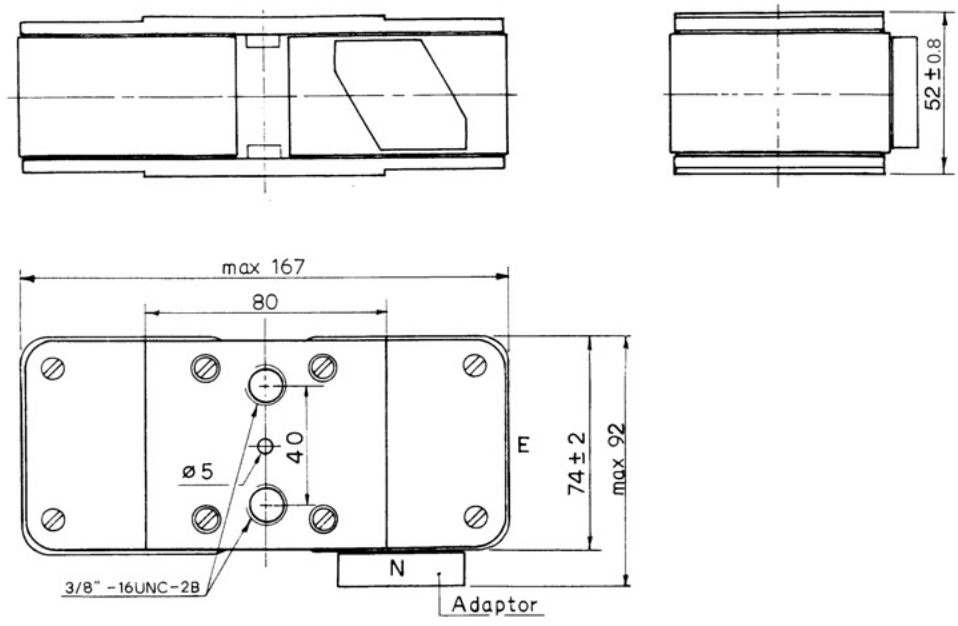
Downloaded from Arrow.com.

660 V a.c. (IEC) - 1000 A to 4000 A - Size 23 - Flush end contact - 170M

Dimensions (mm) -BU/55, -BKE/55 and -BKN/55



Dimensions (mm) -GU/55, -GKE/55 and -GKN/55



Type -GU/55, -GKE/55, -GKN/55

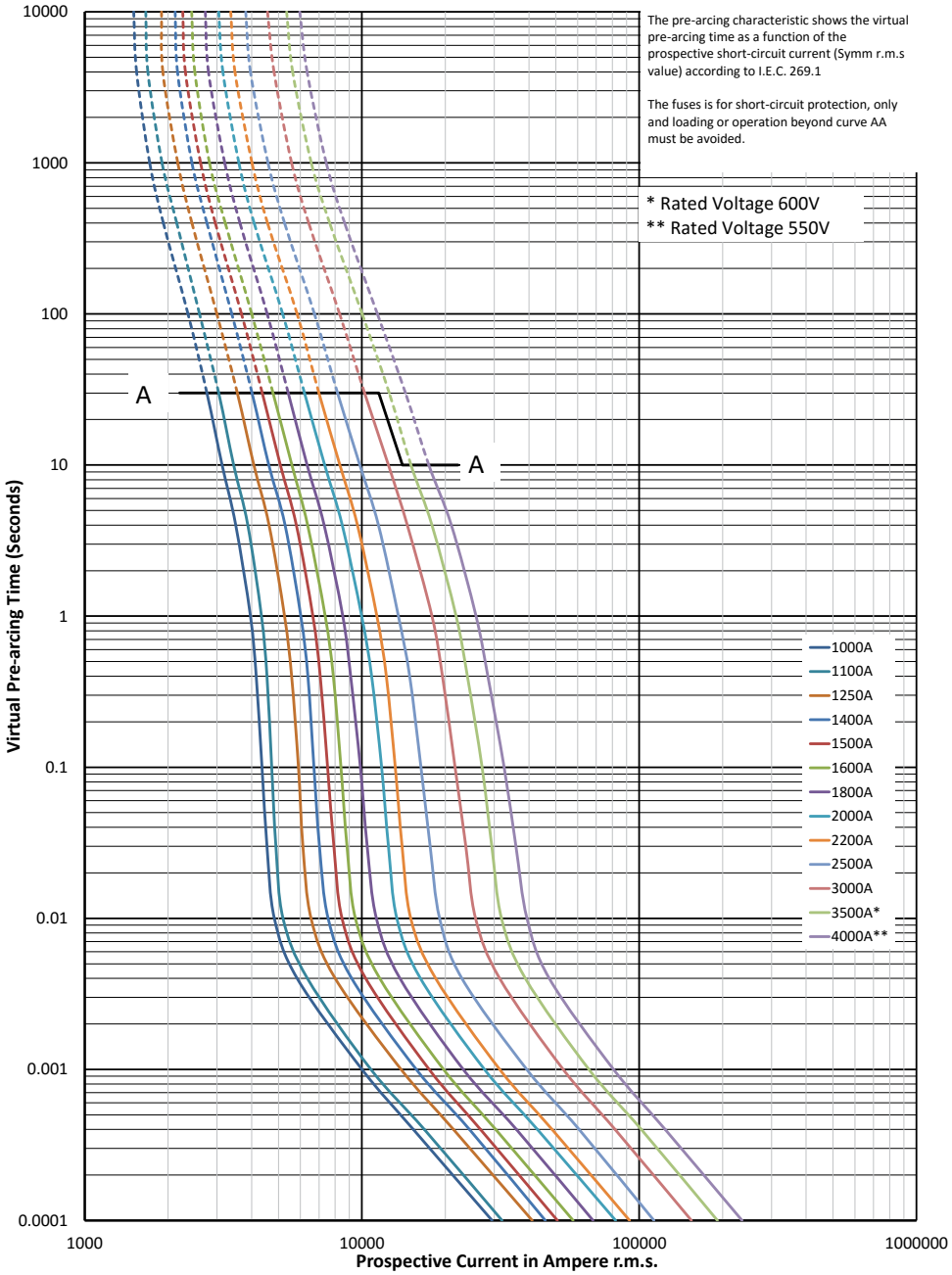
When using these fuse links, please consult Eaton for application assistance at bulehighspeedtechnical@eaton.com.

Data sheet: 170K6326

Downloaded from Arrow.com.

660 V a.c. (IEC) - 1000 A to 4000 A - Size 23 - Flush end contact - 170M

Time-current curve - 1000 A to 4000 A



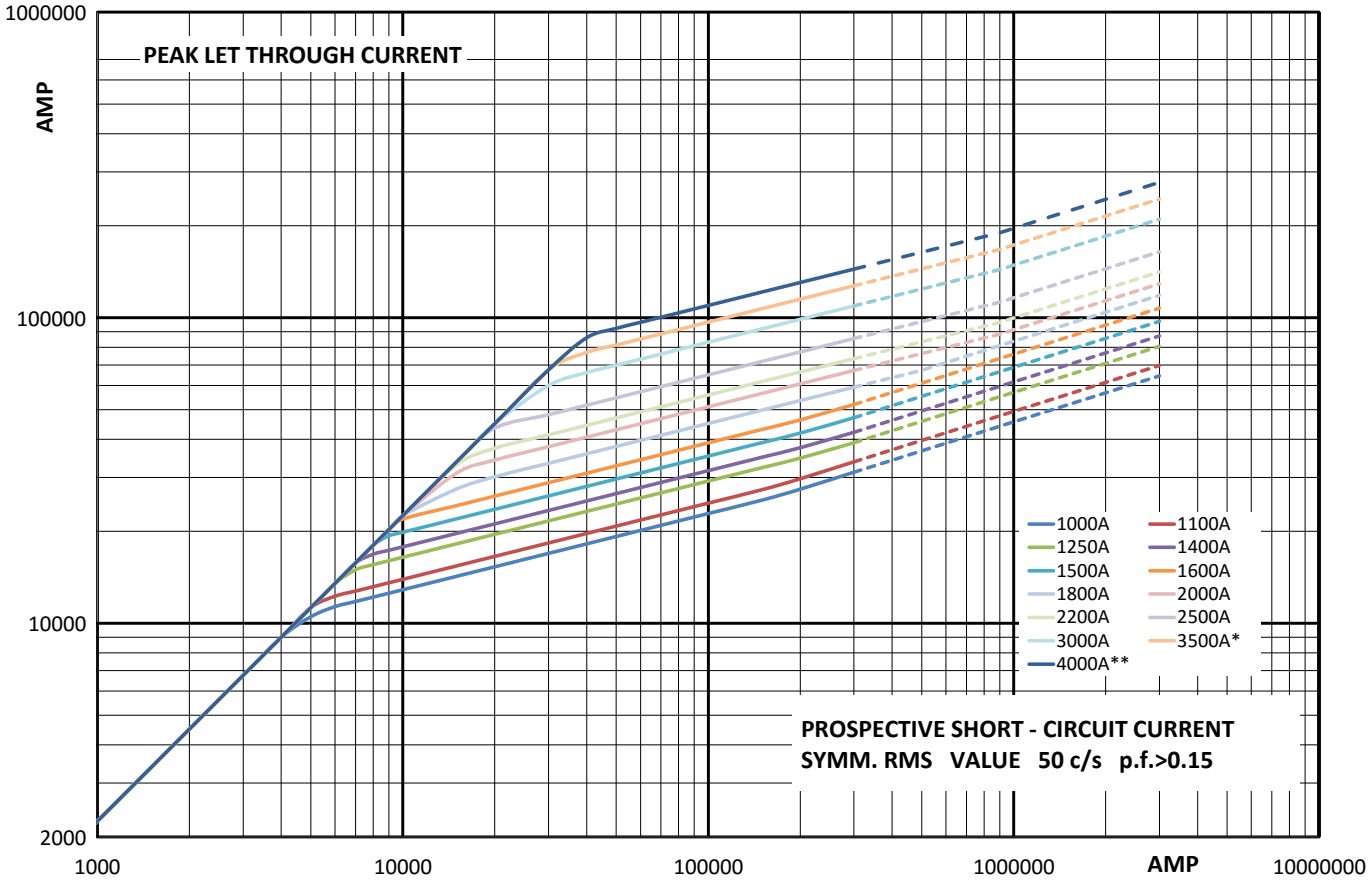
K_b = 1 N = 1.5

Data sheet: 170K6326

Downloaded from Arrow.com.

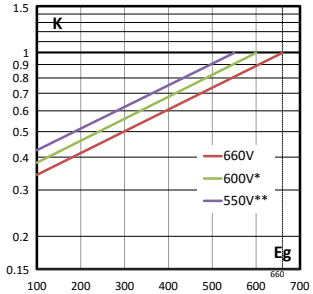
660 V a.c. (IEC) - 1000 A to 4000 A - Size 23 - Flush end contact - 170M

Cut-off curve - 1000 A to 4000 A



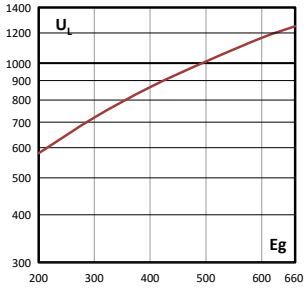
Total clearing I²t

The total clearing I²t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I²t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



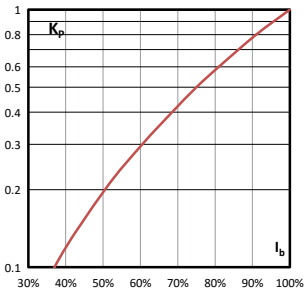
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.



Data sheet: 170K6326

Downloaded from Arrow.com.

1250 V a.c. (IEC) - 630 A to 2800 A - Size 23 - Flush end contact - 170M

Description

Square body, flush end contact, high speed fuse links, for the protection of power rectifiers.



Technical data

- Rated voltage:
  - 1250 V a.c. (IEC 630 A to 2200 A)
  - 1100 V a.c. (IEC 2500 A and 2800 A)
- Rated current: 630 A to 2800 A
- Breaking capacity: 125kA RMS Sym
- Operating class: aR

Standards / Agency information

CE, Designed and tested to IEC 60269 Part 4

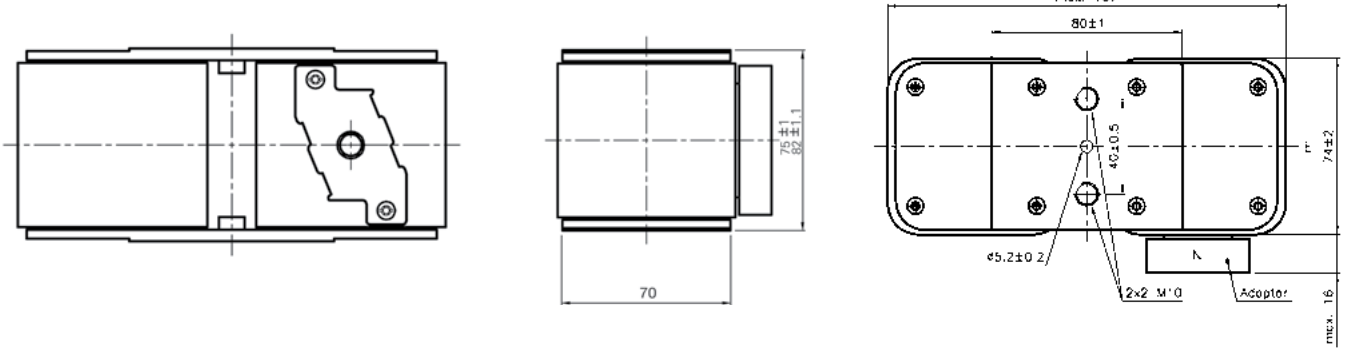
Catalogue numbers

			I²t (A² Sec)			Catalogue numbers					
Fuse link body size	Rated voltage	Rated current (Amps)	Pre-arcing	Clearing at 1250 V a.c.	Watts loss (W)	-BU/75 Visual indicator	-BKE/75 Type K indicator	-BKN/75 Type K indicator	-BU/80 Visual indicator	-BKE/80 Type K Indicator	-BKN/80 Type K Indicator
23	1250 V a.c. (IEC)	630	38,000	310,000	170	170M6775	170M6795	170M6785			
		700	54,000	440,000	180	170M6776	170M6796	170M6786			
		800	78,000	640,000	190	170M6777	170M6797	170M6787			
		900	120,000	980,000	200	170M6805	170M6807	170M6806			
		1000	155,000	1,250,000	210	170M6778	170M6798	170M6788			
		1100	220,000	1,750,000	220	170M6779	170M6799	170M6789[3]			
		1250	330,000	2,700,000	230	170M6780	170M6800	170M6790			
		1300	460,000	3,800,000	240	170M6781	170M6801	170M6791			
		1600	820,000	5,200,000	250	170M6782	170M6802	170M6792			
		1800	1,200,000	7,600,000	260	170M6783[2]	170M6803[2]	170M6793[2]			
		2000	1,800,000	11,000,000	270				170M6784	170M6804	170M6794
		2100	2,300,000	14,500,000	280				170M6815	170M6833	170M6827
	1100 V a.c. (IEC)	2500	3,200,000	16,000,000[1]	290				170M6816	170M6834	170M6828
		2800	5,000,000	24,000,000[1]	300				170M6817	170M6835	170M6829

[1] Clearing at 1000 V [2] Rated voltage 900 V d.c. 10XIn 90 kA [3] 1000 V d.c. UL 50 kA IR

When using these fuse links, please consult Eaton for application assistance at bulehighspeedtechnical@eaton.com.

Dimensions (mm)

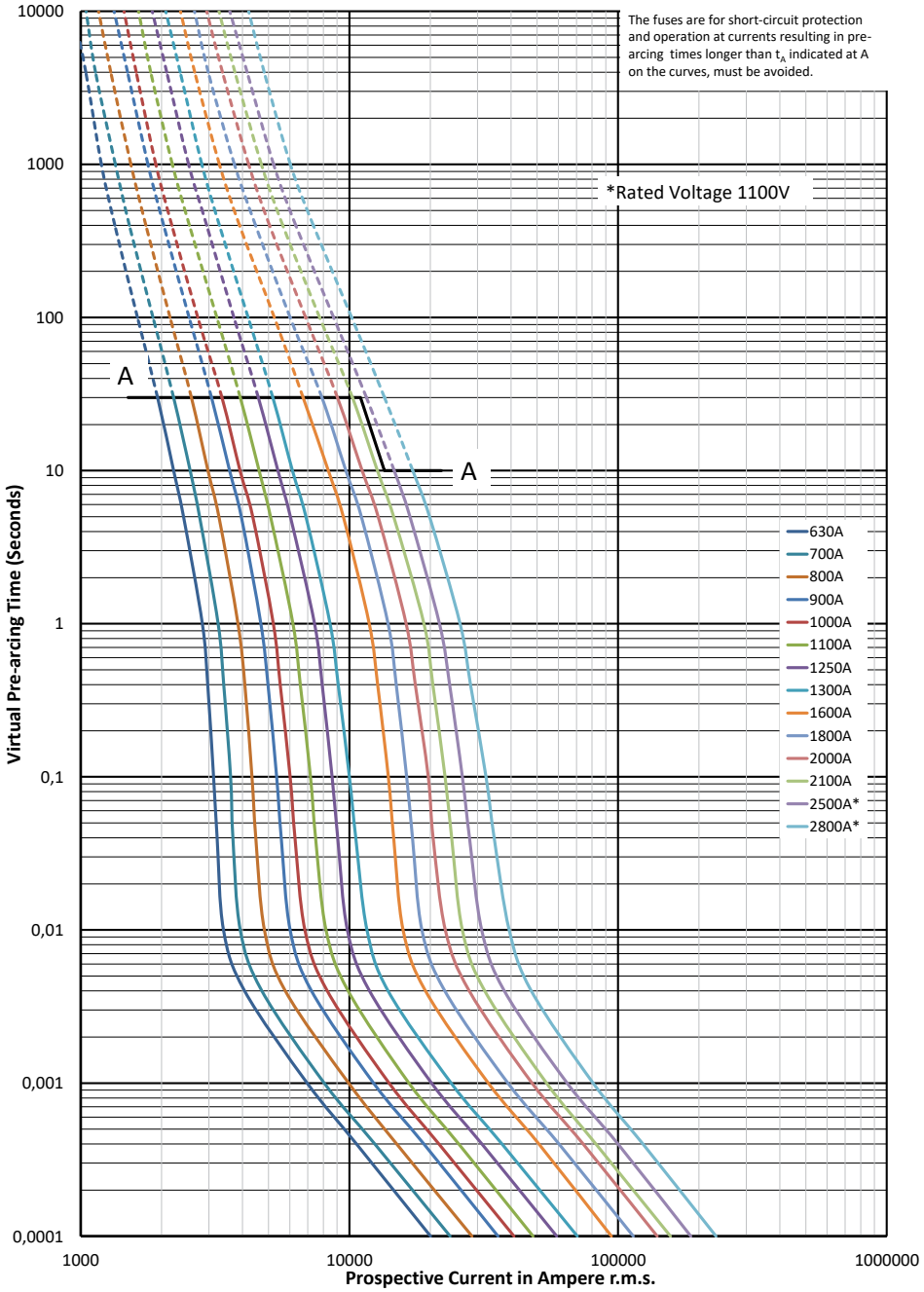


Data sheet: 170K6638

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1250 V a.c. (IEC) - 630 A to 2800 A - Size 23 - Flush end contact - 170M

Time-current curve - 630 A to 2800 A

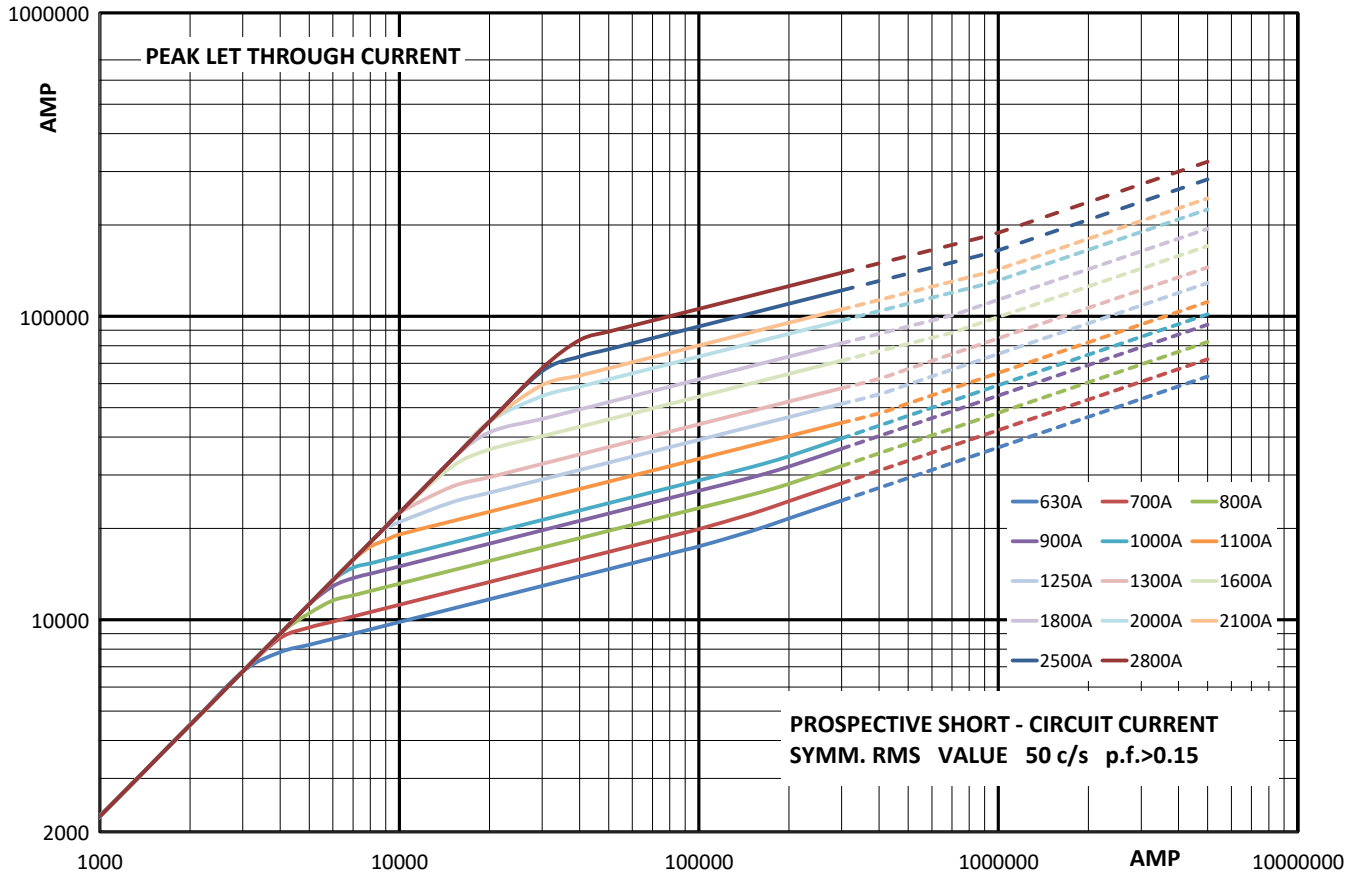


Data sheet: 170K6638

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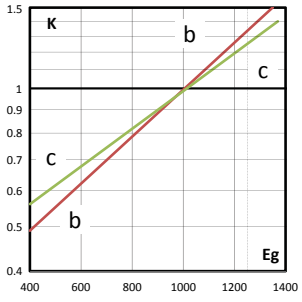
1250 V a.c. (IEC) - 630 A to 2800 A - Size 23 - Flush end contact - 170M

Cut-off curve - 630 A to 2800 A



Total clearing I^2t

The total clearing I^2t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I^2t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).

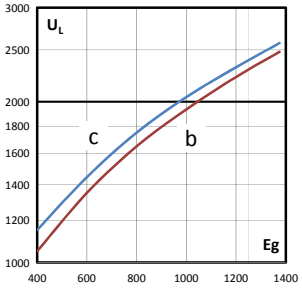


B: fuses ≤ 1400 A

C: fuses ≥ 1600 A

Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.

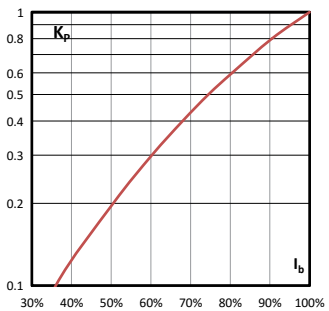


B: fuses ≤ 1400 A

C: fuses ≥ 1600 A

Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p, is given as a function of the RMS load current, I_b, in percent of the rated current.



Data sheet: 170K6638

Downloaded from Arrow.com.

690 V a.c. (IEC), 700 V a.c. (UL) - 2000 A to 6500 A - Size 24 - Flush end contact - 170M

Description

Square body, flush end contact, high speed fuse links, for the protection of power rectifiers.



Technical data

- Rated voltage: 690 V a.c. (IEC) / 700 V a.c. (UL)
- Rated current: 2000 A to 6500 A
- Breaking capacity: 200 kA RMS Sym
- Operating class: aR

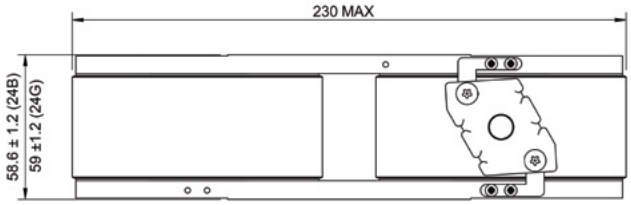
Standards / Agency information

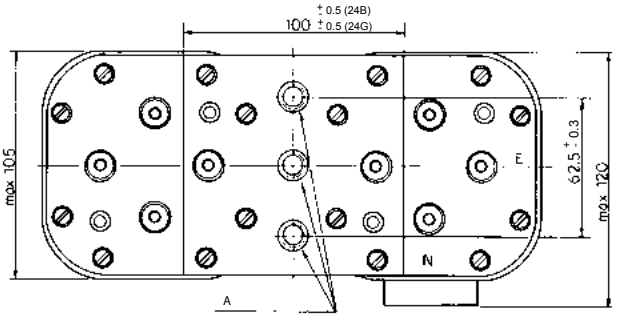
CE, Designed and tested to IEC 60269 Part 4, UL Recognised

Catalogue numbers

Fuse link body size	Rated voltage	Rated current (Amps)	I^2t (A^2 Sec)		Watts loss (W)	Catalogue numbers			
			Pre-arcing	Clearing at 660 V a.c.		-BU/60 Without indicator	-BKN/60 Type K indicator	-GU/60 Without indicator	-GKN/60 Type K indicator
24	690 V a.c. (IEC) 700 V a.c. (UL)	2000	340,000	2,300,000	340	170M7138	170M7158	170M7198	170M7218
		2500	650,000	4,350,000	390	170M7139	170M7159	170M7199	170M7219
		3000	1,100,000	7,300,000	430	170M7140	170M7160	170M7200	170M7220
		3500	1,800,000	12,000,000	460	170M7141	170M7161	170M7201	170M7221
		4000	2,700,000	18,000,000	490	170M7142	170M7162	170M7202	170M7222
		4500	3,800,000	25,500,000	520	170M7143	170M7163	170M7203	170M7223
		5000	5,450,000	36,500,000	540	170M7144	170M7164	170M7204	170M7224
		5500	7,400,000	49,500,000	560	170M7145	170M7165	170M7205	170M7225
		6000	9,600,000	64,000,000	580	170M7146	170M7166	170M7206	170M7226
		6500	12,500,000	83,000,000	600	170M7147	170M7167	170M7207	170M7227

Dimensions (mm)





Size	Type	A
24	BKN	2x3 M12
24	GKN	2x3 ½" -13 UNC-2B

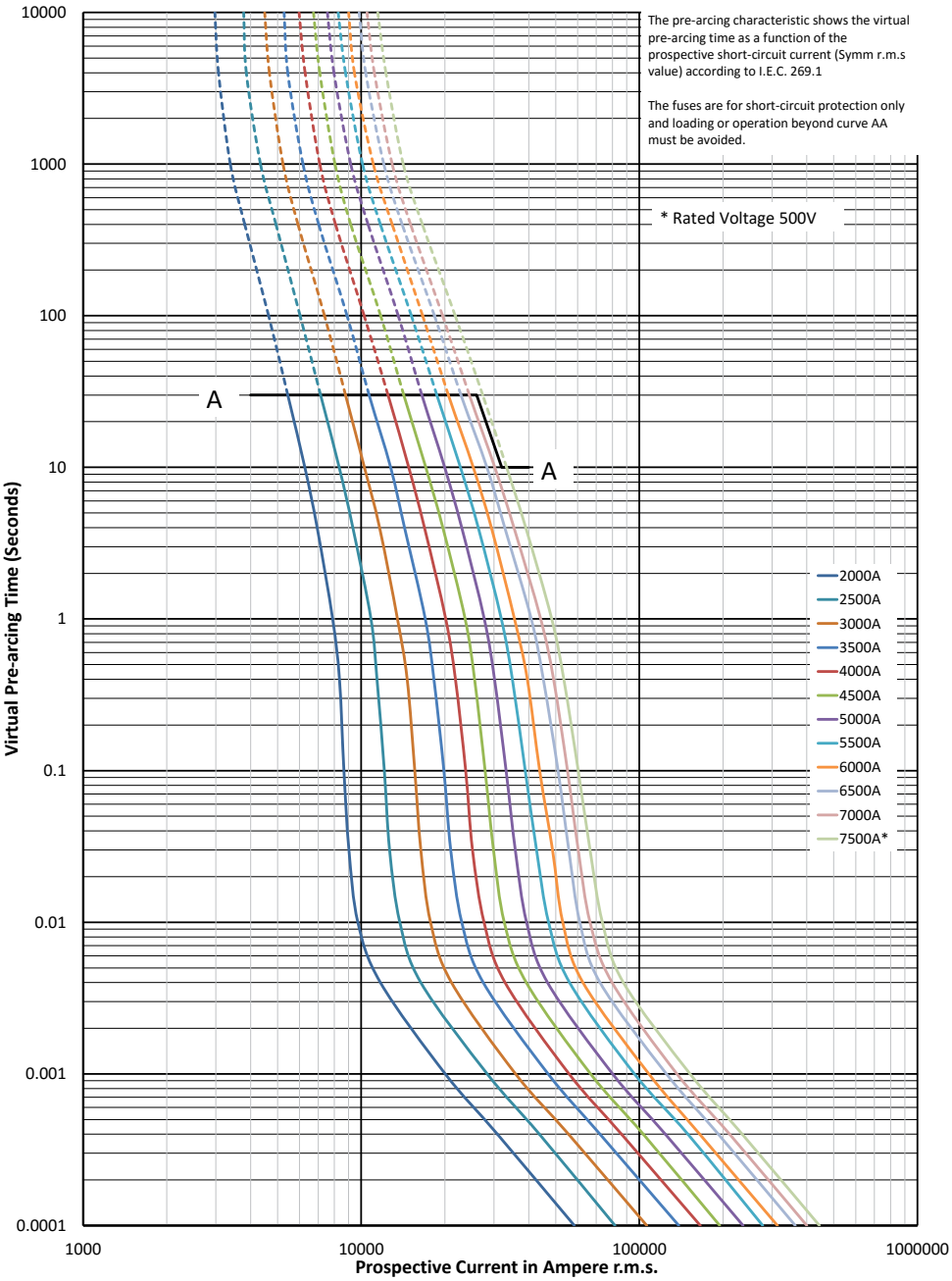
When using these fuse links, please consult Eaton for application assistance at bulehighspeedtechnical@eaton.com

Data sheet: 170K6332

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690 V a.c. (IEC), 700 V a.c. (UL) - 2000 A to 6500 A - Size 24 - Flush end contact - 170M

Time-current curve - 2000 A to 7500 A

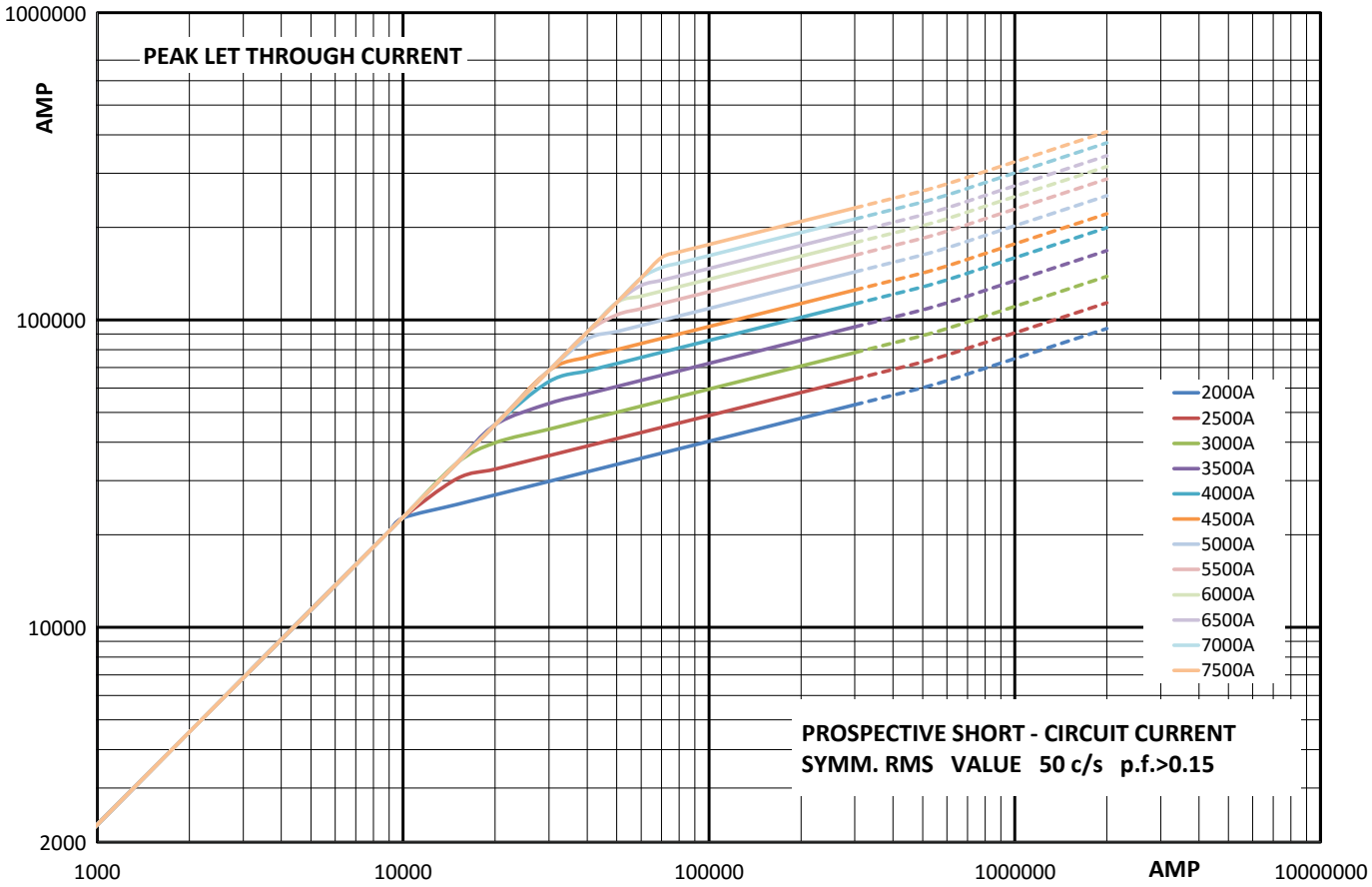


K_b = 1 N = 1.5

Downloaded from Arrow.com.

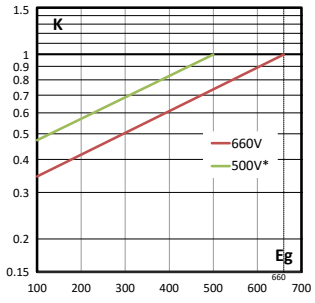
690 V a.c. (IEC), 700 V a.c. (UL) - 2000 A to 6500 A - Size 24 - Flush end contact - 170M

Cut-off curve - 2000 A to 7500 A



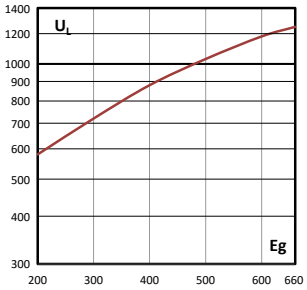
Total clearing I²t

The total clearing I²t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I²t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



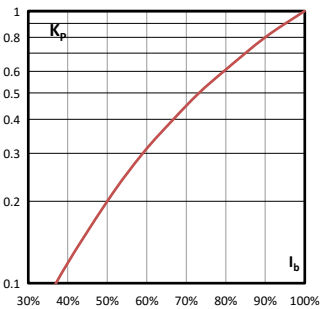
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.



Data sheet: 170K6332

Downloaded from Arrow.com.

1000 V a.c. (IEC and UL) - 2000 A to 5000 A - Size 24 - Flush end contact - 170M

Description

Square body, flush end contact, high speed fuse links, for the protection of power rectifiers.



Technical data

- Rated voltage: 1000 V a.c. (IEC and UL)
- Rated current: 2000 A to 5000 A
- Breaking capacity: 166 kA RMS Sym / 100 kA RMS (UL)
- Operating class: aR

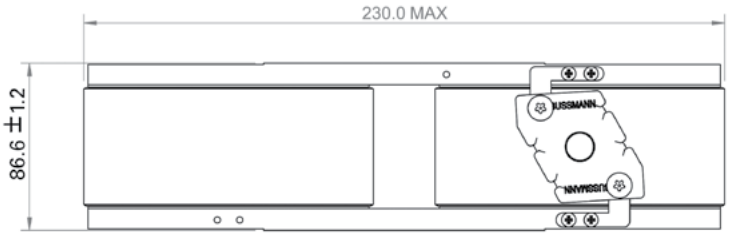
Standards / Agency information

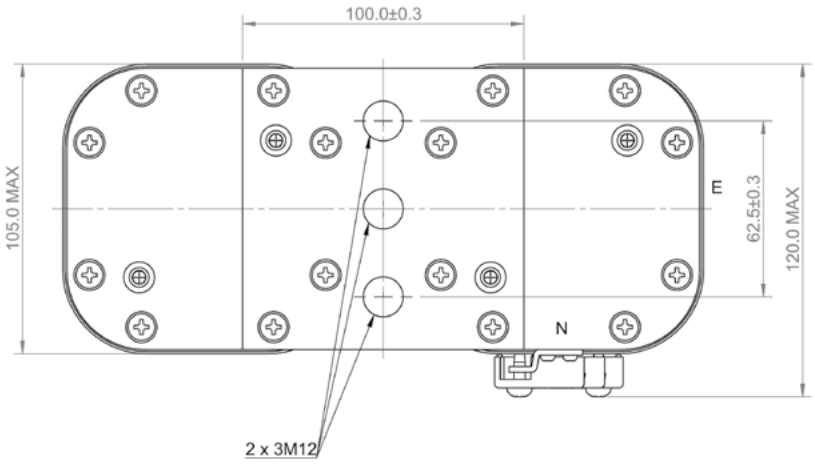
CE, Designed and tested to IEC 60269 Part 4, UL Recognised

Catalogue numbers

Fuse link body size	Rated voltage	Rated current (Amps)	I²t (A² Sec) Pre-arcing	I²t (A² Sec) Clearing at 1000 V a.c.	Watts loss (W)	Catalogue numbers -BKN/85 Type K indicator
24	1000 V a.c. (IEC & UL)	2000	900,000	5,350,000	345	170M7608
		3000	2,950,000	17,500,000	430	170M7680
		3200	3,300,000	20,000,000	440	170M7567
		3500	4,500,000	27,000,000	450	170M7568
		4000	6,800,000	40,000,000	475	170M7569
		4200	8,000,000	47,500,000	485	170M7498
		4500	10,000,000	59,000,000	495	170M7488
		5000	14,000,000	82,500,000	540	170M7622

Dimensions (mm)





The normal position of the indicator is as shown position N, position E on request only

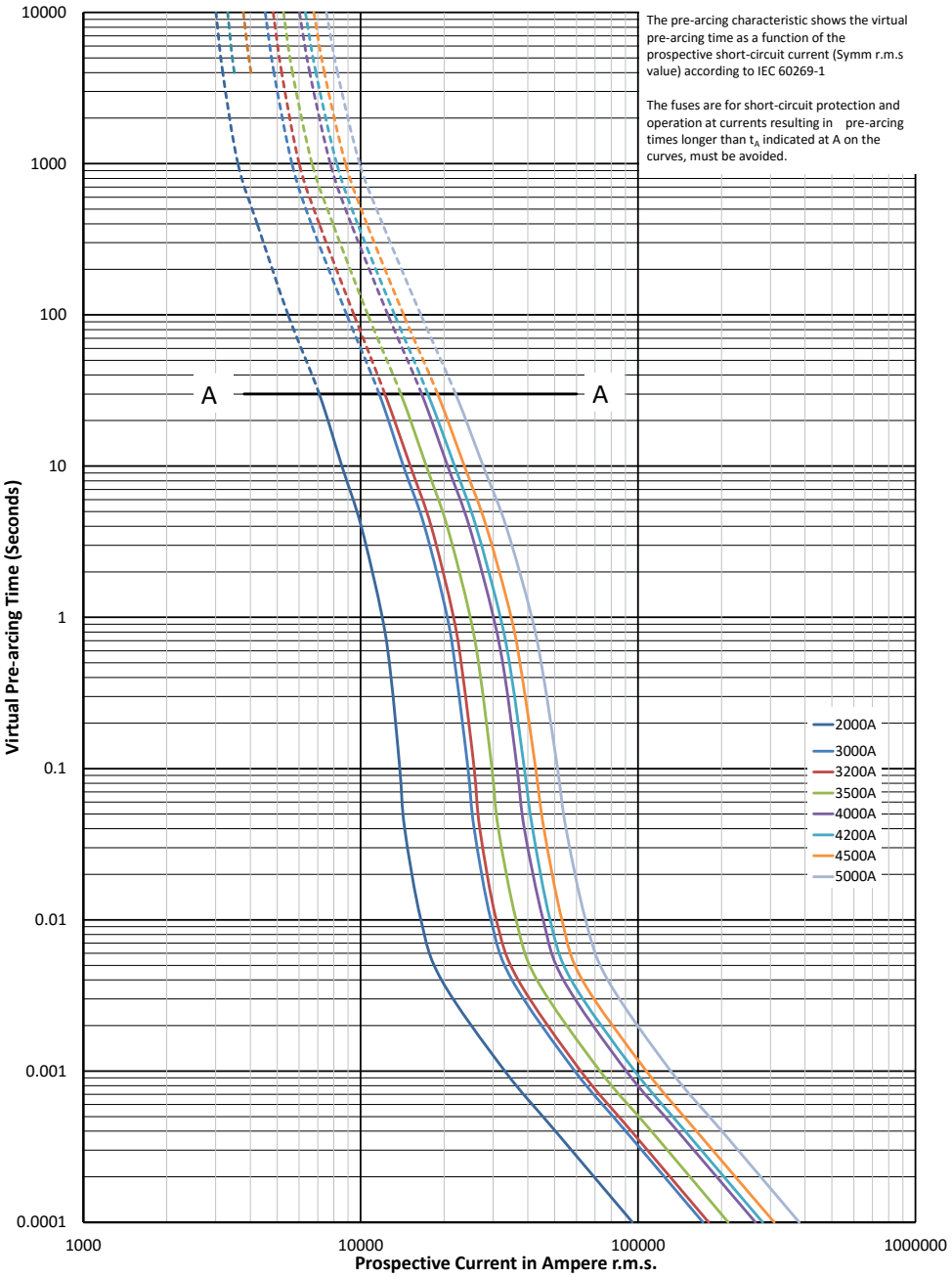
When using these fuse links, please consult Eaton for application assistance at bulehighspeedtechnical@eaton.com.

Data sheets: 170K8514

Downloaded from Arrow.com.

1000 V a.c. (IEC and UL) - 2000 A to 5000 A - Size 24 - Flush end contact - 170M

Time-current curve - 2000 A to 5000 A



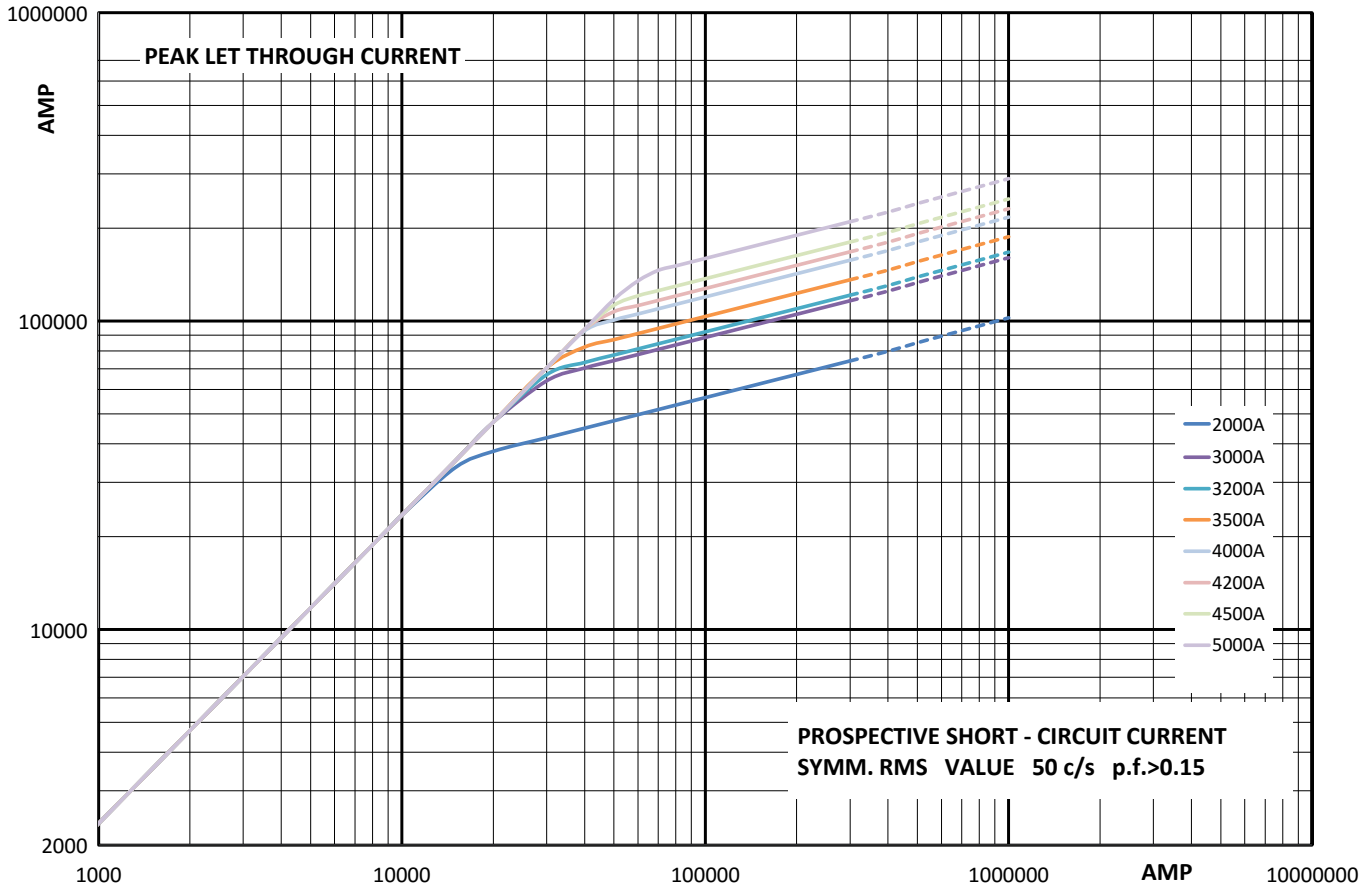
K_b = 1 N = 1.5

Data sheets: 170K8514

Downloaded from Arrow.com.

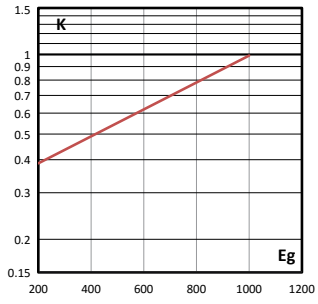
1000 V a.c. (IEC and UL) - 2000 A to 5000 A - Size 24 - Flush end contact - 170M

Cut-off curve - 2000 A to 5000 A



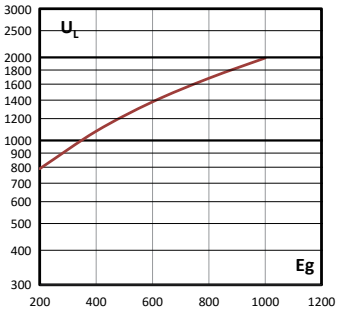
Total clearing I^2t

The total clearing I^2t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I^2t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



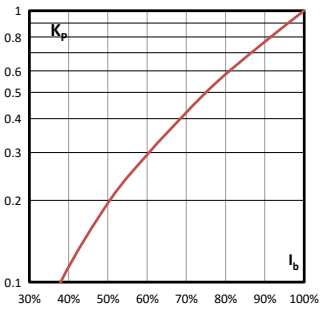
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.



Data sheets: 170K8514

Downloaded from Arrow.com.

1100-2000 V a.c. (IEC), 1800 A to 5500 A - Size 5 - Flush end contact - 170M

Description

Square body flush end contact high speed fuse links, for the protection or isolation for components such as diodes, silicon controlled rectifiers (SCRs), Gate Turn-Off Thrystors (GTOs) and IGBTs. Typical application include AC and DC drives, high power rectifiers.



Technical data

- Rated voltage: 1100-2000 V a.c. (IEC)
- Rated current: 1800 A to 5500 A
- Breaking capacity: 300 kA RMS Sym. estimated: 197 kA tested
- Operating class: aR

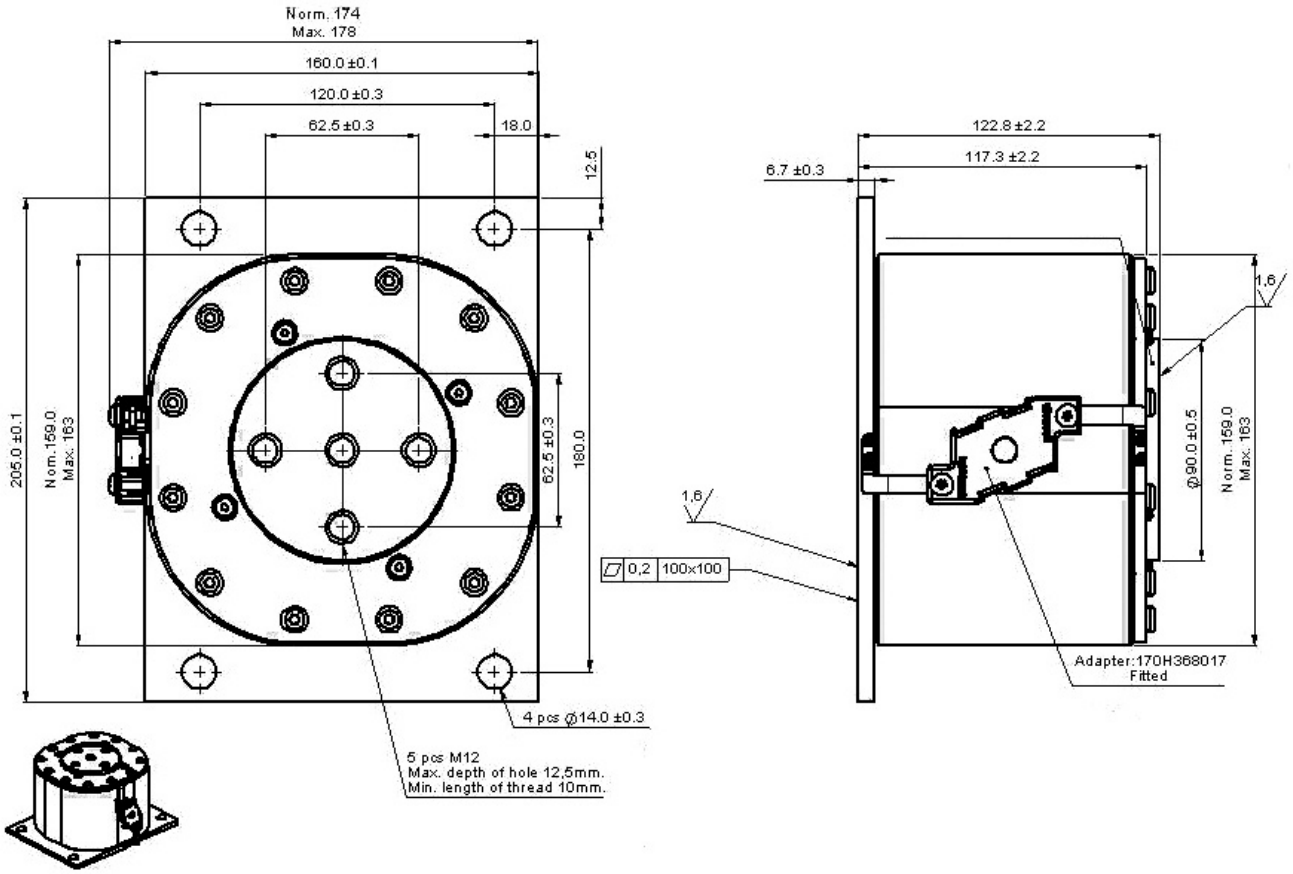
Standards / Agency information

Consult Eaton bulehighspeedtechnical@eaton.com

Catalogue Numbers

Consult Eaton bulehighspeedtechnical@eaton.com

Dimensions (mm)



This dimension drawing is an example of the range of size 5 fuse links available.

Downloaded from Arrow.com.

600 V a.c. / 450 V d.c. (UL) - 1 A to 600 A - DFJ Drive fuse links

Description

Bolted tags high speed fuse links that provide maximum protection for AC and DC drives and controllers. The DFJ fuse link has the lowest I2t of any branch circuit fuse to protect power semi-conductor devices that utilise diodes, GTOs, SCRs and SSRs. The DFJ fuse links combine the performance of high speed fuse links and the convenience of Class J branch circuit fuse links, allowing the use of readily available Class J fuse blocks, holders and switches.



Technical data

- Rated voltage: 600 V a.c. / 450 V d.c. (UL)
- Rated current: 1 A to 600 A
- Breaking capacity: 200 kA RMS Sym., 100 kA DC
- Operating class: aR

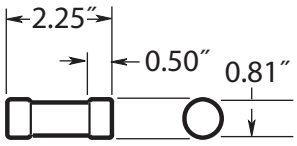
Standards / Agency information

UL Listed, Std 248-8, Class J, Guide JDDZ, File E4273 CSA Certified, C22-2 No 248.8, Class 1422-02, File 53787 meets NEC branch circuit protection.

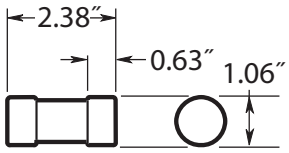
Catalogue numbers

Rated voltage	Rated current Amps)	Catalogue numbers
600 V a.c./ 450 V d.c. (UL)	1	DFJ-1
	2	DFJ-2
	3	DFJ-3
	4	DFJ-4
	5	DFJ-5
	6	DFJ-6
	8	DFJ-8
	10	DFJ-10
	12	DFJ-12
	15	DFJ-15
	20	DFJ-20
	25	DFJ-25
	30	DFJ-30
	40	DFJ-40
	45	DFJ-45
	50	DFJ-50
	60	DFJ-60
600 -700 V a.c./ 450 V d.c. (UL)	70	DFJ-70
	80	DFJ-80
	90	DFJ-90
	100	DFJ-100
600 V a.c./ 450 V d.c. (UL)	110	DFJ-110
	125	DFJ-125
	150	DFJ-150
	175	DFJ-175
	100	DFJ-100
	225	DFJ-225
	250	DFJ-250
	300	DFJ-300
	350	DFJ-350
	400	DFJ-400
	450	DFJ-450
	500	DFJ-500
	600	DFJ-600

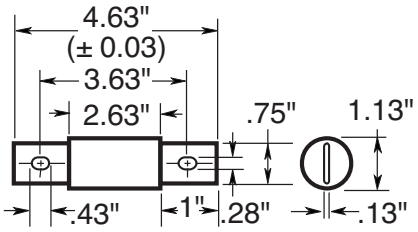
Dimensions (in)



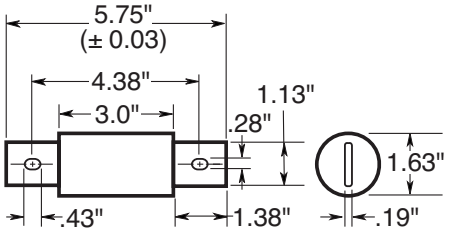
1 to 30 A



35 to 60 A



70 to 100 A



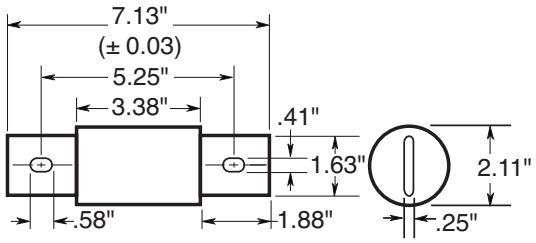
110 to 200 A

Data sheet: 1048

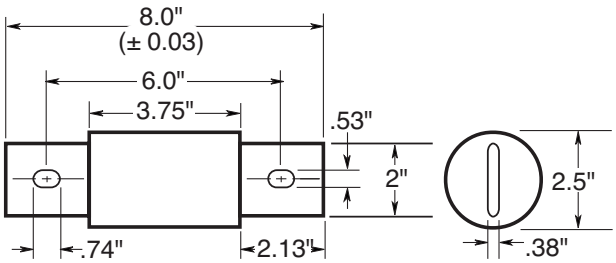
Downloaded from Arrow.com.

600 V a.c. / 450 V d.c. (UL) - 1 A to 600 A - DFJ Drive fuse links

Dimensions (in)

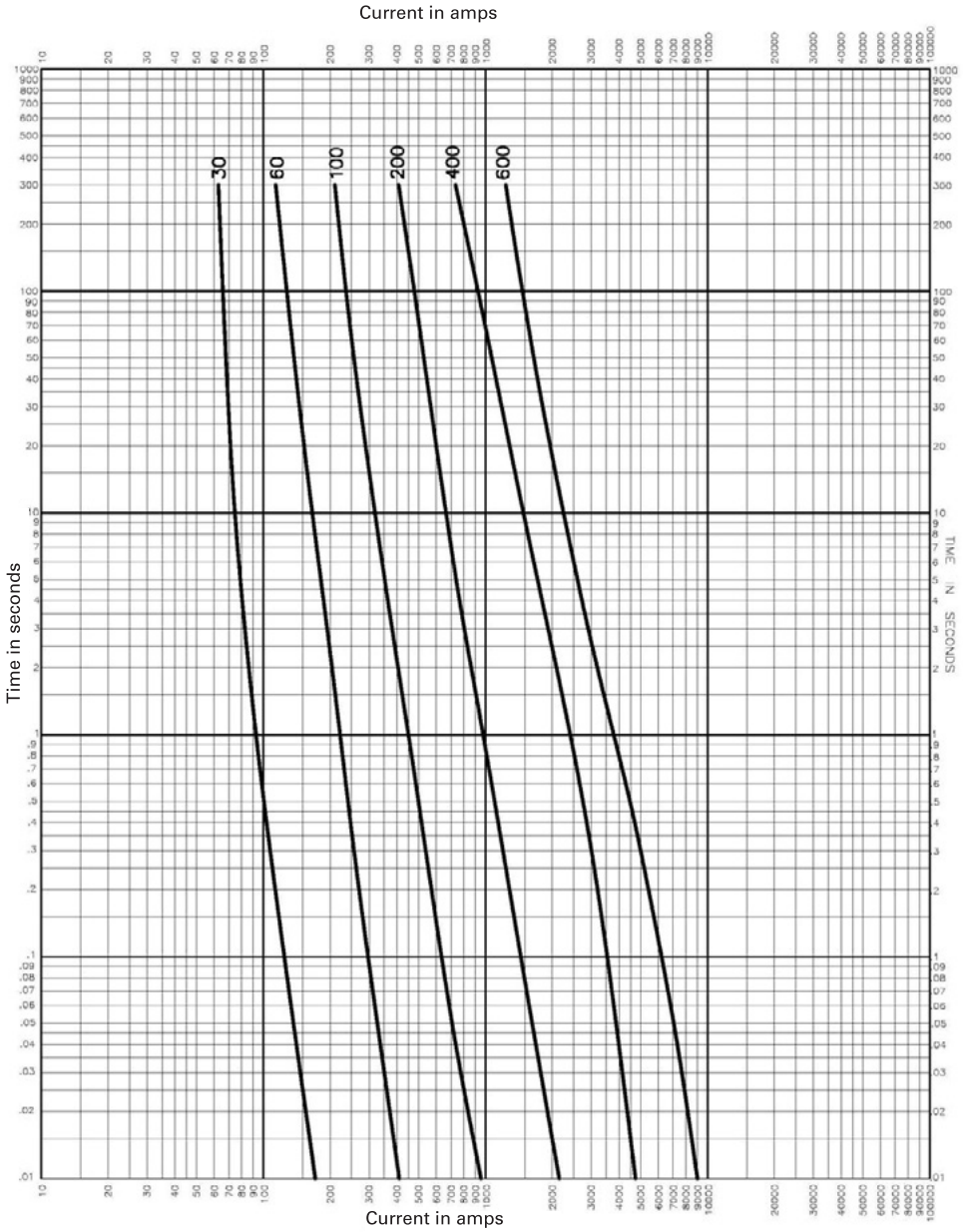


225 to 400 A



450 to 600 A

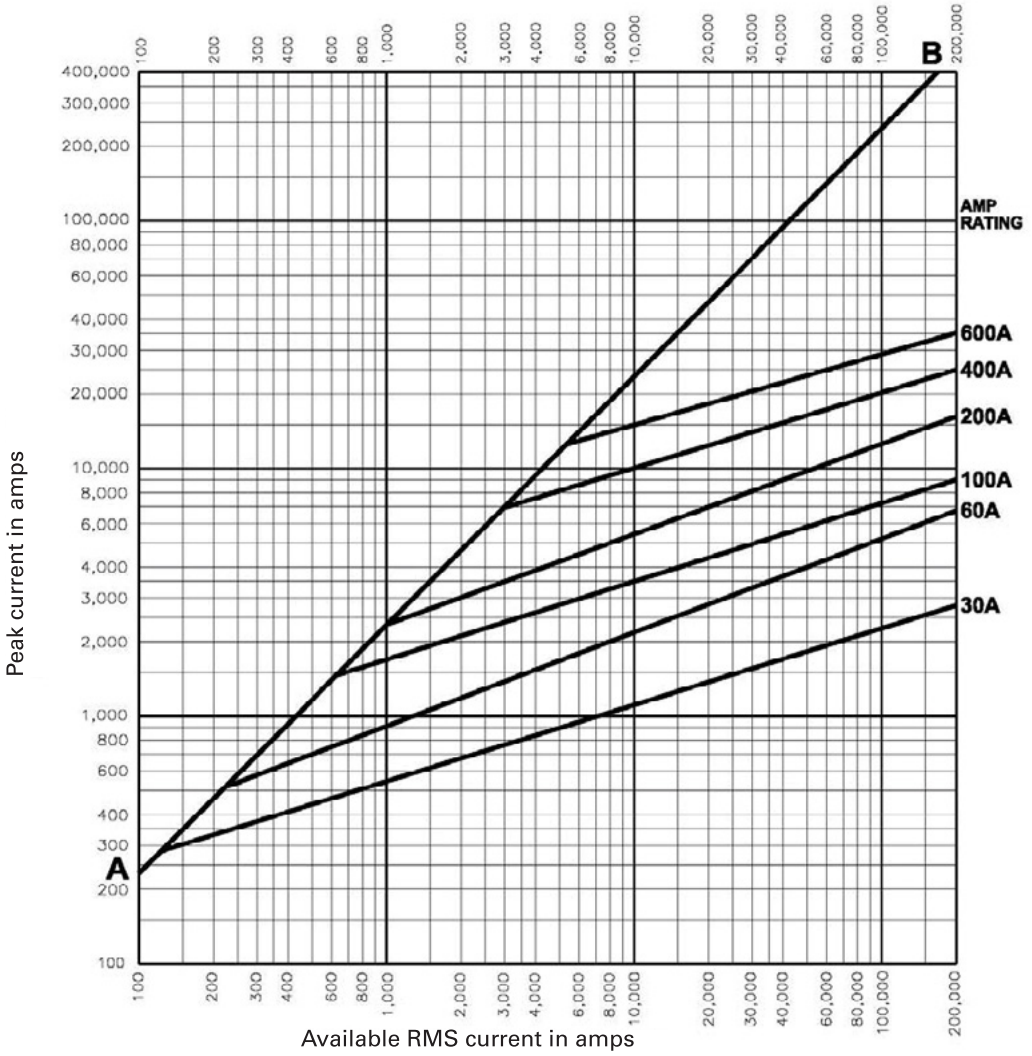
Time-current curve - 30 A to 600 A



Downloaded from Arrow.com.

600 V a.c. / 450 V d.c. (UL) - 1 A to 600 A - DFJ Drive fuse links

Cut-off curve - 30 A to 600 A



Data sheet: 1048

Downloaded from Arrow.com.

750 V d.c. (IEC), 800 V d.c. (UL) - 25 A to 630 A - Sizes 000 and 230 - IGBT fuse links - 170M

Description

Bolted tags high speed fuse links for the protection of IGBT modules, optimised for use in IGBT inverter circuits with DC link rated voltages up to 750 V d.c.. Low inductance ≤ 15nH.



Technical data

- Rated voltage:
  - 750 V d.c. tested at 863V d.c. according to IEC 60269-4
  - 800 V d.c. tested at 800 V d.c. according to UL 248-1
- Rated current: 25 A to 630 A
- Breaking capacity: 50 kA DC (1ms tc) at 800 V d.c.
- Operating class: aR

Standards / Agency information

UL DC Recognised, 800 V d.c. L/R 1 mS max

Catalogue numbers

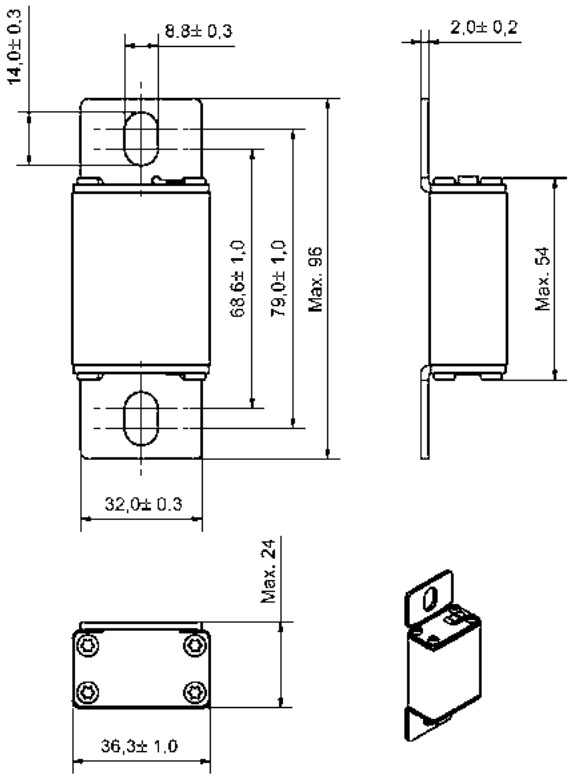
Fuse link body size	Rated voltage	Rated current (Amps)	I^2t (A^2 Sec) Pre-arcing	Watts loss (W)	Catalogue numbers -FU/70	-FN/70
000	750 V d.c. (IEC) 800 V d.c. (UL)	25	25	12	170M1750	170M1730
		32	45	13	170M1751	170M1731
		40	75	14	170M1752	170M1732
		50	135	16	170M1753	170M1733
		63	260	17	170M1754	170M1734
		80	460	20	170M1755	170M1735
		100	795	25	170M1756	170M1736
		125	1300	29	170M1757	170M1737
		160	2550	34	170M1758	170M1738
		200	4350	40	170M1759	170M1739
		250	7400	48	170M1760	170M1740
		315	12,500	60	170M1761	170M1741
		350	17,000	65	170M1762	170M1742
230	750 V d.c. (IEC) 800 V d.c. (UL)	100	380	35	170M1770	170M1785
		125	645	42	170M1771	170M1786
		160	1350	47	170M1772	170M1787
		200	2550	54	170M1773	170M1788
		250	4950	62	170M1774	170M1789
		315	9350	72	170M1775	170M1790
		350	12,000	78	170M1776	170M1791
		400	18,500	80	170M1777	170M1792
		450	27,000	85	170M1778	170M1793
		500	37,500	90	170M1779	170M1794
		550	48,500	95	170M1780	170M1795
		630	69,500	105	170M1781	170M1796

Data sheets: 170K6422 (Size 000), 170K6426 (Size 230)

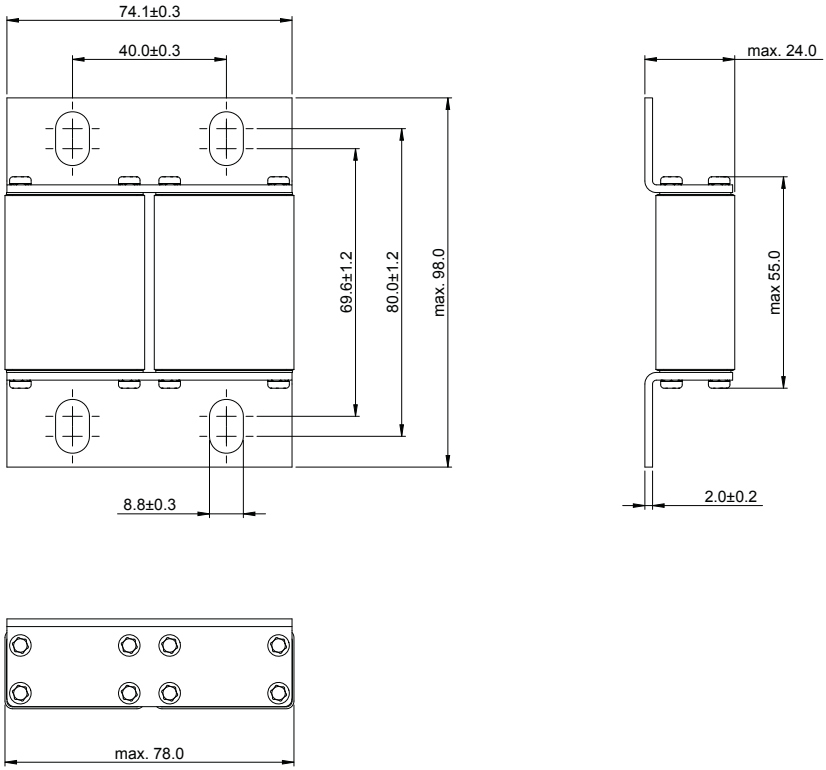
Downloaded from Arrow.com.

750 V d.c. (IEC), 800 V d.c. (UL) - 25 A to 630 A - Sizes 000 and 230 - IGBT fuse links - 170M

Dimensions (mm) - Size 000



Dimensions (mm) - Size 230

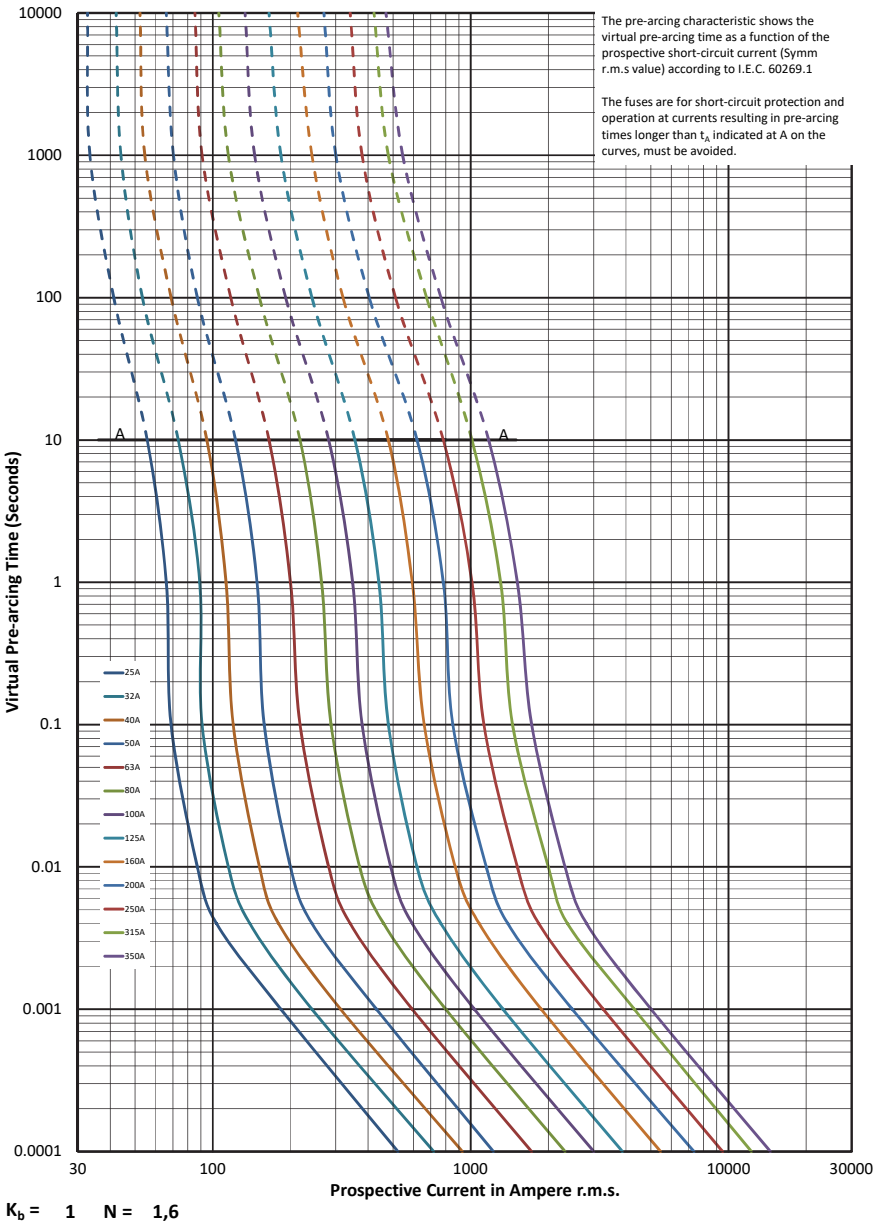


Data sheets: 170K6422 (Size 000), 170K6426 (Size 230)

Downloaded from Arrow.com.

750 V d.c. (IEC), 800 V d.c. (UL) - 25 A to 630 A - Sizes 000 and 230 - IGBT fuse links - 170M

Time-current curve - Size 000, 25 A to 350 A



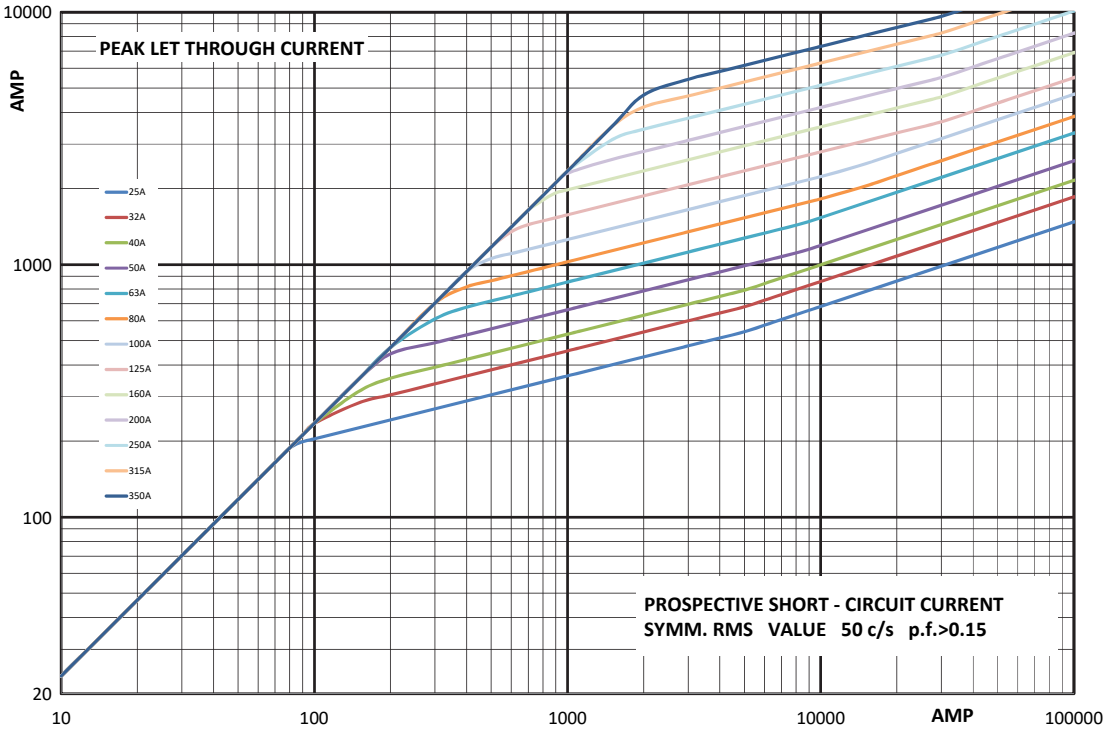
K_b = 1 N = 1,6

Data sheets: 170K6422 (Size 000), 170K6426 (Size 230)

Downloaded from Arrow.com.

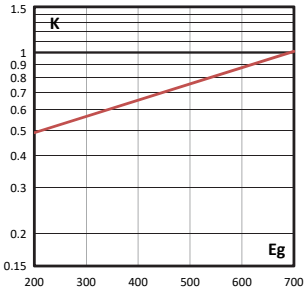
750 V d.c. (IEC), 800 V d.c. (UL) - 25 A to 630 A - Sizes 000 and 230 - IGBT fuse links - 170M

Cut-off curve - Size 000, 25 A to 350 A



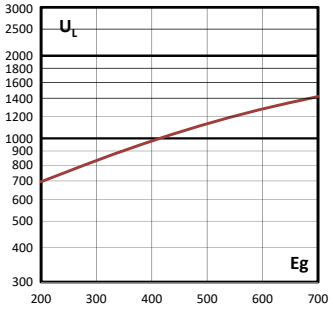
Total clearing I²t

The total clearing I²t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I²t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



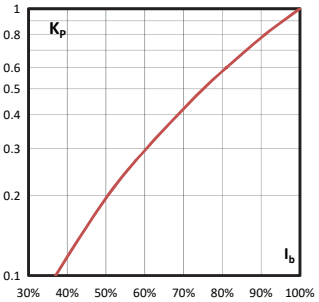
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.

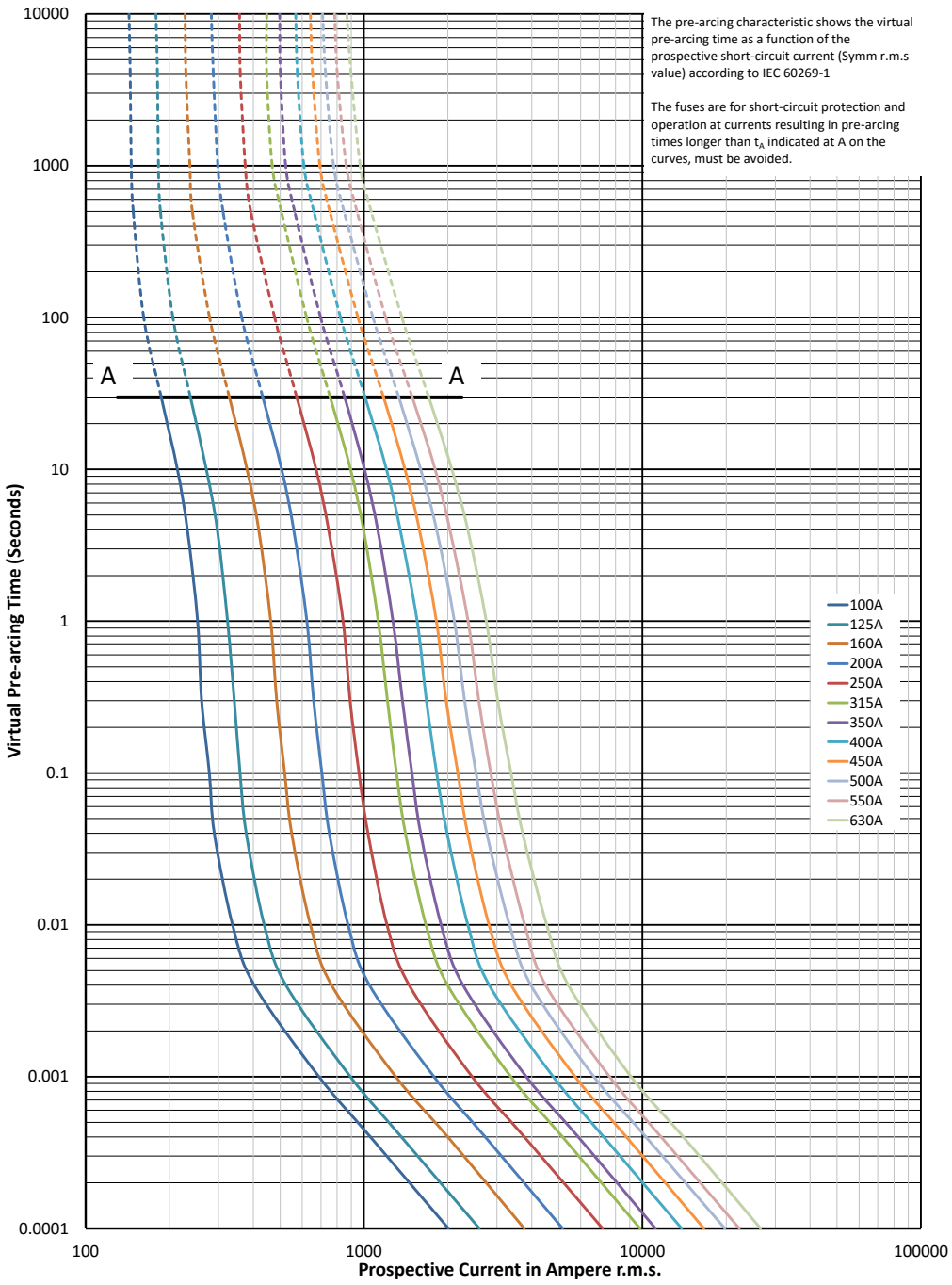


Data sheets: 170K6422 (Size 000), 170K6426 (Size 230)

Downloaded from Arrow.com.

750 V d.c. (IEC), 800 V d.c. (UL) - 25 A to 630 A - Sizes 000 and 230 - IGBT fuse links - 170M

Time-current curve - Size 230, 100 A to 630 A



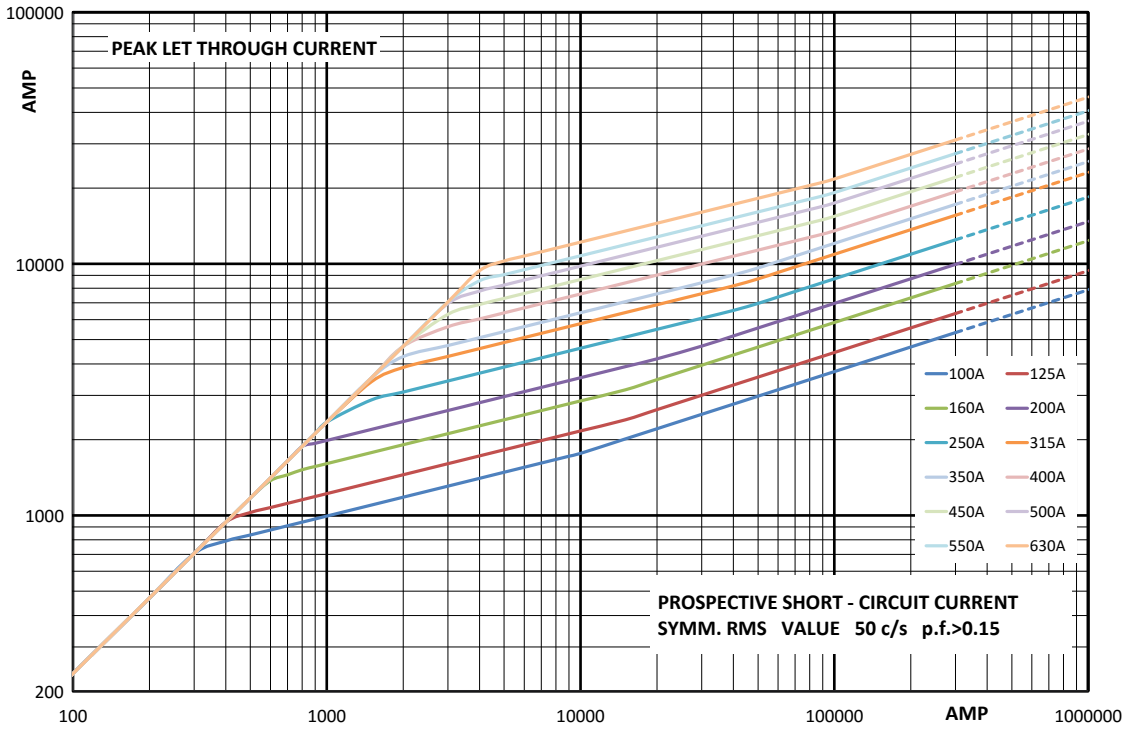
K_b = 1 1.6

Data sheets: 170K6422 (Size 000), 170K6426 (Size 230)

Downloaded from Arrow.com.

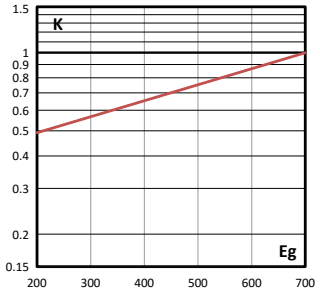
750 V d.c. (IEC), 800 V d.c. (UL) - 25 A to 630 A - Sizes 000 and 230 - IGBT fuse links - 170M

Cut-off curve - Size 230, 100 A to 630 A



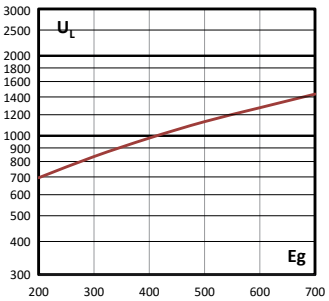
Total clearing I²t

The total clearing I²t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I²t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



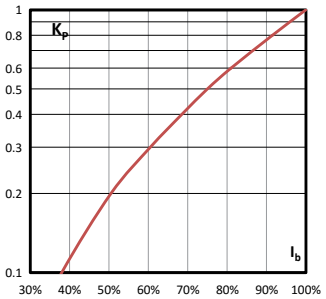
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.



Data sheets: 170K6422 (Size 000), 170K6426 (Size 230)

Downloaded from Arrow.com.

1000 V d.c. (IEC and UL) - 25 A to 500 A - Sizes 000 and 230 - IGBT fuse links - 170M

Description

High speed bolted tags high speed fuse links for the protection of IGBT modules, optimised for use in IGBT inverter circuits with DC link rated voltages up to 1000 V d.c.. Low inductance ≤ 20nH.



Technical data

- Rated voltage: 1000 V d.c. tested at 1000 V d.c. according to UL 248-1
- Rated current: 25 A to 500 A
- Breaking capacity: 50 kA DC (1ms tc UL)
- Operating class: aR

Standards / Agency information

UL DC Recognised, 1000 V d.c. L/R 1mS max.

CE

Catalogue numbers

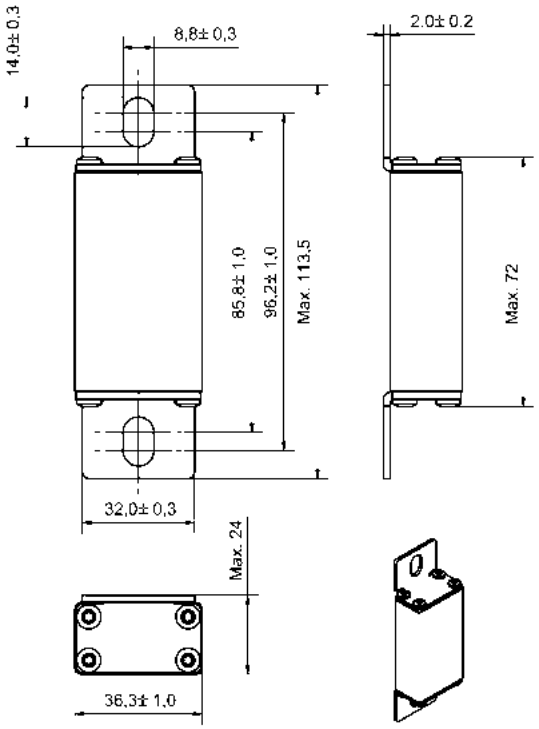
Fuse link body size	Rated voltage	Rated current (Amps)	I^2t (A^2 Sec) Pre-arcing	Watts loss (W)	Catalogue numbers -FU/90	-FN/90
000	1000 V d.c. (UL)	25	19	14	170M1802	170M1842
		32	34	17	170M1803	170M1843
		40	61	20	170M1804	170M1844
		50	135	21	170M1805	170M1845
		63	245	22	170M1806	170M1846
		80	505	27	170M1807	170M1847
		100	1050	32	170M1808	170M1848
		125	1900	34	170M1809	170M1849
		160	4050	37	170M1810	170M1850
		200	8500	43	170M1811	170M1851
		225	12,000	45	170M1812	170M1852
		250	16,000	48	170M1813	170M1853
230	1000 V d.c. (UL)	100	600	38	170M1824	170M1860
		125	1200	42	170M1825	170M1861
		160	2550	48	170M1826	170M1862
		200	4650	55	170M1827	170M1863
		250	9300	62	170M1828	170M1864
		315	18,500	68	170M1829	170M1865
		350	24,500	75	170M1830	170M1866
		400	37,500	80	170M1831	170M1867
		450	52,000	85	170M1832	170M1868
		500	69,500	90	170M1833	170M1869

Data sheets: 170K6680 (Size 000), 170K6682 (Size 230)

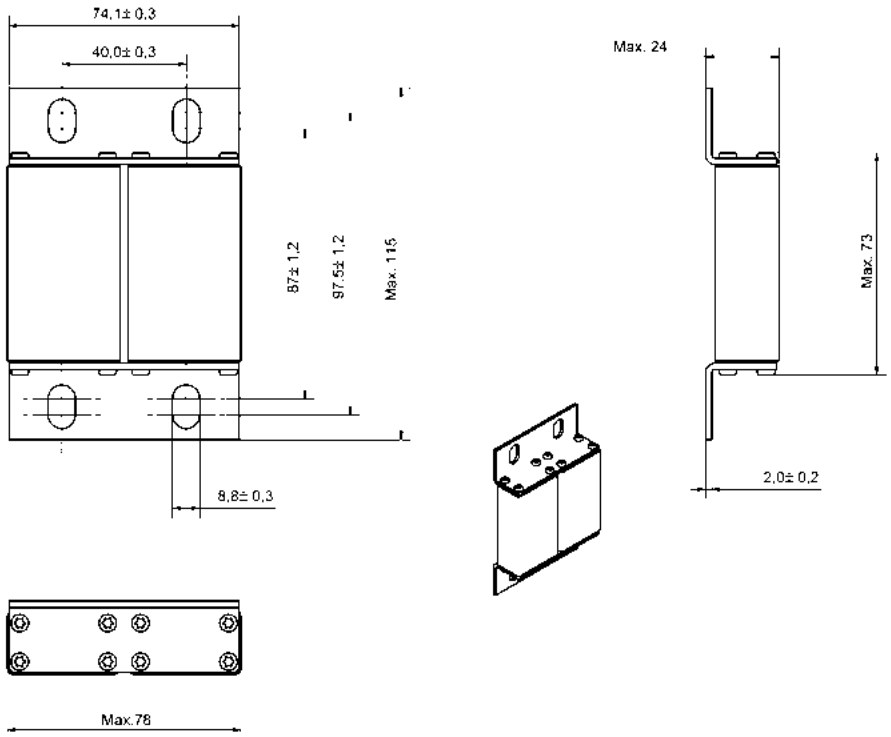
Downloaded from Arrow.com.

1000 V d.c. (IEC and UL) - 25 A to 500 A - Sizes 000 and 230 - IGBT fuse links - 170M

Dimensions (mm) - Size 000



Dimensions (mm) - Size 230

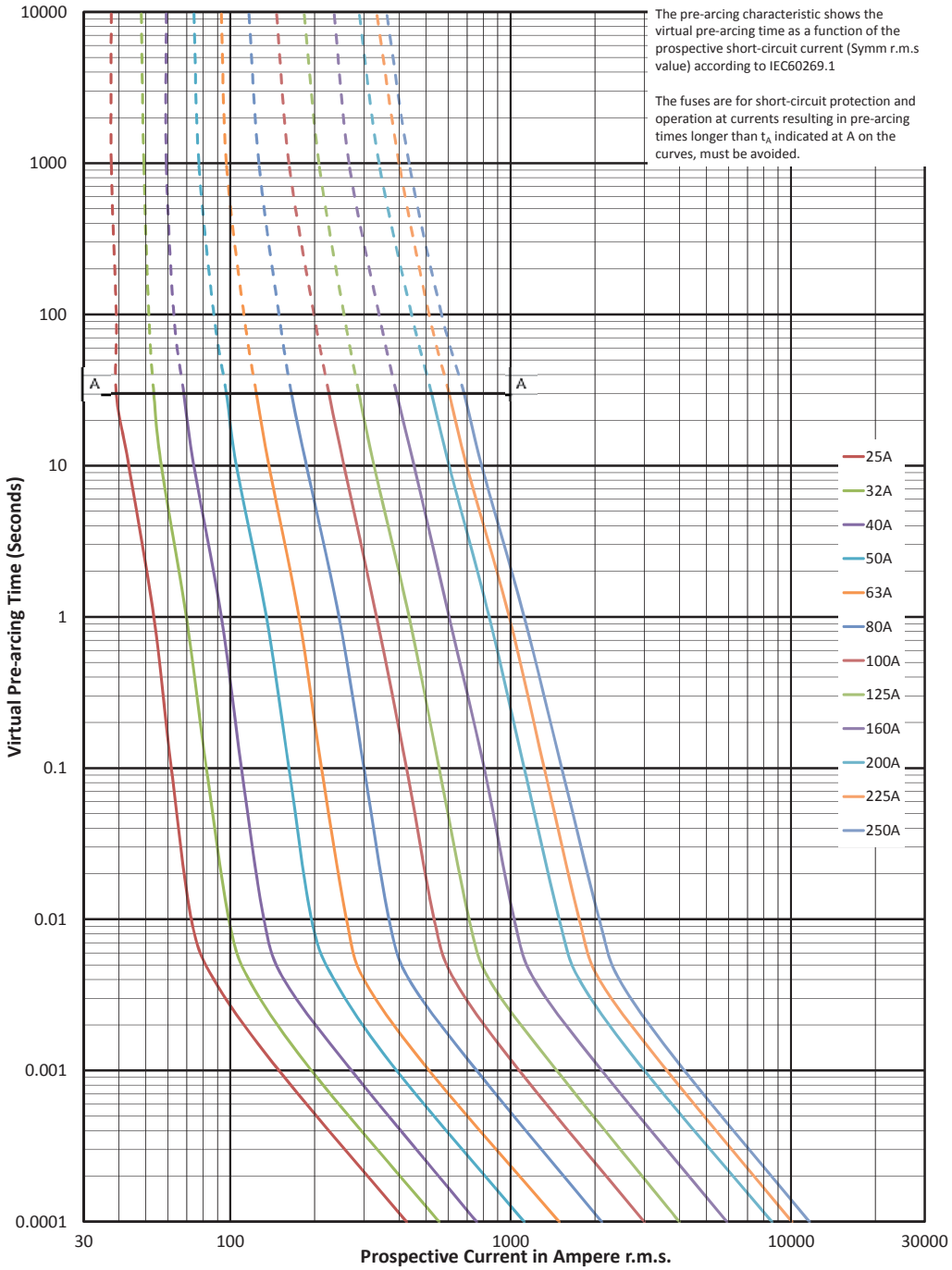


Data sheets: 170K6680 (Size 000), 170K6682 (Size 230)

Downloaded from Arrow.com.

1000 V d.c. (IEC and UL) - 25 A to 500 A - Sizes 000 and 230 - IGBT fuse links - 170M

Time-current curve - Size 000, 25 A to 250 A

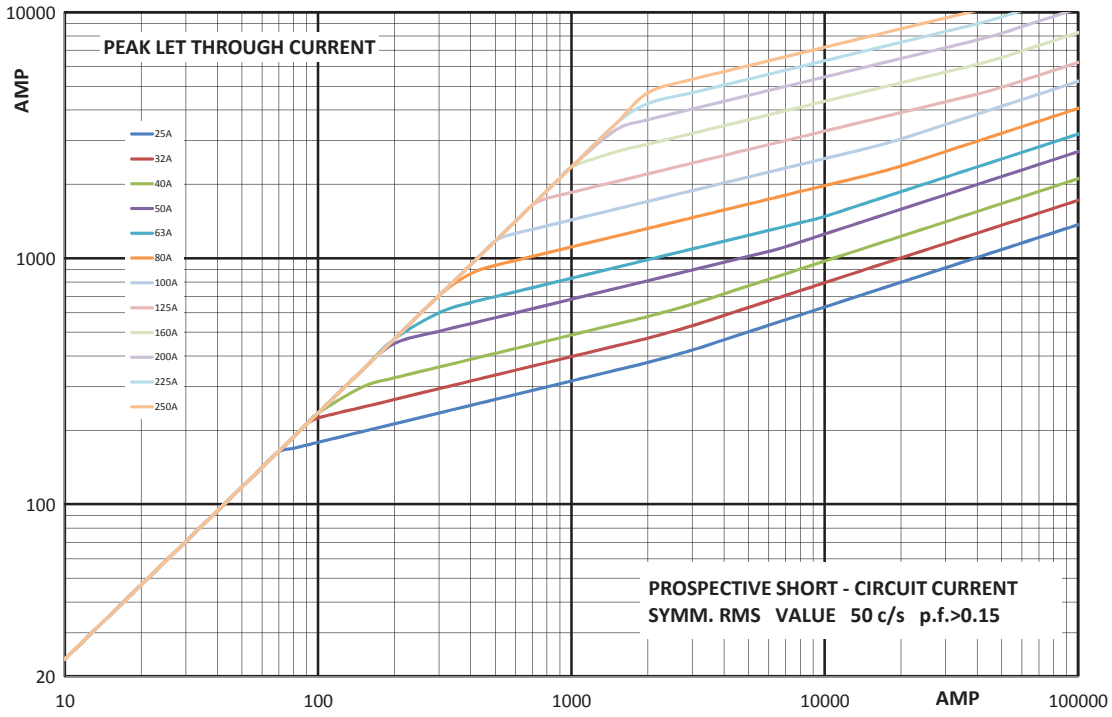


Data sheets: 170K6680 (Size 000), 170K6682 (Size 230)

Downloaded from Arrow.com.

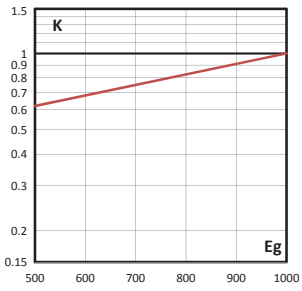
1000 V d.c. (IEC and UL) - 25 A to 500 A - Sizes 000 and 230 - IGBT fuse links - 170M

Cut-off curve - Size 000, 25 A to 250 A



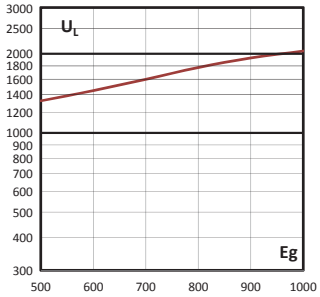
Total clearing I^2t

The total clearing I^2t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I^2t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



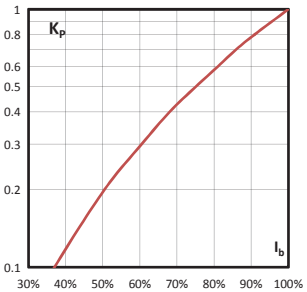
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.

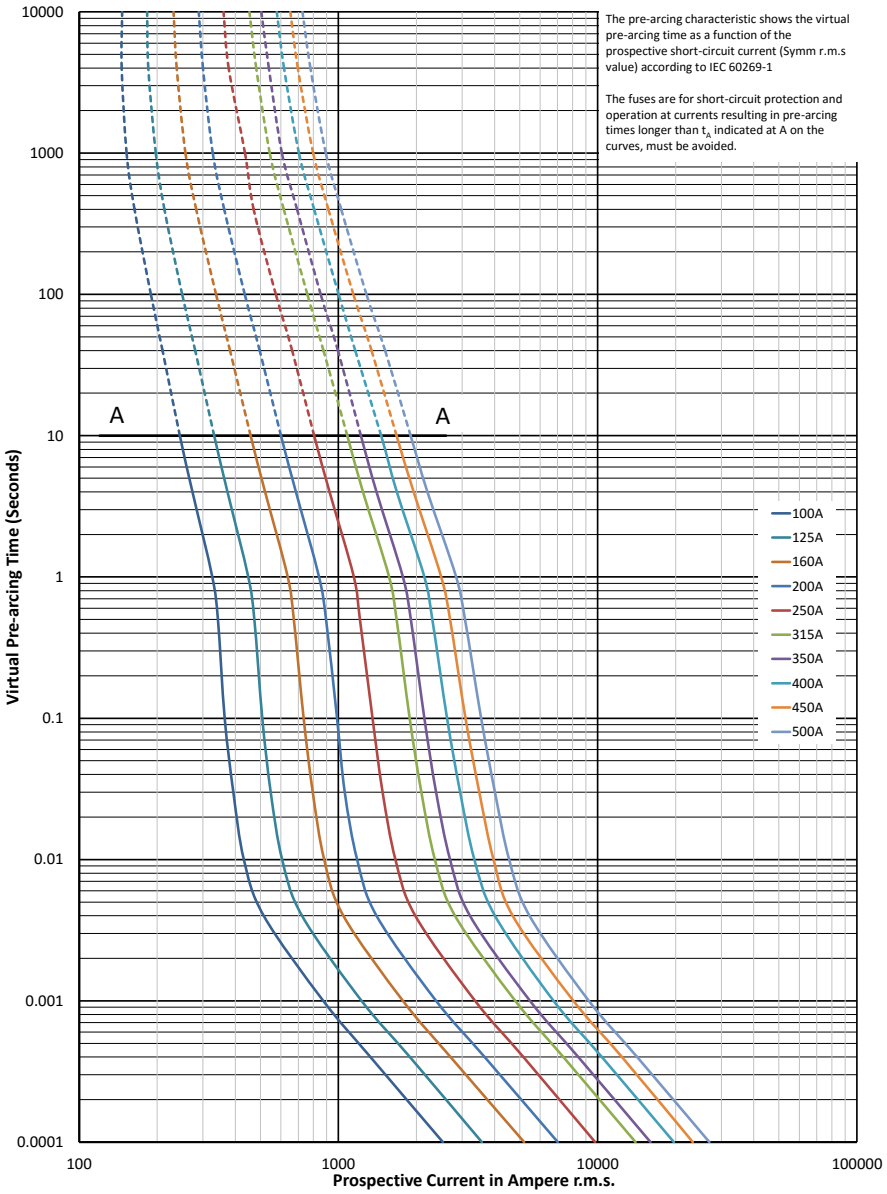


Data sheets: 170K6680 (Size 000), 170K6682 (Size 230)

Downloaded from Arrow.com.

1000 V d.c. (IEC and UL) - 25 A to 500 A - Sizes 000 and 230 - IGBT fuse links - 170M

Time-current curve - Size 230, 100 A to 500 A

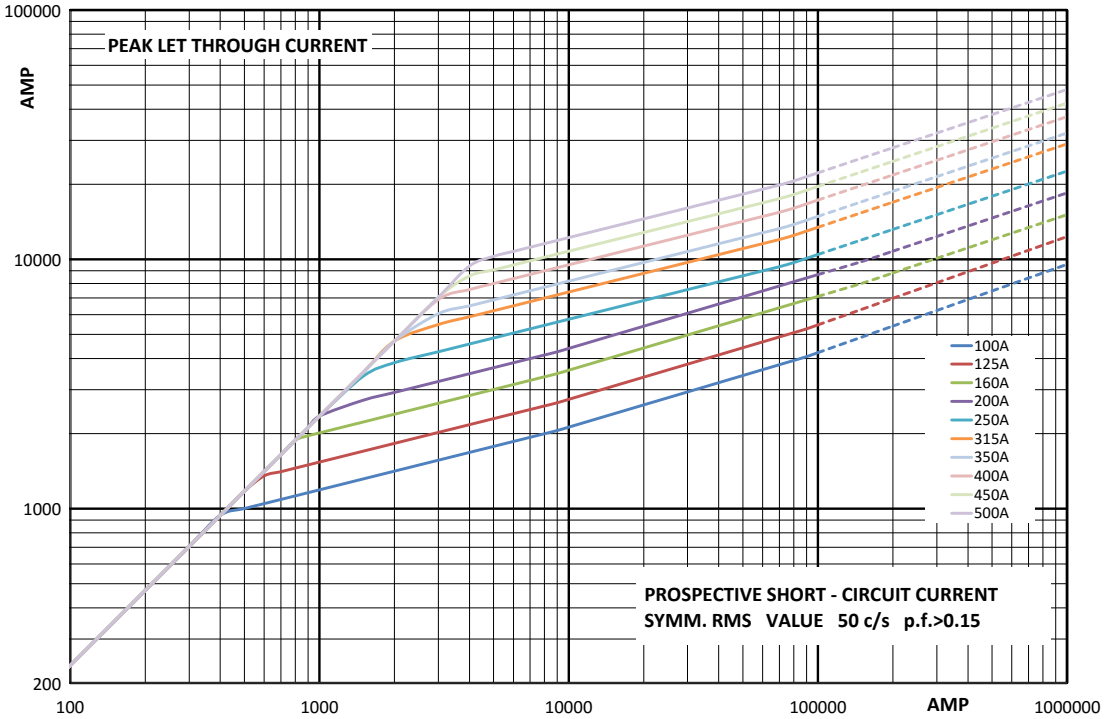


Data sheets: 170K6680 (Size 000), 170K6682 (Size 230)

Downloaded from Arrow.com.

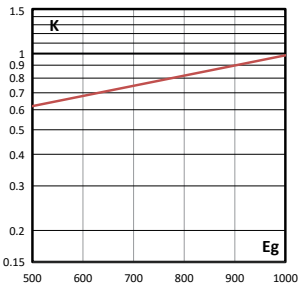
1000 V d.c. (IEC and UL) - 25 A to 500 A - Sizes 000 and 230 - IGBT fuse links - 170M

Cut-off curve - Size 230, 100 A to 500 A



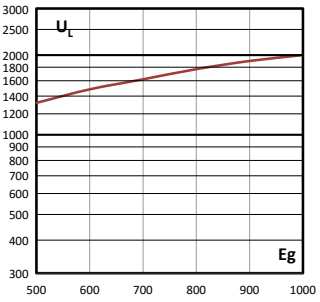
Total clearing I^2t

The total clearing I^2t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I^2t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



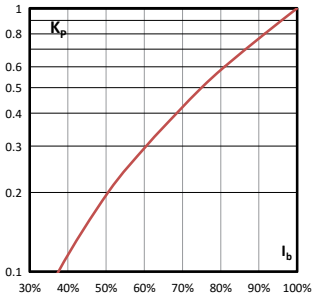
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.



Data sheets: 170K6680 (Size 000), 170K6682 (Size 230)

Downloaded from Arrow.com.

750 V d.c. (IEC) - 50 A to 1600 A - Sizes 1*, 3 and 23 - Square body fuse links - 170M

Description

Traction flush end square body high speed fuse links for superior protection of DC third rail applications up to 750 V d.c.



Technical data

- Rated voltage: 750 V d.c. (IEC)
- Rated current: 50 A to 1600 A
- Breaking capacity: see details in table below
- Operating class:
  - aR size 1*
  - gR: size 1* (at 900 V d.c.), 3 and 23

Standards / Agency information

IEC 60269

Catalogue numbers

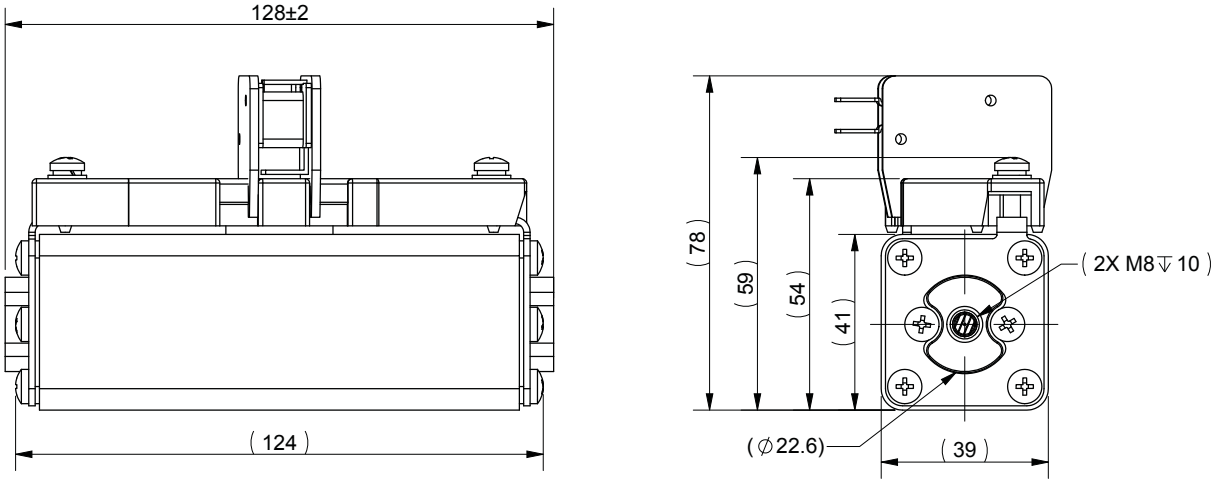
Fuse link type	Fuse link body size	Rated voltage	Rated current (Amps)	Breaking capacity	I^2t (A^2 Sec) Pre-arcing	I^2t (A^2 Sec) Clearing at 750 V d.c.	Watts loss (W) 0.8 I_n	Watts loss (W) I_n	Catalogue numbers
Flush end	1*	750 V d.c. / 900 V d.c. (IEC)	50	80 kA at 750 V d.c. L/R 65 ms 80 kA at 900 V d.c. L/R 45ms	390	1300	15	27	170M2000
			63		610	2050	18	35	170M2001
			80		670	2250	19	37	170M2002
			100		2450	8150	21	40	170M2003
			125		2950	9800	24	47	170M2004
			160		5500	18,250	29	56	170M2005
Flush end	3	750 V d.c. (IEC)	450	100 kA at 700 V d.c. L/R 100 ms	65,700	272,300	46	87	170M2010
			500		83,200	344,800	52	98	170M2011
			550		136,700	566,500	67	126	170M2012
			630		173,500	719,000	75	142	170M2013
			700		268,000	1,110,500	78	156	170M2014
			750		307,600	1,275,000	83	167	170M2015
			800		349,900	1,450,000	89	178	170M2016
Parallel	23	800 V d.c. (IEC/ UL)	1000	100 kA at 800 V d.c., L/R 40 ms	476,300	1,973,700	112	187	170M2017
			1250		694,000	2,875,800	134	224	170M2018
			1400		1,071,600	4,440,500	152	254	170M2019
			1500		1,230,200	5,097,700	165	275	170M2020
			1600		1,399,700	5,800,100	180	300	170M2021

Data sheets: 720140, size 1* 5785524, 3 5785521, 23 5785525

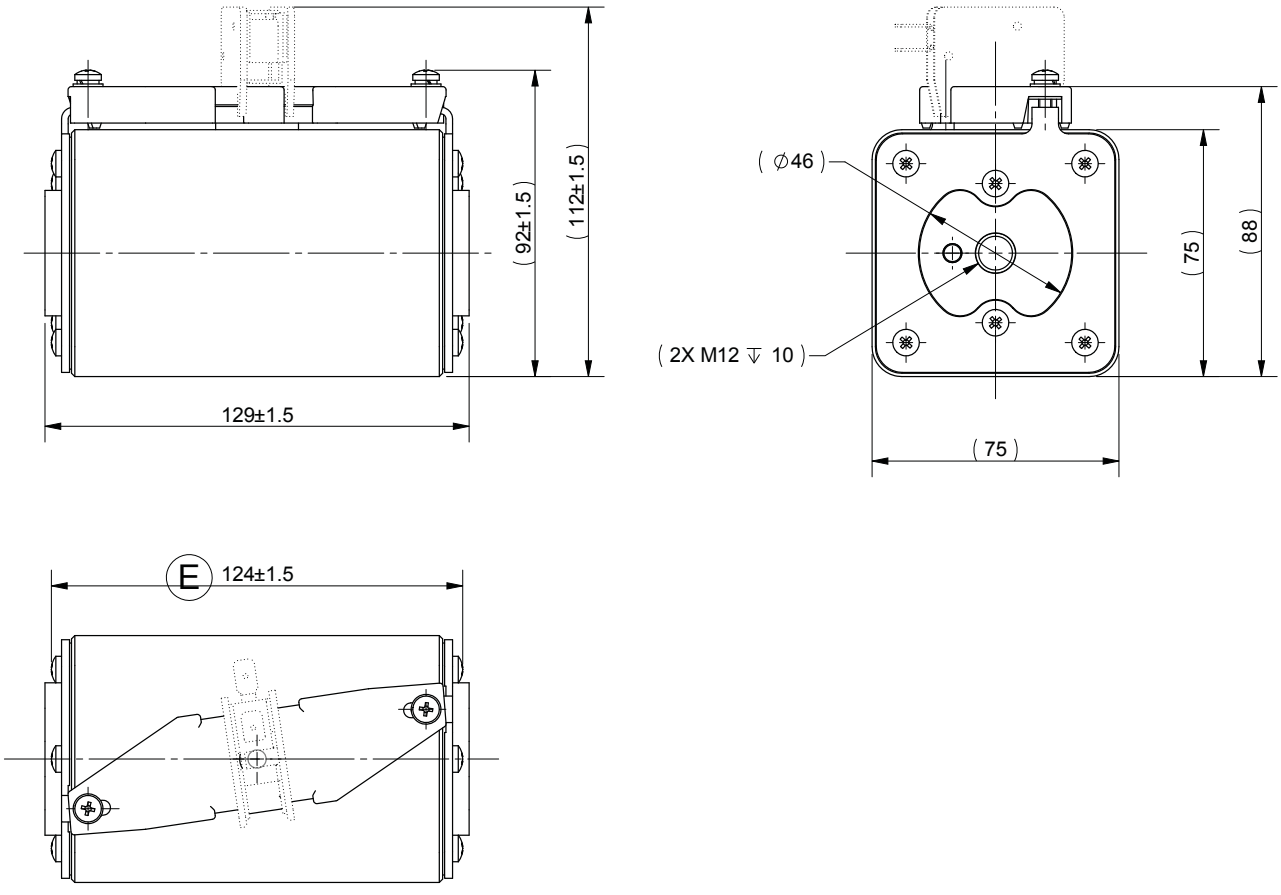
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750 V d.c. (IEC) - 50 A to 1600 A - Sizes 1*, 3 and 23 - Square body fuse links - 170M

Dimensions (mm) - Size 1*, 170M2000 to 170M2005, Flush end



Dimensions (mm) - Size 3, 170M2010 to 170M2016, Flush end

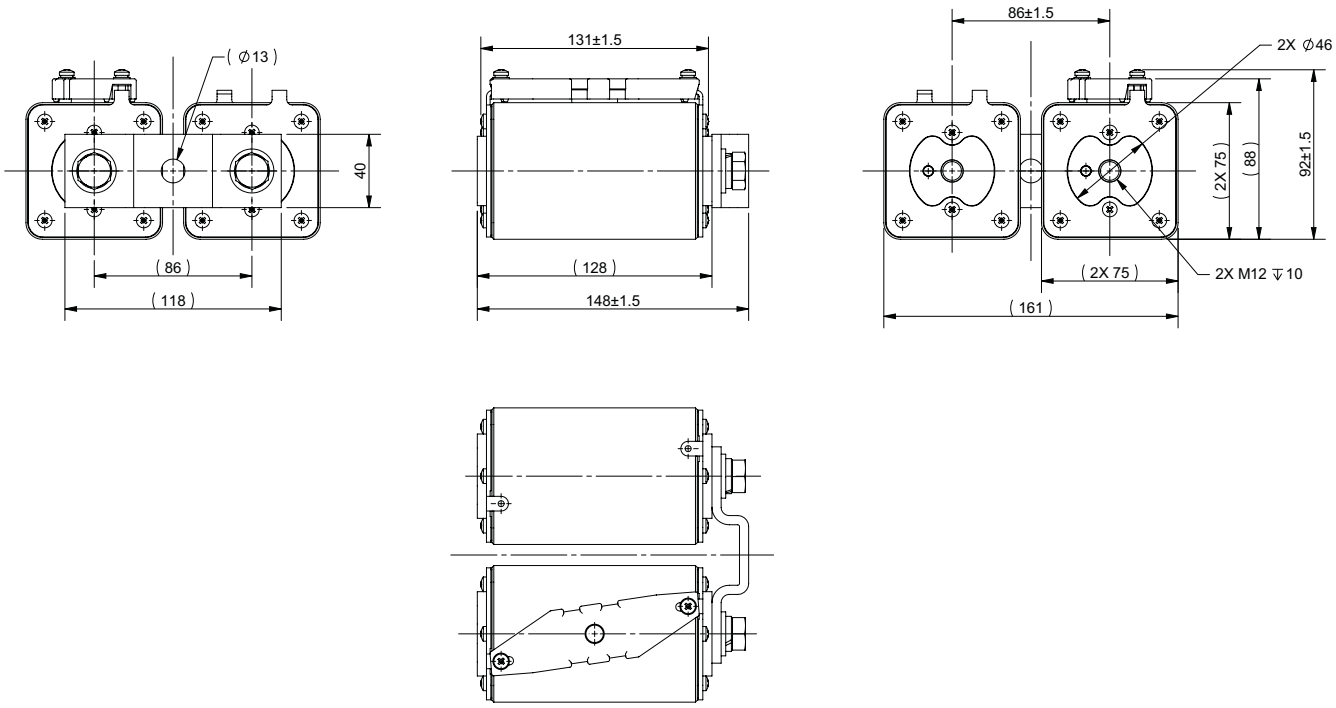


Data sheets: 720140, size 1* 5785524, 3 5785521, 23 5785525

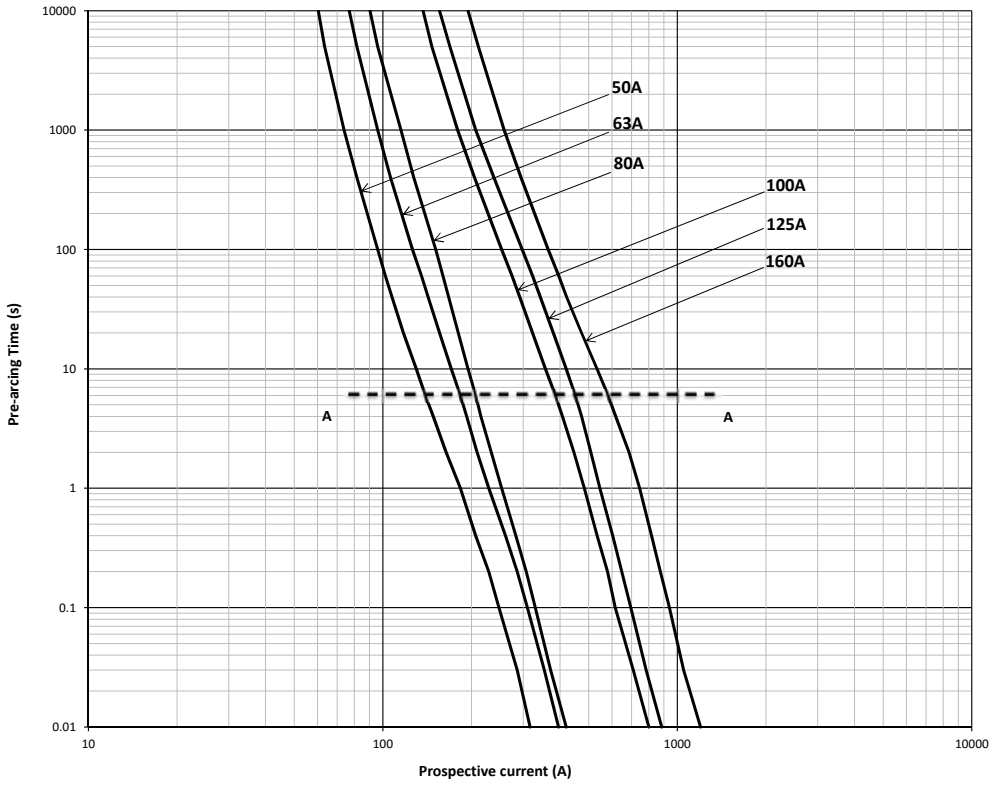
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750 V d.c. (IEC) - 50 A to 1600 A - Sizes 1*, 3 and 23 - Square body fuse links - 170M

Dimensions (mm) - Size 23, 170M2017 to 170M2021, Parallel



Time-current curve - 170M2000 to 170M2005, 50 A to 160 A

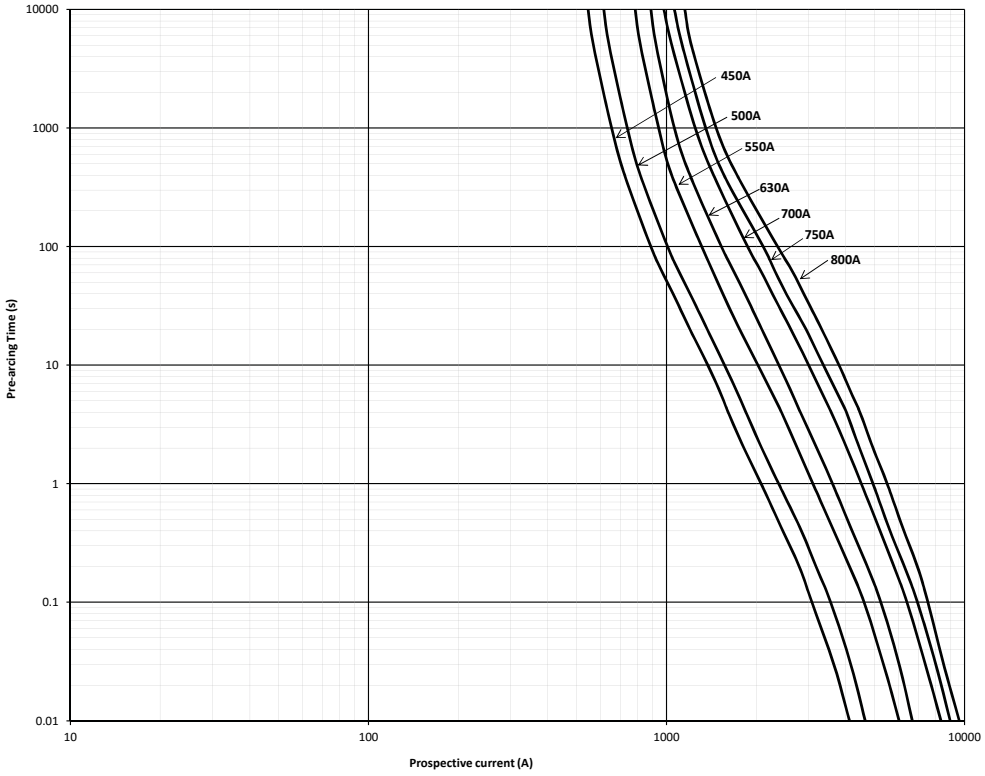


Data sheets: 720140, size 1* 5785524, 3 5785521, 23 5785525

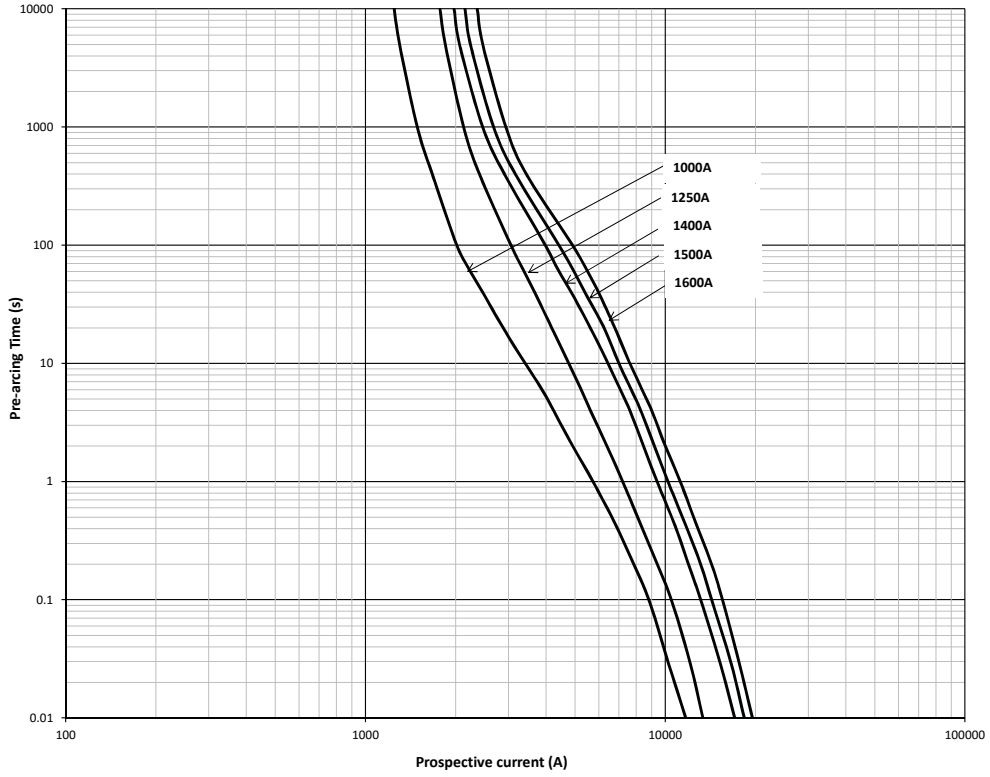
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750 V d.c. (IEC) - 50 A to 1600 A - Sizes 1*, 3 and 23 - Square body fuse links - 170M

Time-current curve - 170M2010 to 170M2016, 450 A to 800 A



Time-current curve - 170M2017 to 170M2021, 1000 A to 1600 A



Data sheet: 720140

Downloaded from Arrow.com.

750 V d.c. (IEC) - 63 A to 500 A - Sizes 1*, 1, 2 and 3 - Square body fuse links - 170E

Description

Traction flush end square body high speed fuse links for superior protection of DC third rail applications up to 750 V d.c..



Technical data

- Rated voltage: 750 V d.c. (IEC)
- Rated current: 63 A to 500 A
- Breaking capacity: see details below
- Operating class: gR

Standards / Agency information

Consult Eaton bulehighspeedtechnical@eaton.com

Catalogue numbers

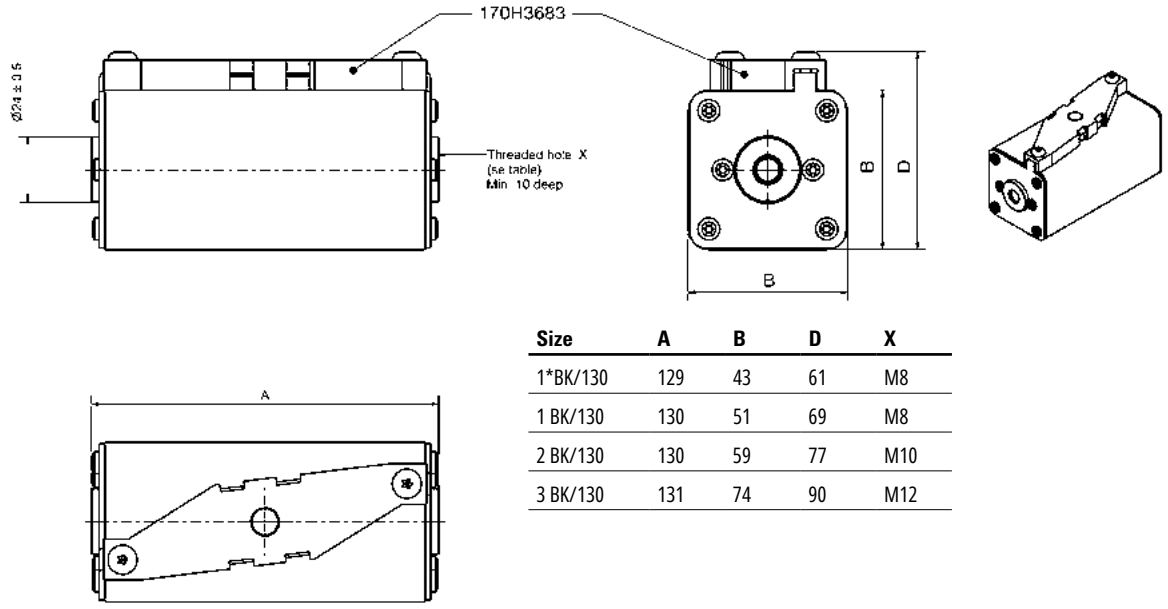
Fuse link body size	Rated voltage	Breaking capacity	Rated current (Amps)	I^2t (A^2s) Pre-arcing	Watts loss (W)	Catalogue numbers -BK flush end	Fuse link type	Catalogue numbers -EK knife blade	Fuse link type
1*	750 V d.c. (IEC)	80 kA at 43ms	63	1100	10	170E3577	BK/130	170E3583	EK/155
			80	1750	13	170E3578		170E3584	
			100	3000	16	170E3579		170E3585	
			125	4500	21	170E3580		170E3586	
			160	7700	26	170E3581		170E3587	
1	750 V d.c. (IEC)	50 kA at 15ms	200	11,000	37	170E5417		170E5420	EK/165
			250	18,000	46	170E5418		170E5421	
2	750 V d.c. (IEC)	100 kA at 15ms	250	17,000	47	170E8335		170E8345	EK/170
			315	28,000	57	170E8336		170E8346	
			400	55,000	73	170E8337		170E8347	
3	750 V d.c. (IEC)	50 kA at 15 ms	500	75,500	93	170E9681		170E9685	EK/170

Data sheets: 170K3620 (size 1*), 170k3622 (size 1), 170K3624 (size 2), 170K3626-A (size 3)

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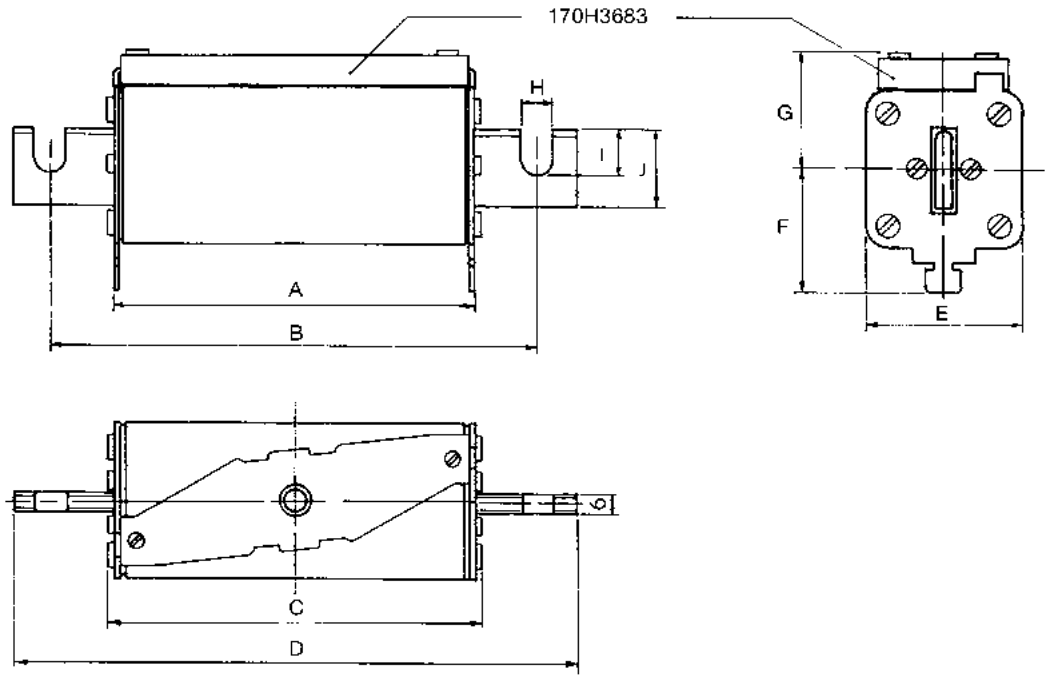
750 V d.c. (IEC) - 63 A to 500 A - Sizes 1*, 1, 2 and 3 - Square body fuse links - 170E

Dimensions (mm) - BK/130



Size	A	B	D	X
1*BK/130	129	43	61	M8
1 BK/130	130	51	69	M8
2 BK/130	130	59	77	M10
3 BK/130	131	74	90	M12

Dimensions (mm) - EK/



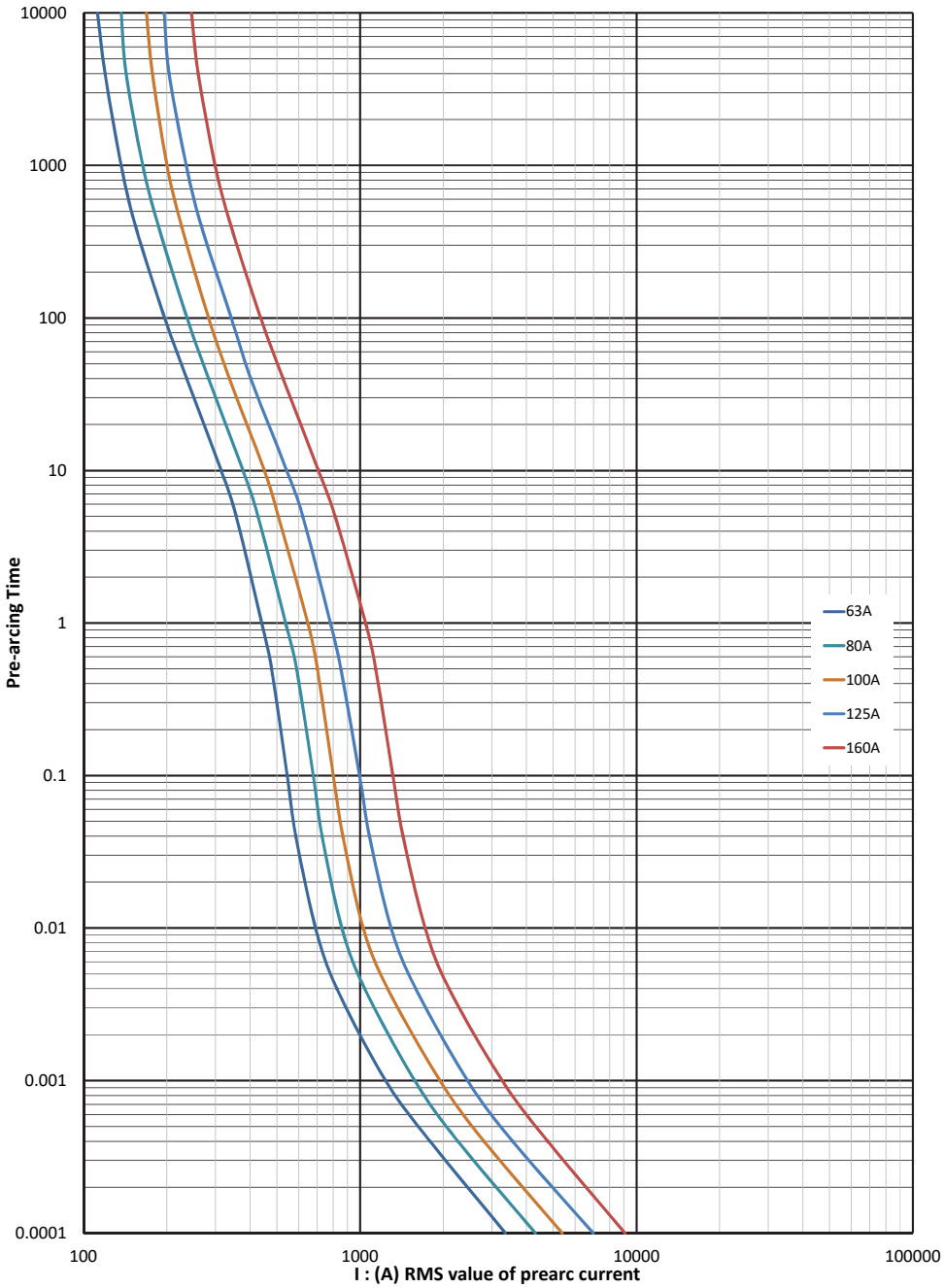
Size	A	B	C	D	E	F	G	H	I	J
1*EK/155	124	156	129	180	43	36	41	9	9	18
1 EK/165	124	166	129	191	51	37	41	11	14	25
2 EK/170	124	170	129	205	59	42	48	13	21	30
3 EK/170	125	170	130	206	74	51	56	13	20	36

Data sheets: 170K3620 (size 1*), 170k3622 (size 1), 170K3624 (size 2), 170K3626-A (size 3)

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750 V d.c. (IEC) - 63 A to 500 A - Sizes 1*, 1, 2 and 3 - Square body fuse links - 170E

Time-current curve - Size 1*, 63 A to 160 A

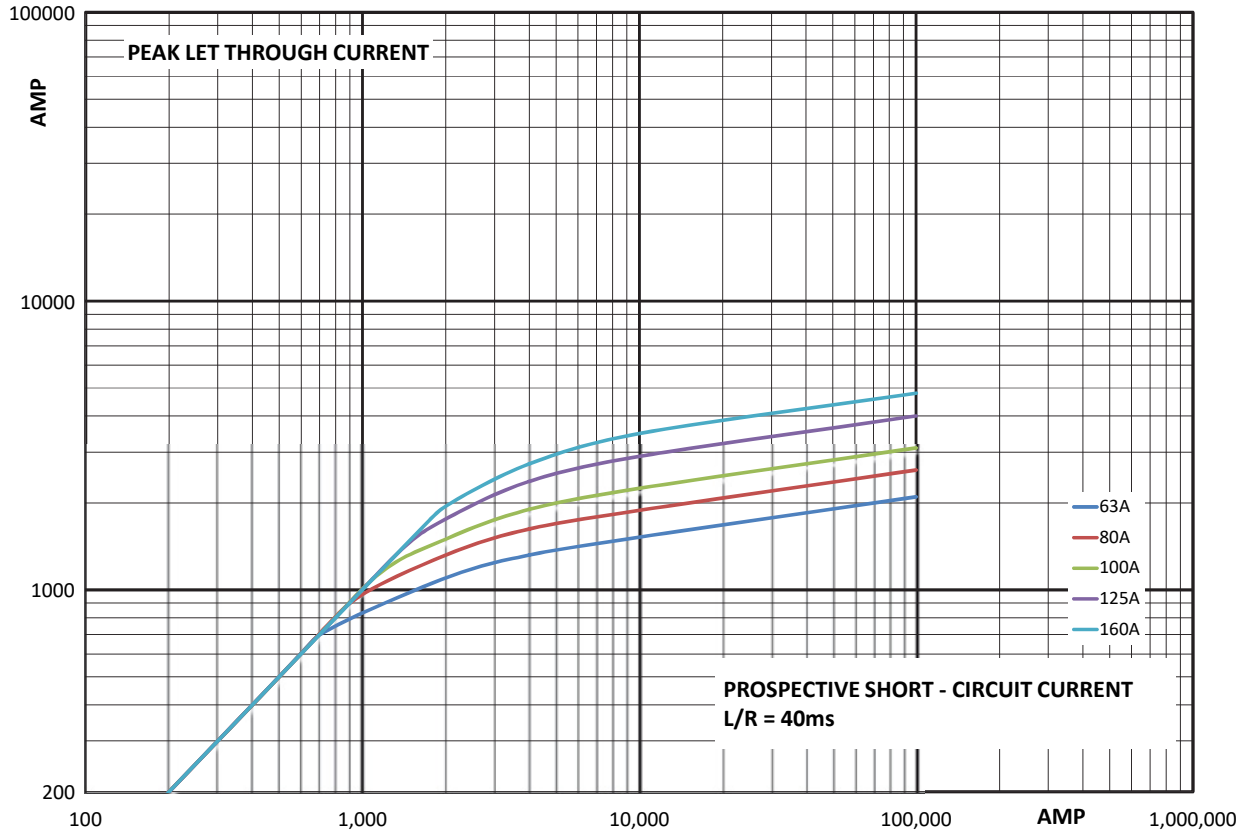


Data sheets: 170K3620 (size 1*), 170k3622 (size 1), 170K3624 (size 2), 170K3626-A (size 3)

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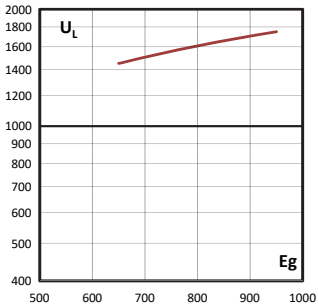
750 V d.c. (IEC) - 63 A to 500 A - Sizes 1*, 1, 2 and 3 - Square body fuse links - 170E

Cut-off curve - Size 1*, 63 A to 160 A



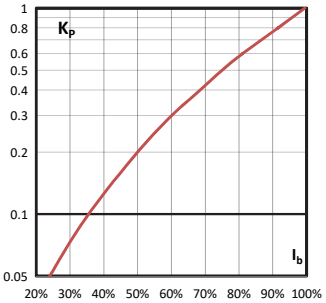
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.

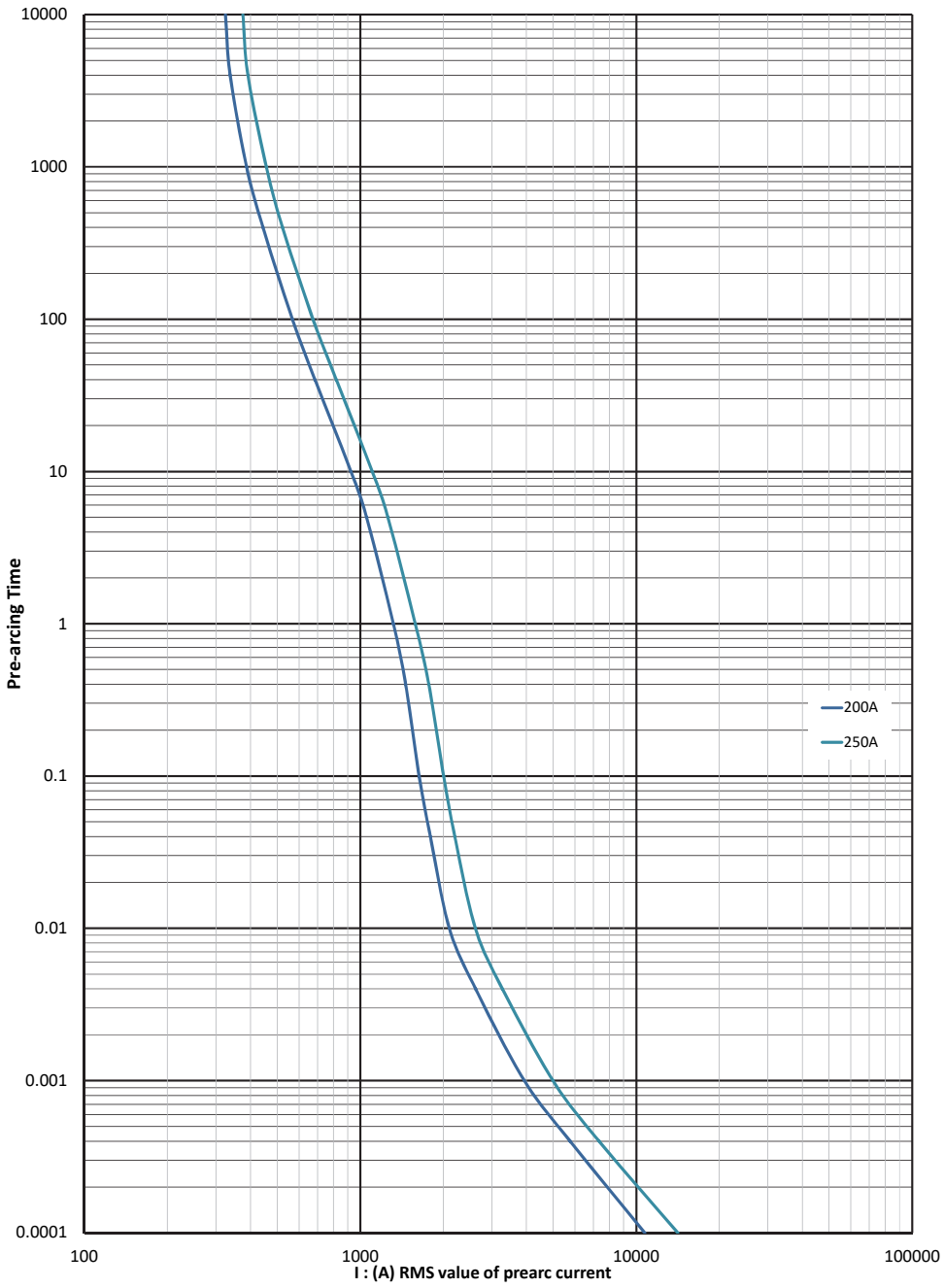


Data sheets: 170K3620 (size 1*), 170k3622 (size 1), 170K3624 (size 2), 170K3626-A (size 3)

Downloaded from Arrow.com.

750 V d.c. (IEC) - 63 A to 500 A - Sizes 1*, 1, 2 and 3 - Square body fuse links - 170E

Time-current curve - Size 1, 200 A and 250 A

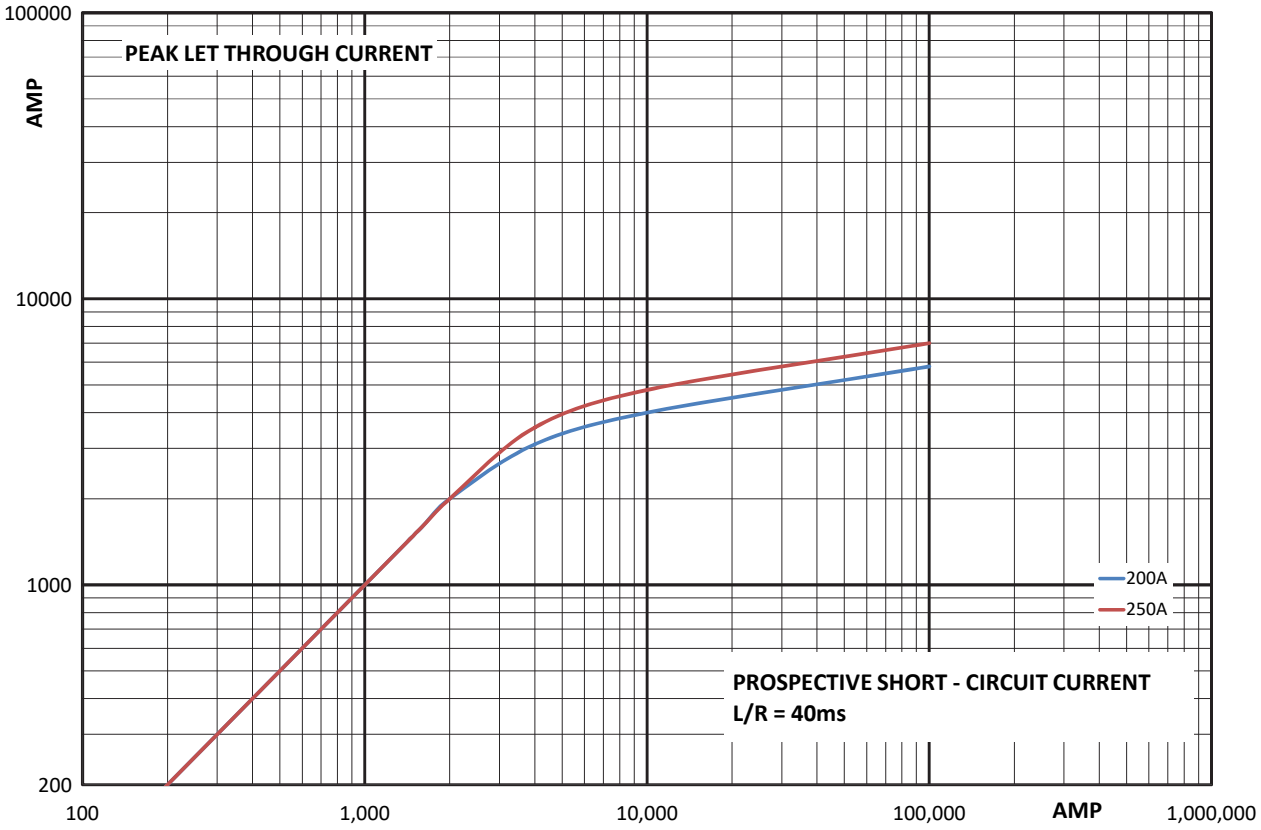


Data sheets: 170K3620 (size 1*), 170k3622 (size 1), 170K3624 (size 2), 170K3626-A (size 3)

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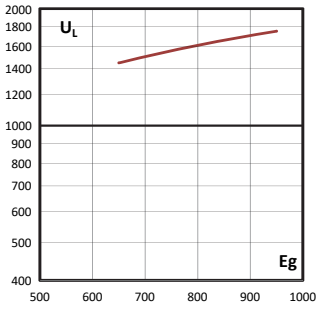
750 V d.c. (IEC) - 63 A to 500 A - Sizes 1*, 1, 2 and 3 - Square body fuse links - 170E

Cut-off curve - Size 1, 200 A and 250 A



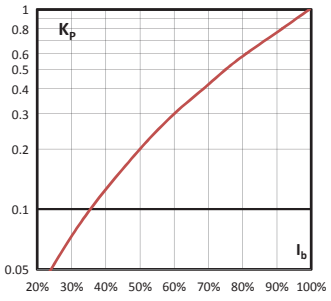
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.

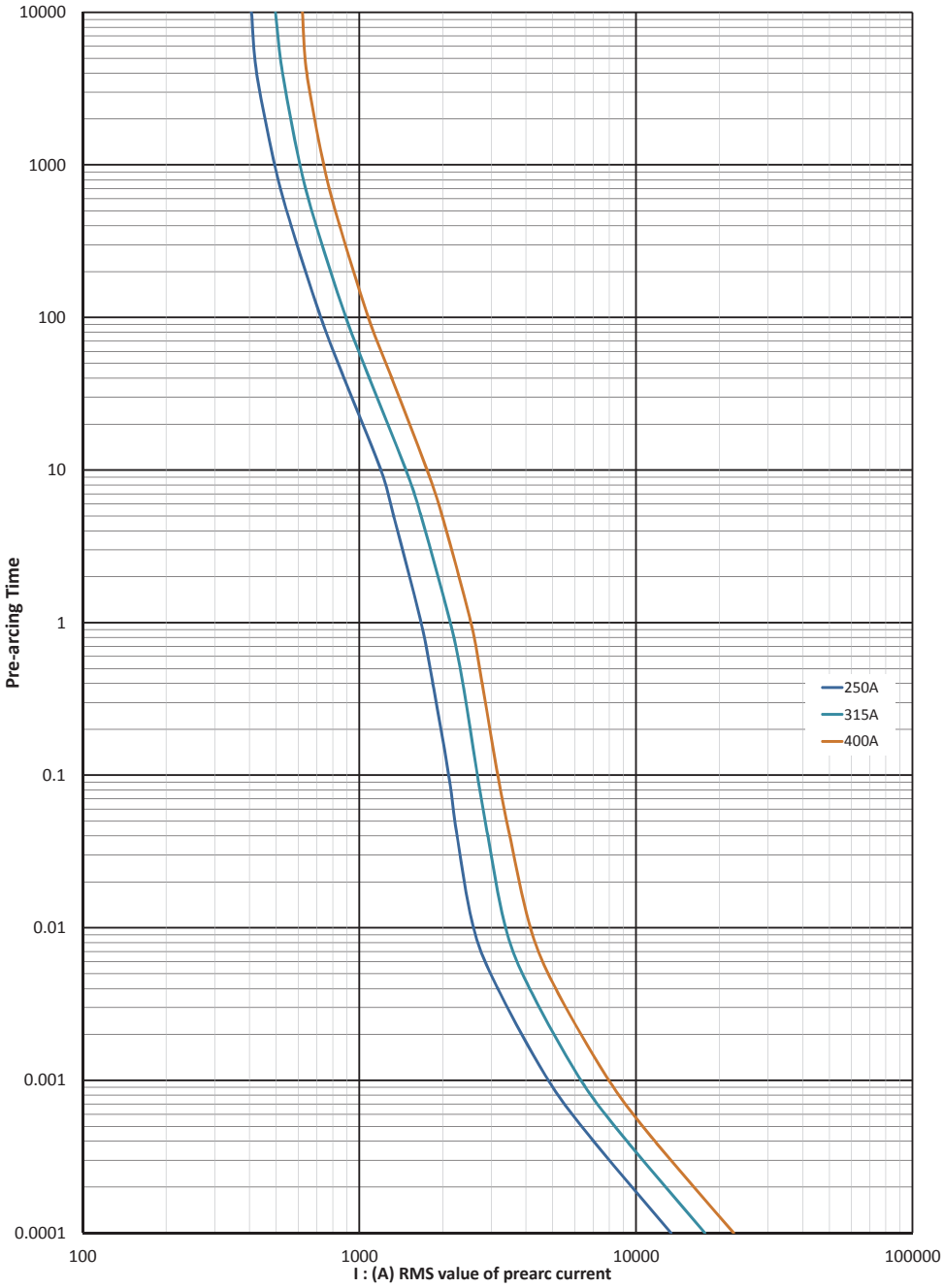


Data sheets: 170K3620 (size 1*), 170k3622 (size 1), 170K3624 (size 2), 170K3626-A (size 3)

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750 V d.c. (IEC) - 63 A to 500 A - Sizes 1*, 1, 2 and 3 - Square body fuse links - 170E

Time-current curve - Size 2, 250 A to 400 A

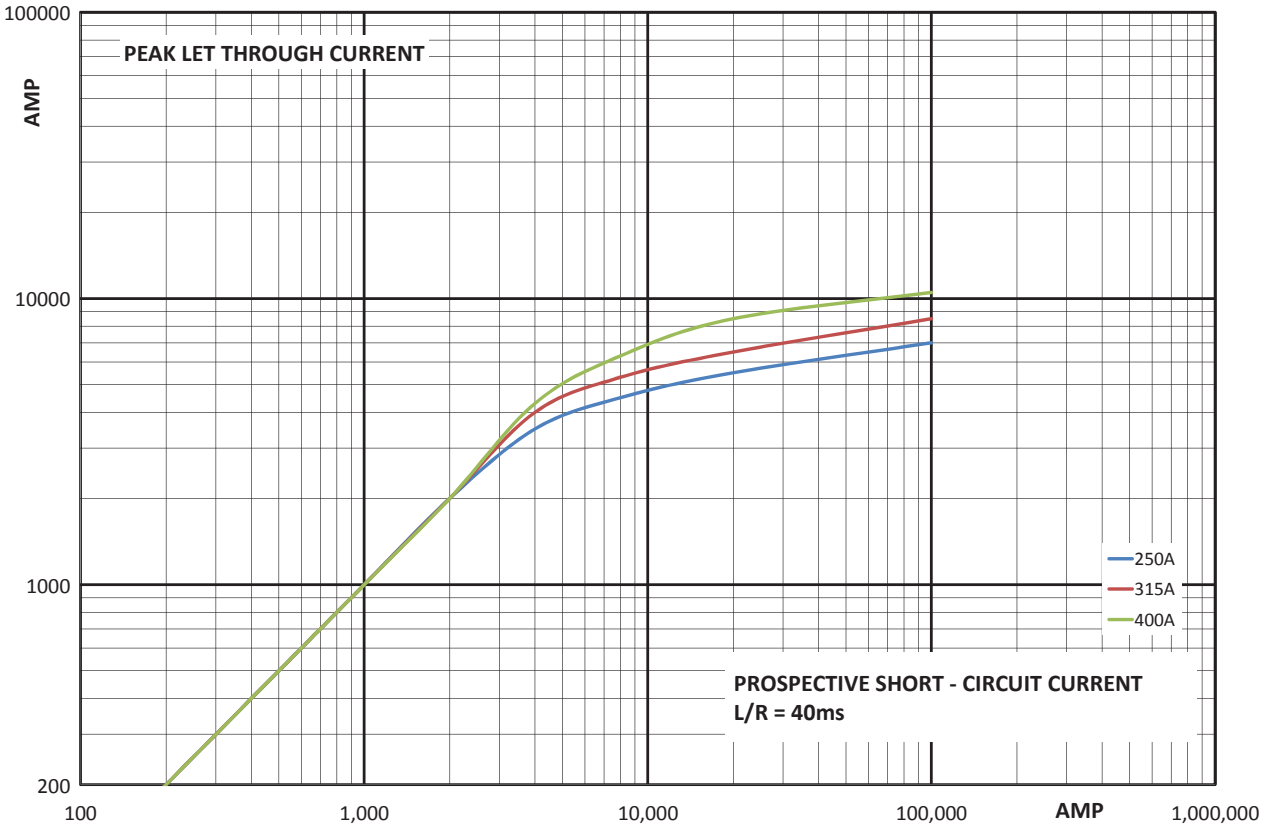


Data sheets: 170K3620 (size 1*), 170k3622 (size 1), 170K3624 (size 2), 170K3626-A (size 3)

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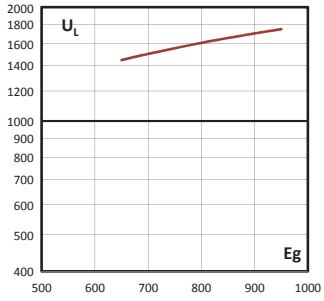
750 V d.c. (IEC) - 63 A to 500 A - Sizes 1*, 1, 2 and 3 - Square body fuse links - 170E

Cut-off curve - Size 2, 250 A to 400 A



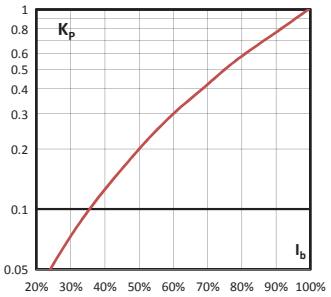
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.

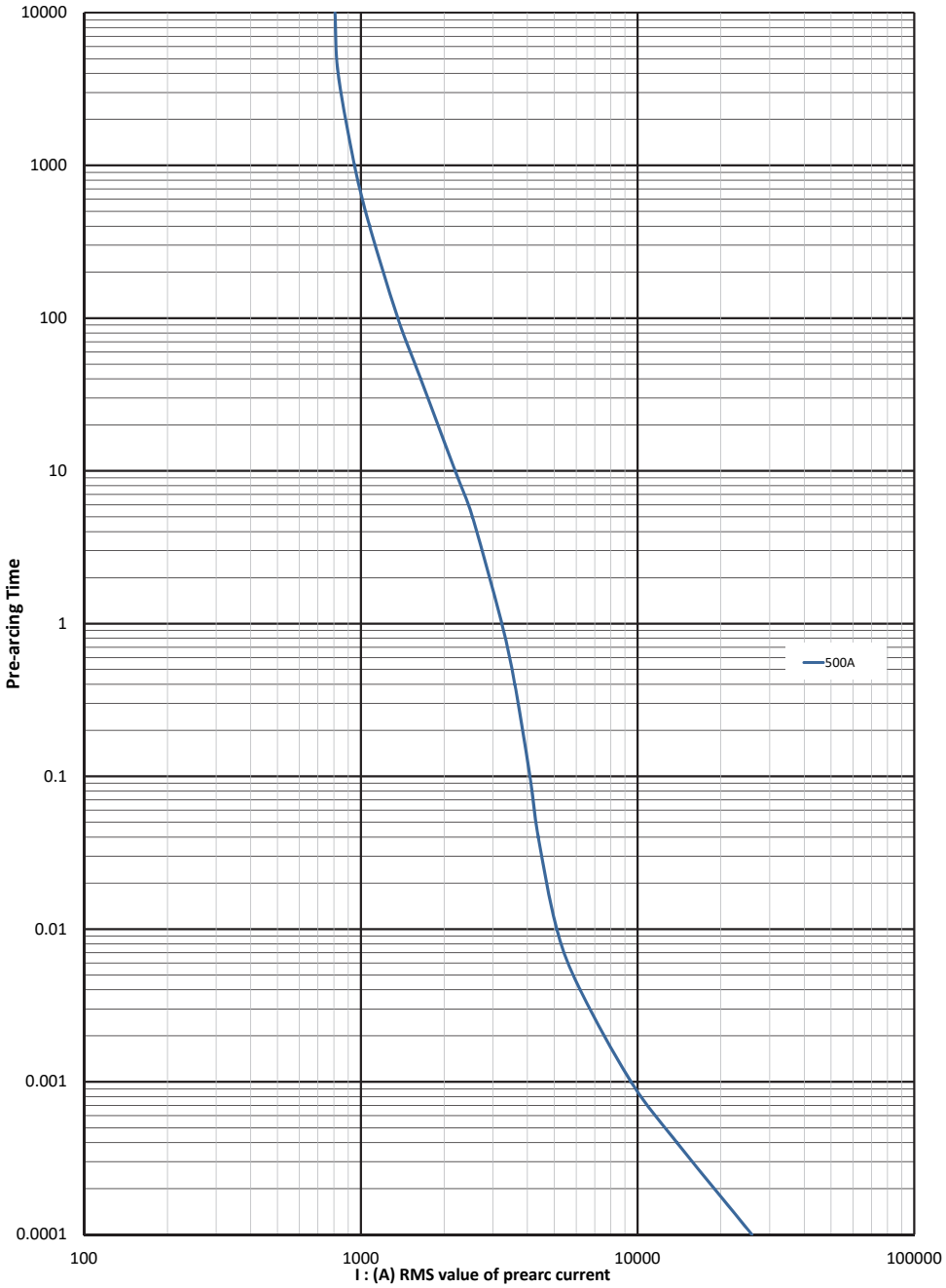


Data sheets: 170K3620 (size 1*), 170k3622 (size 1), 170K3624 (size 2), 170K3626-A (size 3)

Downloaded from Arrow.com.

750 V d.c. (IEC) - 63 A to 500 A - Sizes 1*, 1, 2 and 3 - Square body fuse links - 170E

Time-current curve - Size 3, 500 A

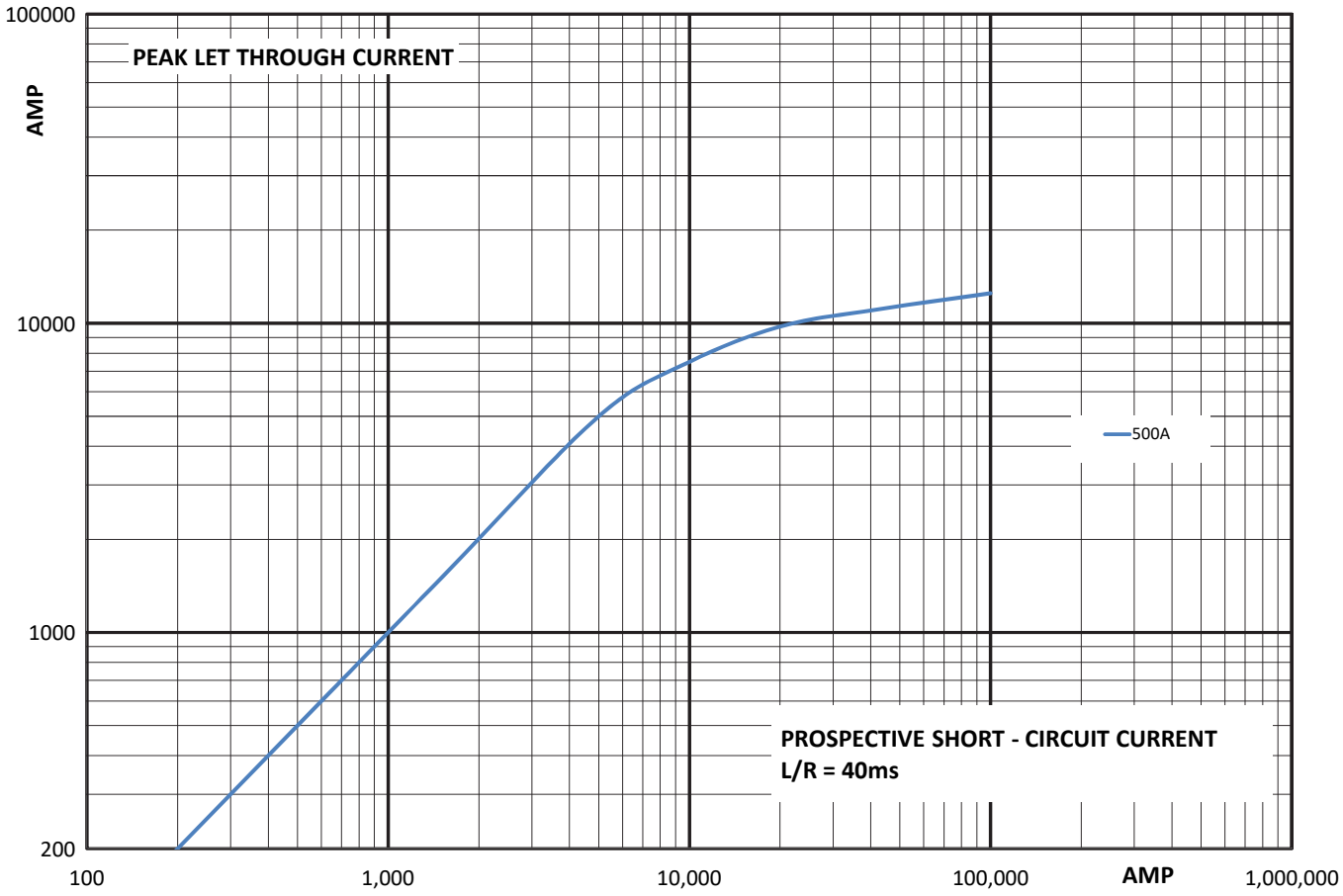


Data sheets: 170K3620 (size 1*), 170k3622 (size 1), 170K3624 (size 2), 170K3626-A (size 3)

Downloaded from Arrow.com.

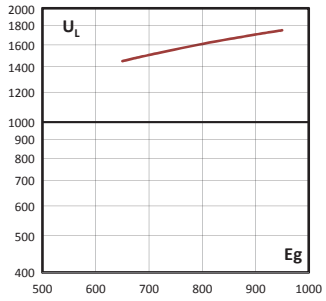
750 V d.c. (IEC) - 63 A to 500 A - Sizes 1*, 1, 2 and 3 - Square body fuse links - 170E

Cut-off curve - Size 2, 500 A



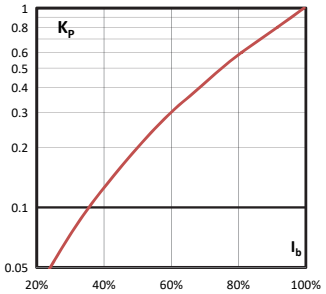
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.



Data sheets: 170K3620 (size 1*), 170k3622 (size 1), 170K3624 (size 2), 170K3626-A (size 3)

Downloaded from Arrow.com.

1250 V a.c. / 850 V d.c. (IEC) - 1400 A - Size 4 - Square body fuse link - 170M7217

Description

Traction flush end square body high speed fuse link suitable for use in third rail collector systems to protect high speed DC breakers in low time constant, high fault conditions. Suitable for 1250 V a.c. / 850 V d.c. systems.



Technical data

- Rated voltage: 1250 V a.c. / 850 V d.c. (IEC)
- Rated current: 1400 A
- Tested breaking capacity:
  - 100 kA at 1250 V a.c.
  - 80 kA at 850 V d.c., L/R 8ms
- Operating class: aR

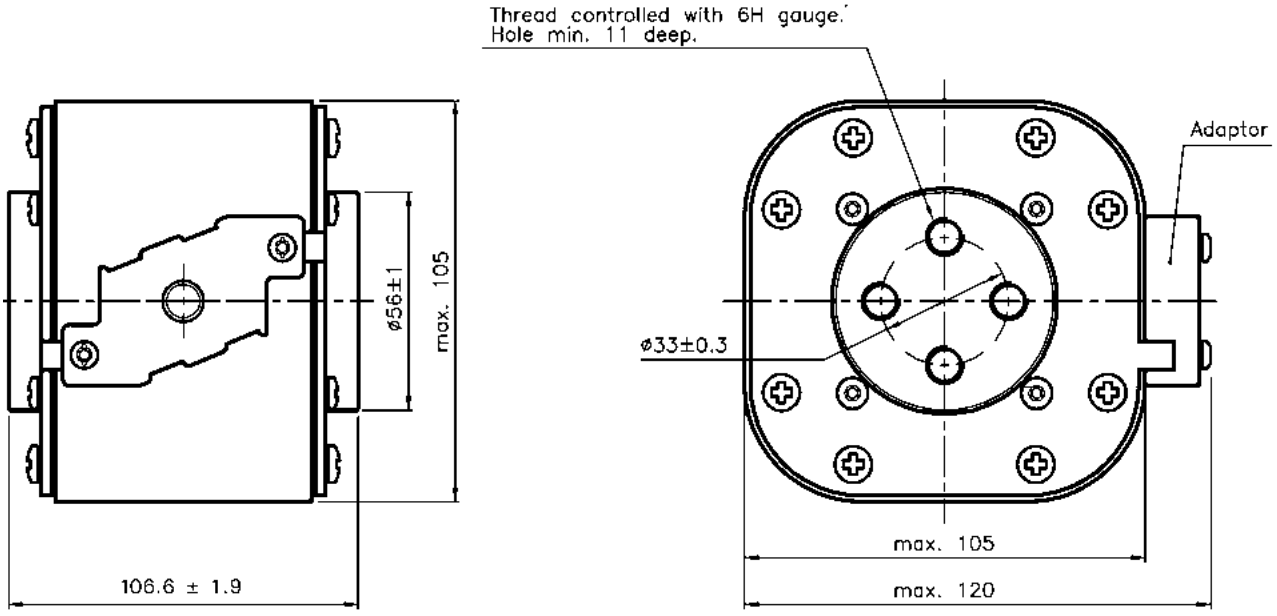
Standards / Agency information

Consult Eaton bulehighspeedtechnical@eaton.com

Catalogue numbers

Fuse link body size	Rated voltage	Rated current (Amps)	I^2t (A^2 Sec) Pre-arcing	I^2t (A^2 Sec) Clearing at 1250 V a.c.	Watts loss (W)	Catalogue numbers
4	850 V d.c./ 1250 V a.c. (IEC 1000 V d.c. 180 kA IR (UL) 1200 V d.c. 85 kA IR (UL))	1400	800,000	5,000,000	195	170M7217

Dimensions (mm)

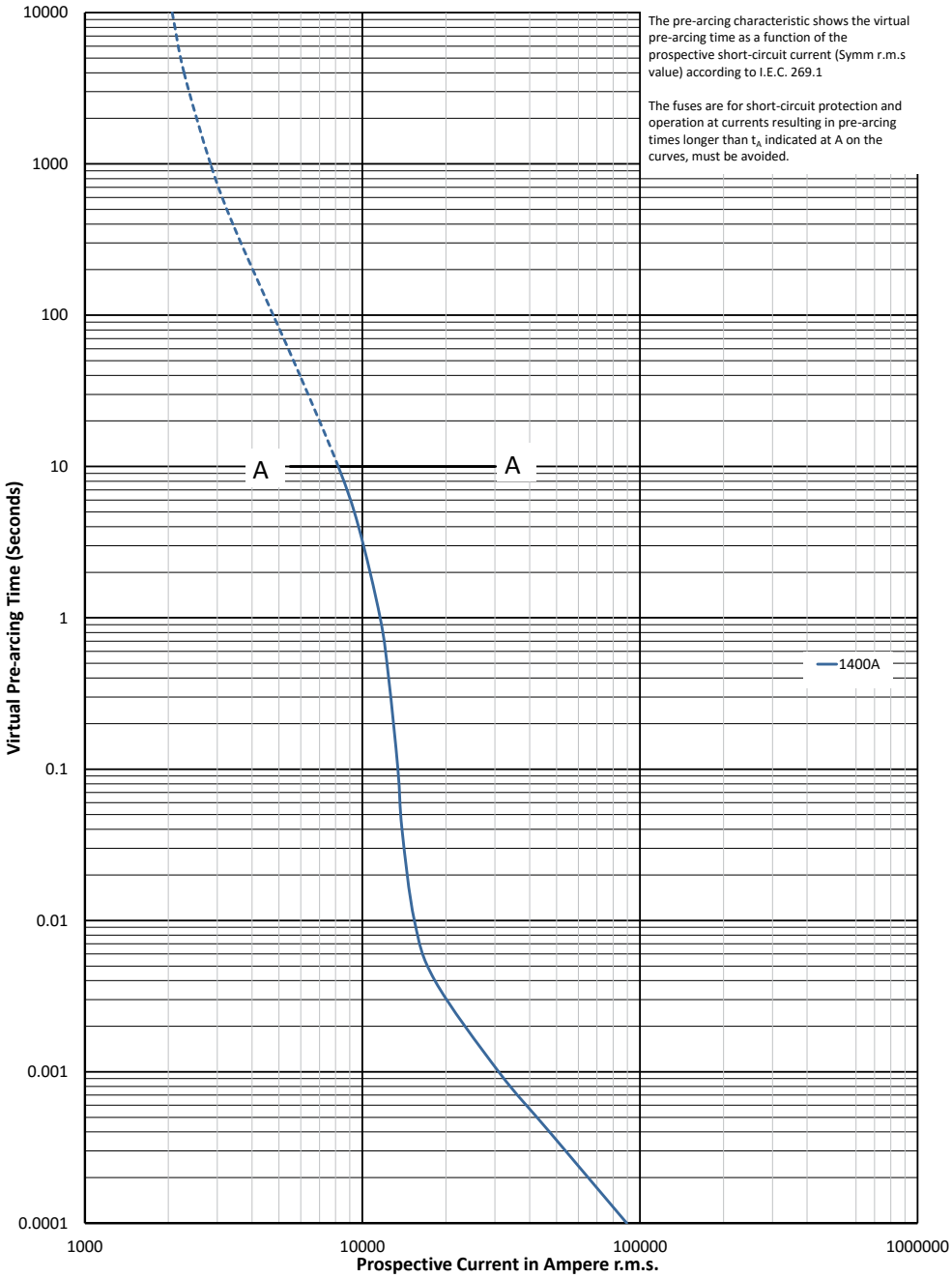


Data sheet: 170K6640

Downloaded from Arrow.com.

1250 V a.c. / 850 V d.c. (IEC) - 1400 A - Size 4 - Square body fuse link - 170M7217

Time-current curve - 1400 A



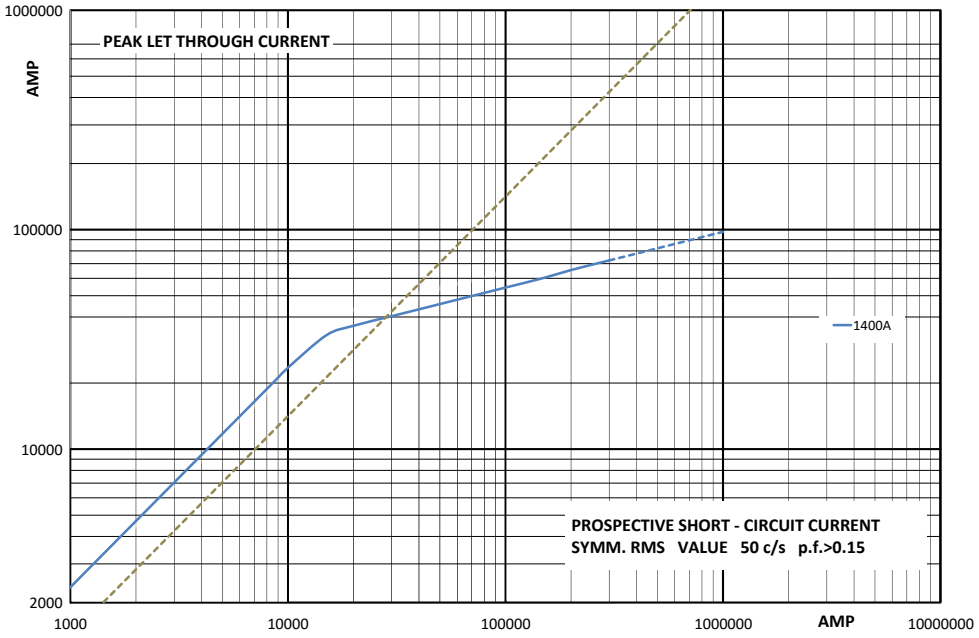
K_b = 1 N = 1.7

Data sheet: 170K6640

Downloaded from Arrow.com.

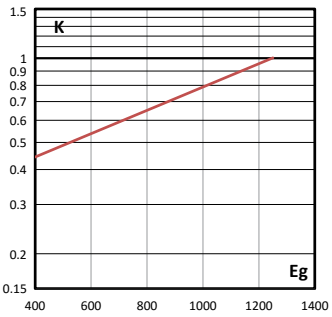
1250 V a.c. / 850 V d.c. (IEC) - 1400 A - Size 4 - Square body fuse link - 170M7217

Cut-off curve - 1400 A



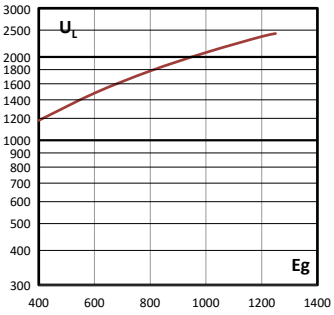
Total clearing I²t

The total clearing I²t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I²t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



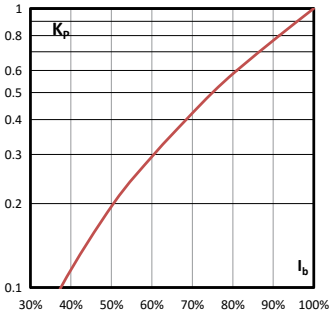
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.



Data sheet: 170K6640

Downloaded from Arrow.com.

1200 V d.c. (IEC) - 20 A to 215A - Size 1* - Square body fuse links - 170M



Description

Traction bolted tags square body high speed fuse links for superior
protection of DC third rail applications up to 1200 V d.c.

Technical data

- Rated voltage: 1200 V d.c. (IEC)
- Rated current: 20 A to 215 A
- Tested breaking capacity: 100 kA at 1200 V d.c., L/R 15ms
- Operating class: aR

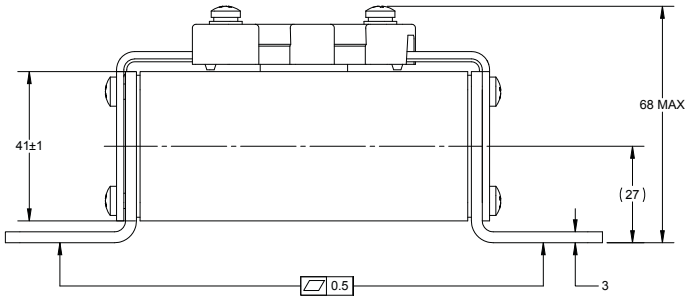
Standards / Agency information

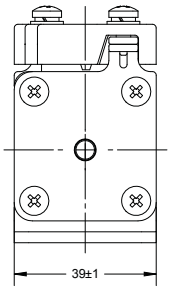
IEC 60269

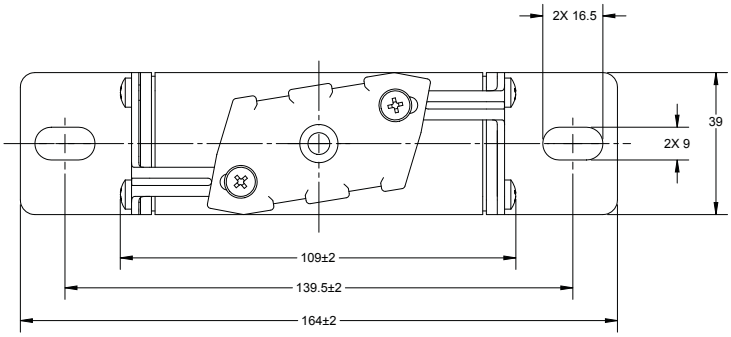
Catalogue numbers

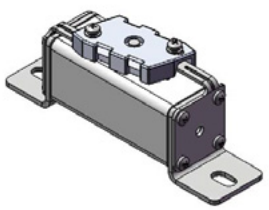
Fuse link type	Fuse link body size	Rated voltage	Rated current (Amps)	I^2t (A^2 Sec) Pre-arcing	I^2t (A^2 Sec) Clearing at 1200 V d.c.	Watts loss (W) 0.8 I_n	Watts loss (W) I_n	Catalogue numbers
Single slot tag	1*	1200 V d.c. (IEC)	20	82	249	1	2	170M2100
			25	173	526	4	8	170M2101
			32	327	994	5	9	170M2102
			40	550	1675	1	9	170M2103
			50	950	2890	7	13	170M2104
			63	1310	3990	5	9	170M2105
			80	1970	6000	13	23	170M2106
			100	3800	11,600	14	26	170M2107
			125	8550	26,025	13	24	170M2108
			160	8770	26,700	24	44	170M2109
			200	15,200	46,300	29	52	170M2110
			215	16,430	50,000	32	58	170M2111

Dimensions (mm)







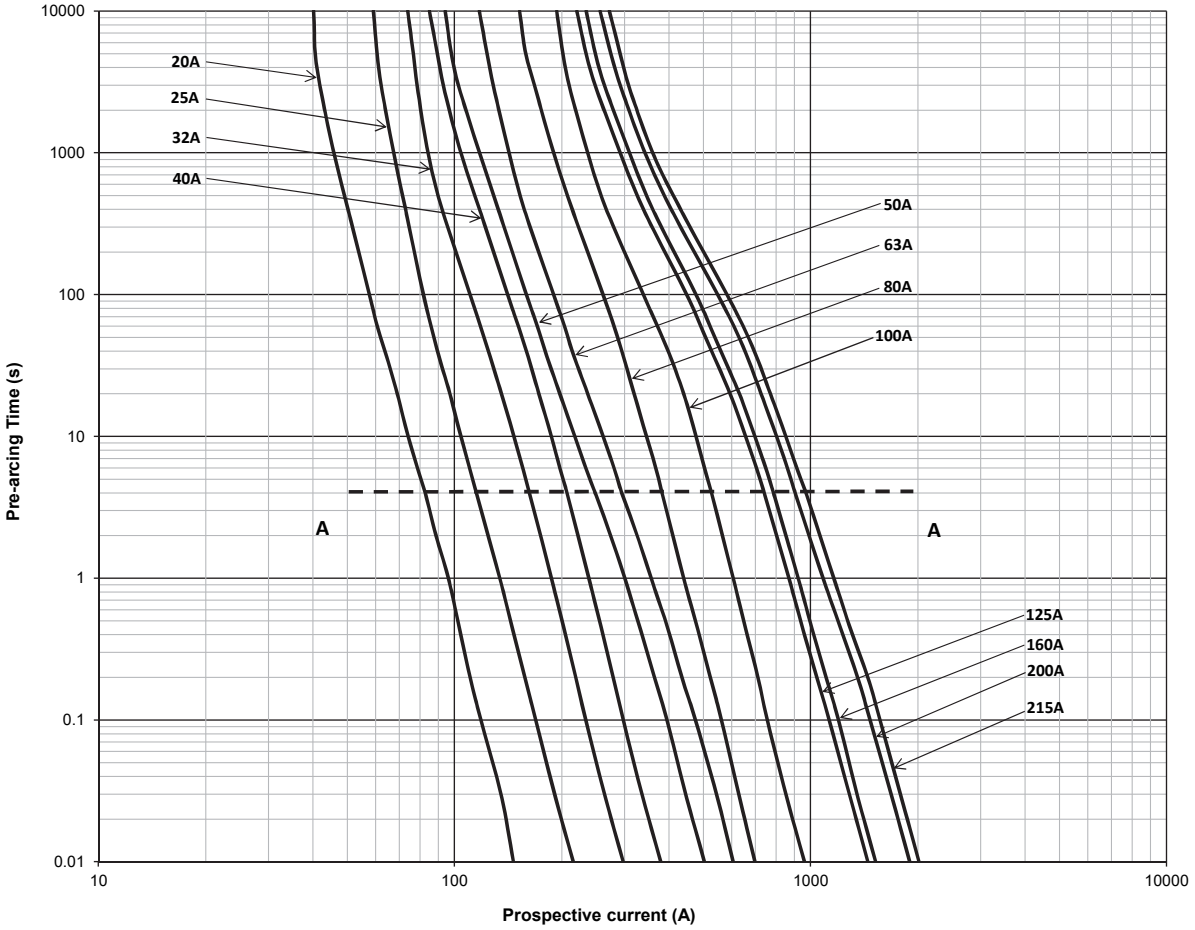


Data sheet: 5785523

Downloaded from Arrow.com.

1200 V d.c. (IEC) - 20 A to 215A - Size 1* - Square body fuse links - 170M

Time-current curve - 20 A to 215 A



Data sheet: 5785523

Downloaded from Arrow.com.

1200 V d.c. (IEC), 160 A to 420 A - Size 2 - Square body fuse links - 170F

Description

Traction bolted tags square body high speed fuse link for superior protection in DC traction applications up to 1200 V d.c.



Technical data

- Rated voltage:
  - 1200 V d.c. (IEC)
  - 1050 V d.c. (UL)
- Rated current: 160 A to 420 A
- Breaking capacity:
  - 100 kA at 1000 V d.c., L/R = 45ms
  - 100 kA at 1200 V d.c., L/R = 15ms
- Operating class: aR

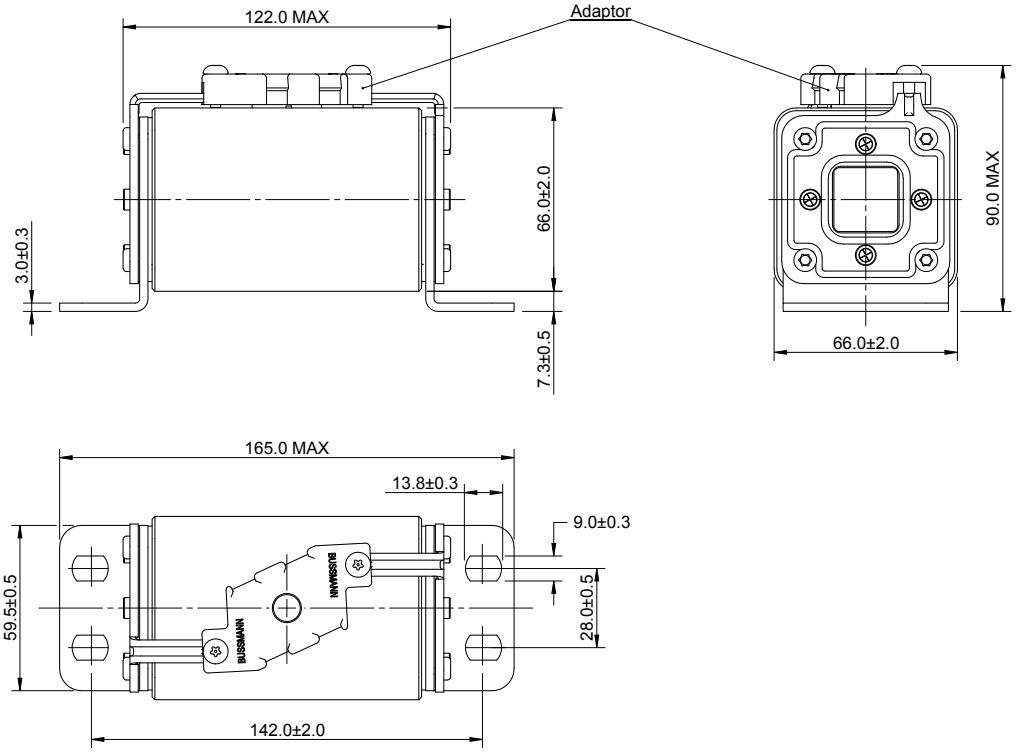
Standards / Agency information

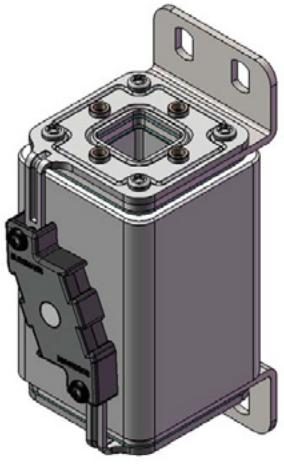
Contact Eaton bulehighspeedtechnical@eaton.com

Catalogue numbers

Fuse link type	Fuse link body size	Rated voltage	Rated current (Amps)	I²t (A² Sec) 1000 V d.c. L/R 15ms	I²t (A² Sec) 1000 V d.c. L/R 45ms	Watts loss (W)	Catalogue numbers
Double slotted tag	2	1200 V d.c. (IEC) 1050 V d.c. (UL)	160	12,000	20,000	75	170F8230
			200	20,000	35,000	85	170F8231
			250	43,000	75,000	94	170F8232
			315	87,000	150,000	104	170F8233
			400	180,000	310,000	120	170F8234
			420	215,000	375,000	122	170F8235

Dimensions (mm)



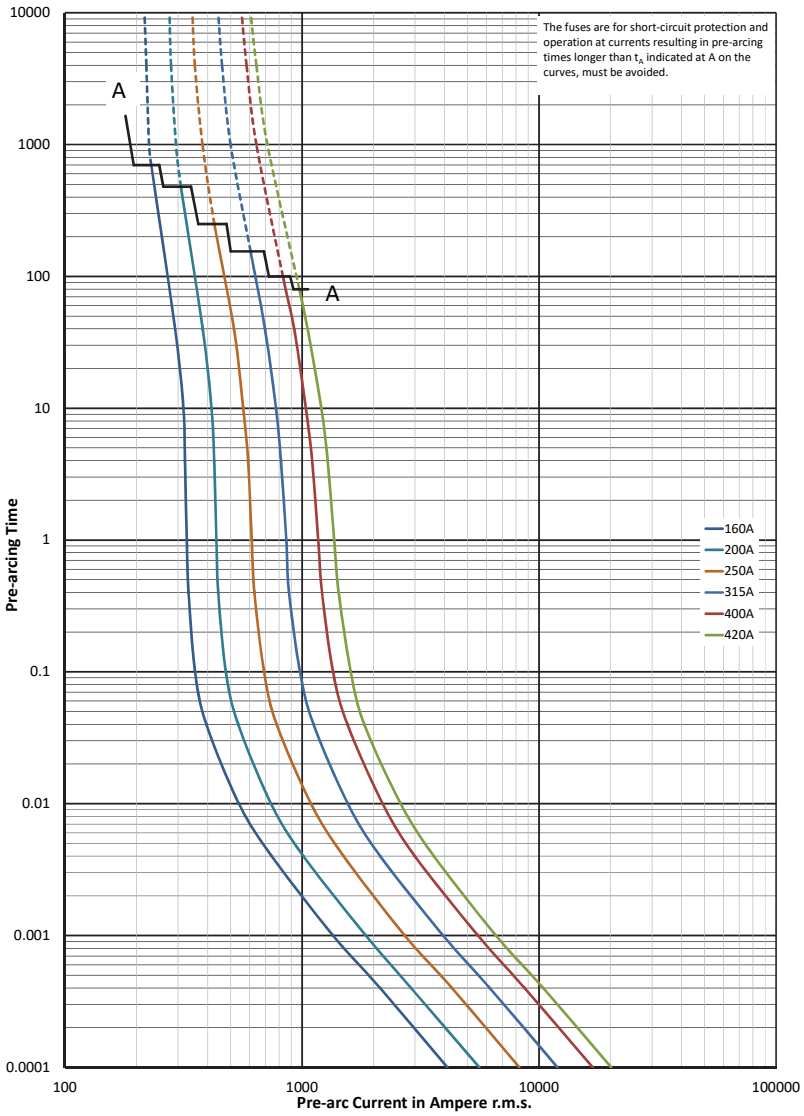


Data sheet: 170K5520

Downloaded from Arrow.com.

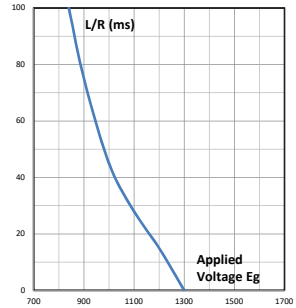
170F - Size 2, Square body fuse links, 1200 V d.c. (IEC), 160 A to 420 A

Time-current curve - 160 A to 420 A



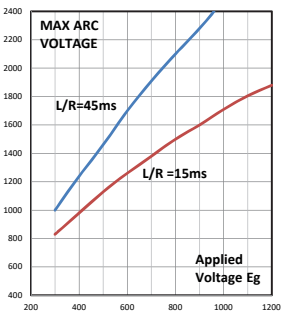
Total clearing I^2t

The total clearing I^2t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I^2t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



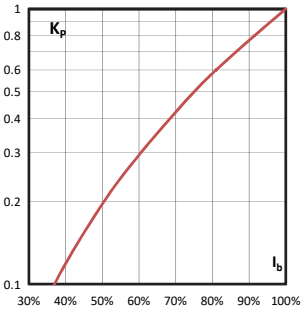
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.



Data sheet: 170K5520

Downloaded from Arrow.com.

2000 V d.c. (IEC) - 10 A to 80 A - Size 1*- Square body fuse links - 170E

Description

Traction bolted tags square body high speed fuse link which provides superior protection in DC traction applications up to 2000 V d.c.



Technical data

- Rated voltage: 2000 V d.c. (IEC)
- Rated current: 10 A to 80 A
- Tested breaking capacity: 40 kA at 2000 V d.c., L/R 30ms
- Operating class: gR

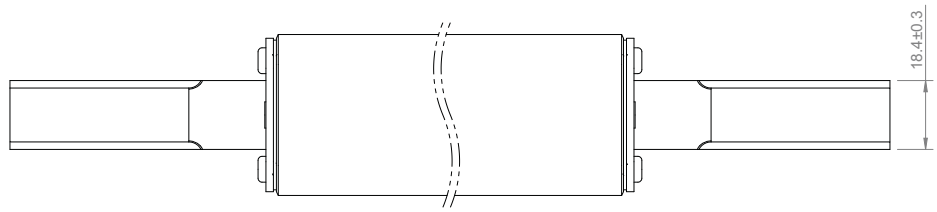
Standards / Agency information

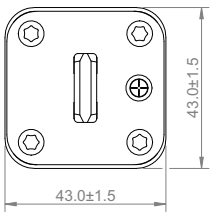
Contact Eaton bulehighspeedtechnical@eaton.com

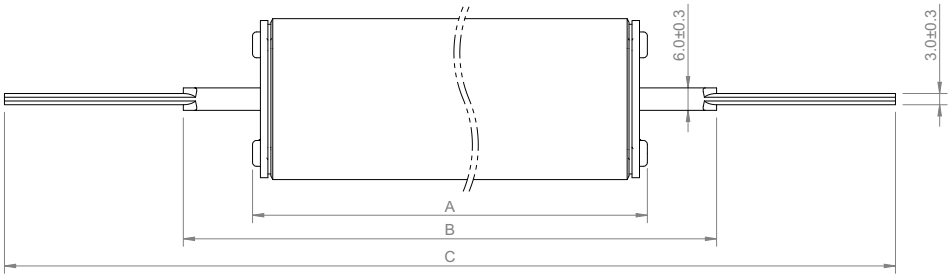
Catalogue numbers

Fuse link type	Fuse link body size	Rated voltage	Rated current (Amps)	Watts loss (W)	Catalogue numbers
Knife blade style	1*	2000 V d.c.(IEC)	10	7	170E3977
			12	8	170E3982
			16	11	170E3971
			20	13	170E3906
			25	17	170E3907
			32	22	170E3908
			40	27	170E3909
			50	34	170E3910
			63	43	170E3911
			80	50	170E3912

Dimensions (mm)







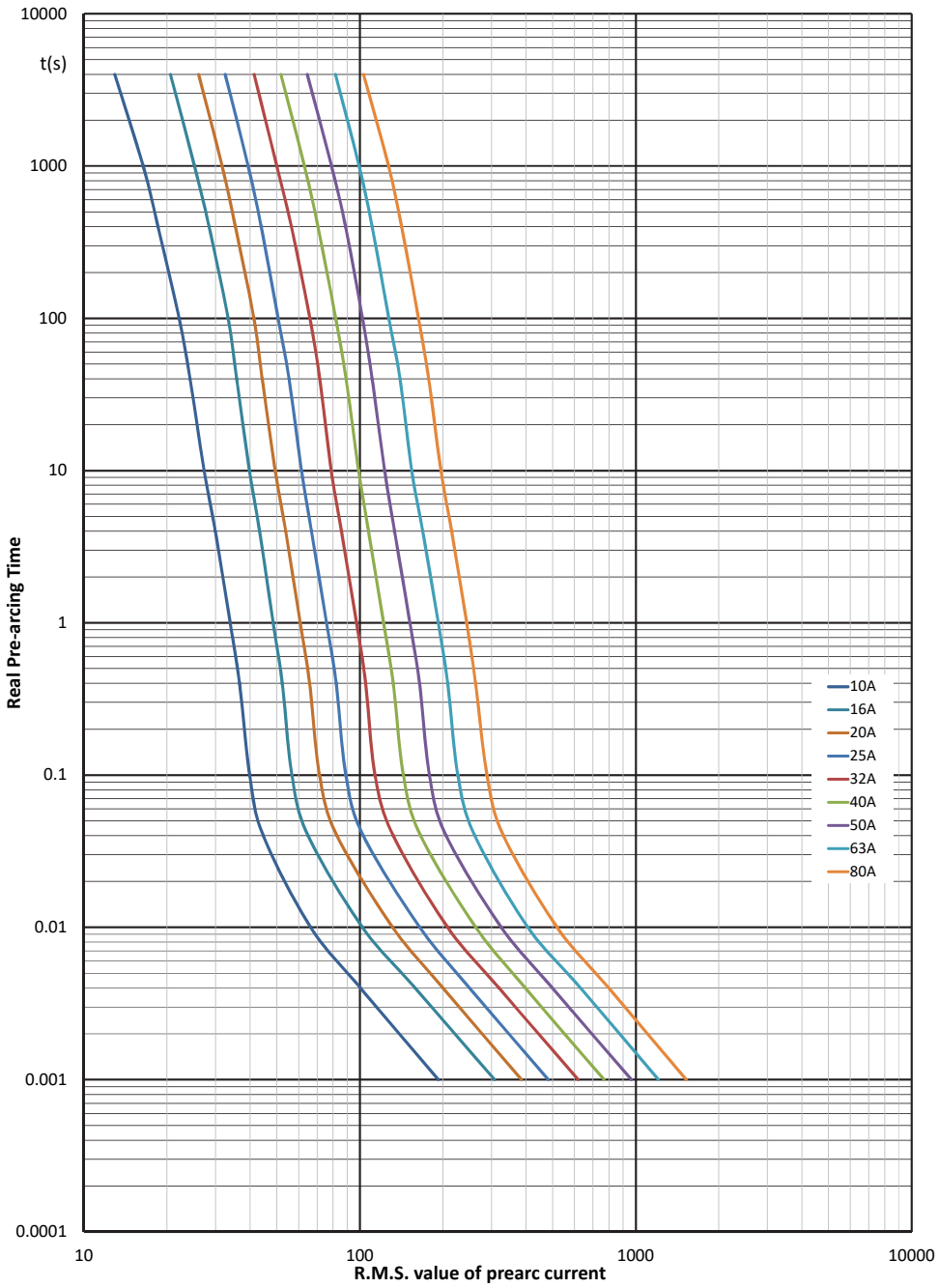
A	B	C
215 ± 2.5	250.5 ± 3.2	245.5 ± 3.5

Data sheet: 170K4538

Downloaded from Arrow.com.

2000 V d.c. (IEC) - 10 A to 80 A - Size 1*- Square body fuse links - 170E

Time-current curve - 10 A to 80 A

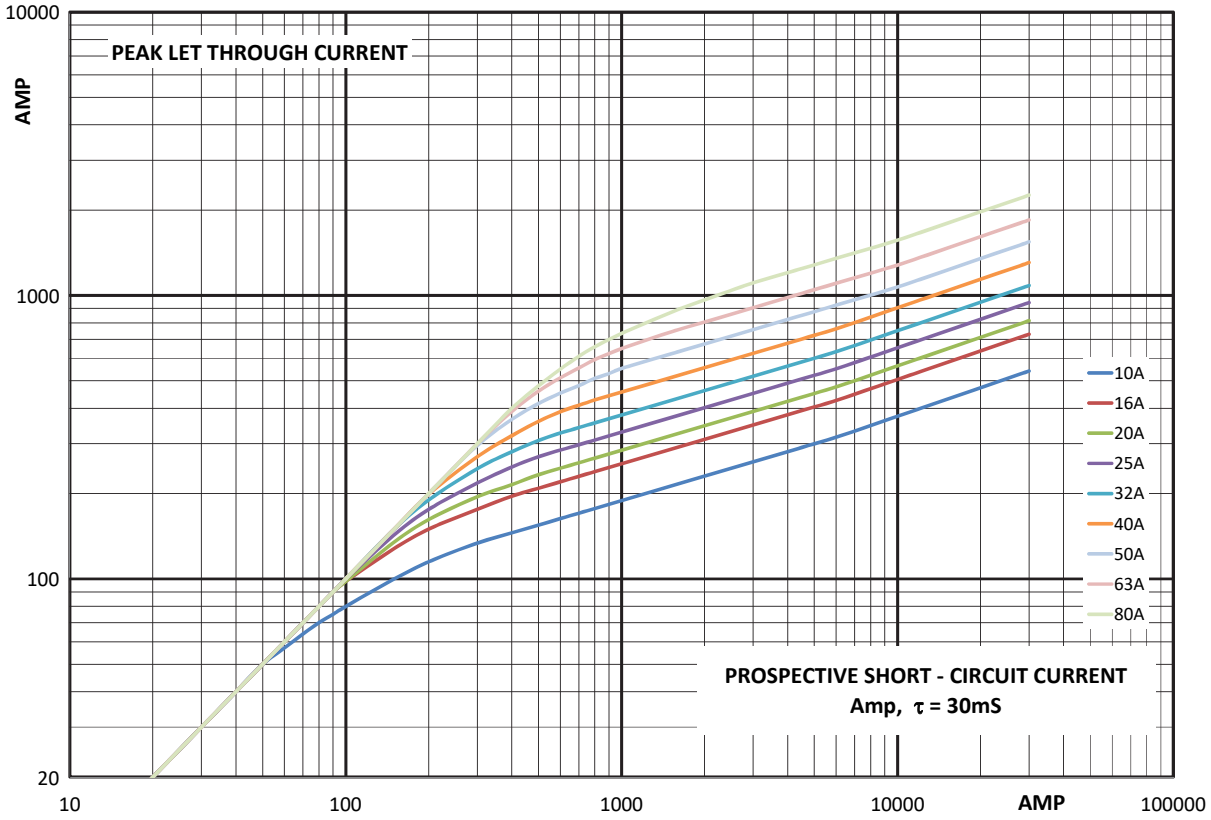


Data sheet: 170K4538

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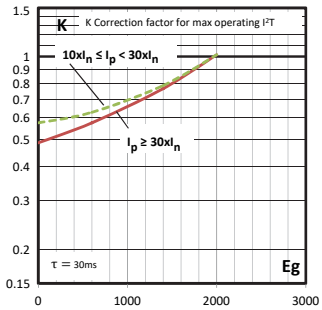
2000 V d.c. (IEC) - 10 A to 80 A - Size 1*- Square body fuse links - 170E

Cut-off curve - 10 A to 80 A



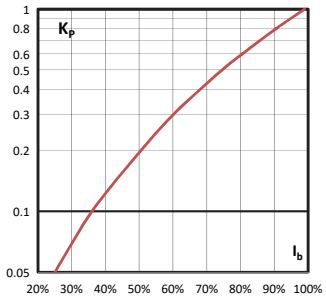
Total clearing I²t

The total clearing I²t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I²t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



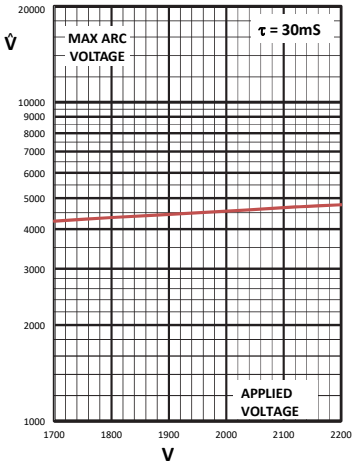
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.



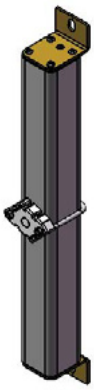
Data sheet: 170K4538

Downloaded from Arrow.com.

2000 V d.c. (IEC) - 10 A to 125 A - Size 1* - Square body fuse links - 170E

Description

Traction bolted tags square body high speed fuse link which provides superior protection in DC traction applications up to 2000 V d.c..



Technical data

- Rated voltage: 2000 V d.c. (IEC)
- Rated current: 10 A to 125 A
- Tested breaking capacity: 40 kA at 2000 V d.c., L/R 20ms
- Operating class: aR

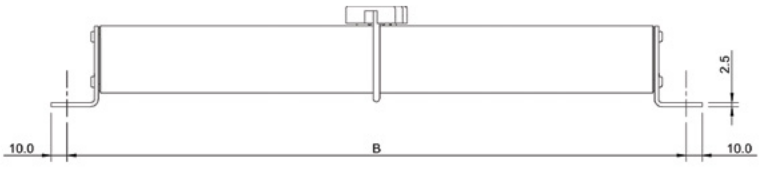
Standards / Agency information

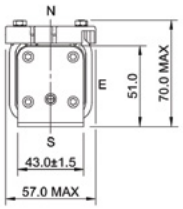
Contact Eaton bulehighspeedtechnical@eaton.com

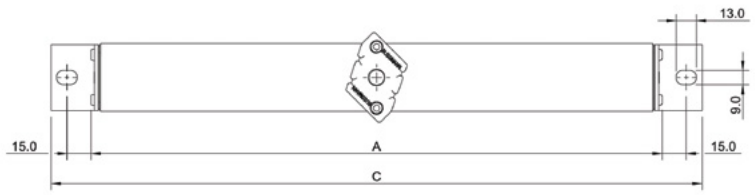
Catalogue numbers

Fuse link type	Fuse link body size	Rated voltage	Rated current (Amps)	Watts loss (W)	Catalogue numbers
Bolted blade Style	1*	2000 V d.c. (IEC)	20	13	170E3937
			25	16	170E3938
			32	20	170E3939
			40	25	170E3940
			50	32	170E3941
			63	40	170E3942
			80	51	170E3943
			100	64	170E3944
			125	80	170E3945
			10	7	170E3976
			16	11	170E3970
			20	13	170E3950
			25	17	170E3951
			32	22	170E3952
			40	27	170E3953
			50	34	170E3954
			63	43	170E3955
			80	50	170E3956

Dimensions (mm)







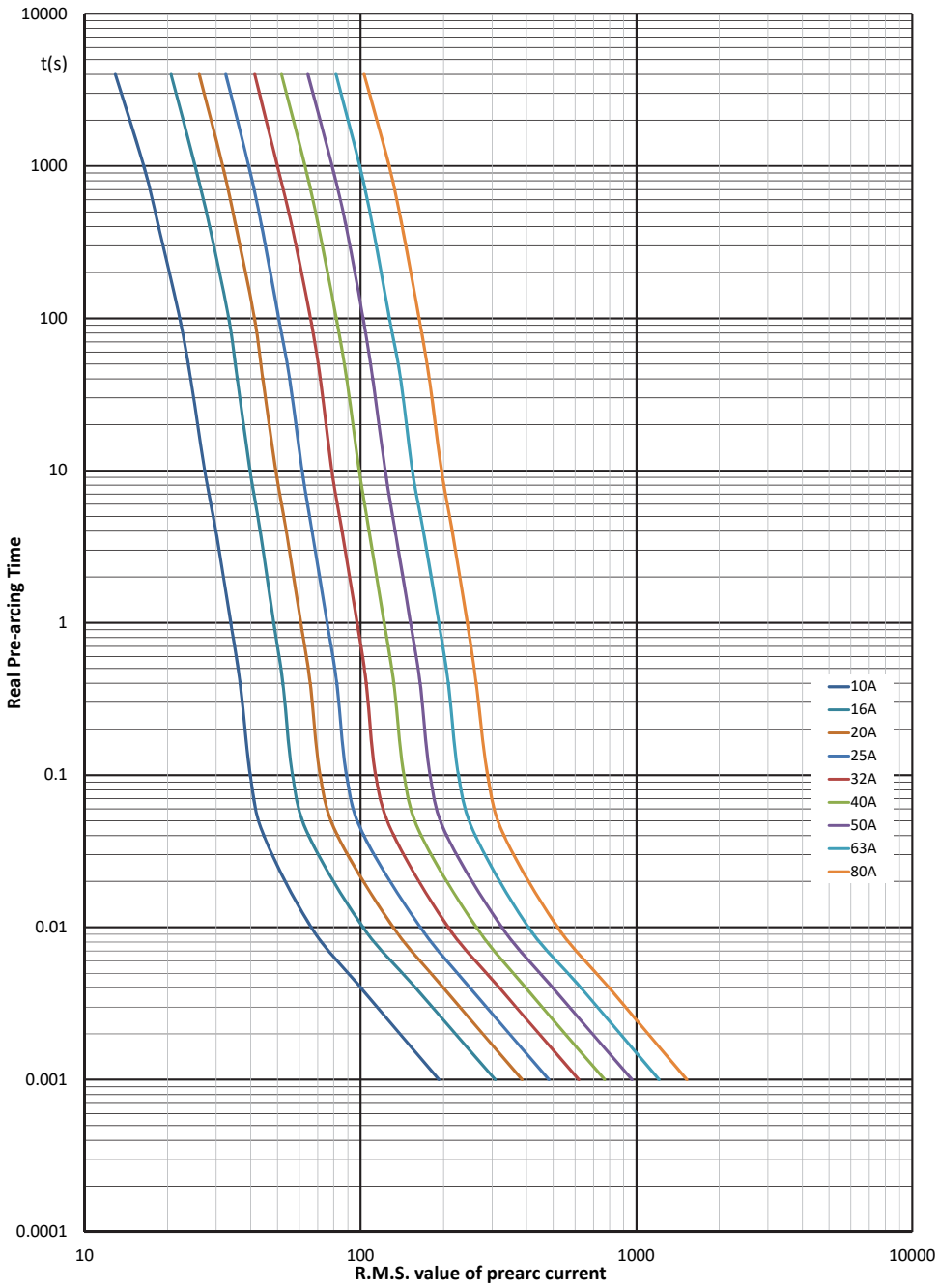
A	B	C
217	246	266

Data sheets: 170K4538 (10 A to 80 A), 170K4900 (20 A to 125 A)

Downloaded from Arrow.com.

2000 V d.c. (IEC) - 10 A to 125 A - Size 1* - Square body fuse links - 170E

Time-current curve - 10 A to 80 A

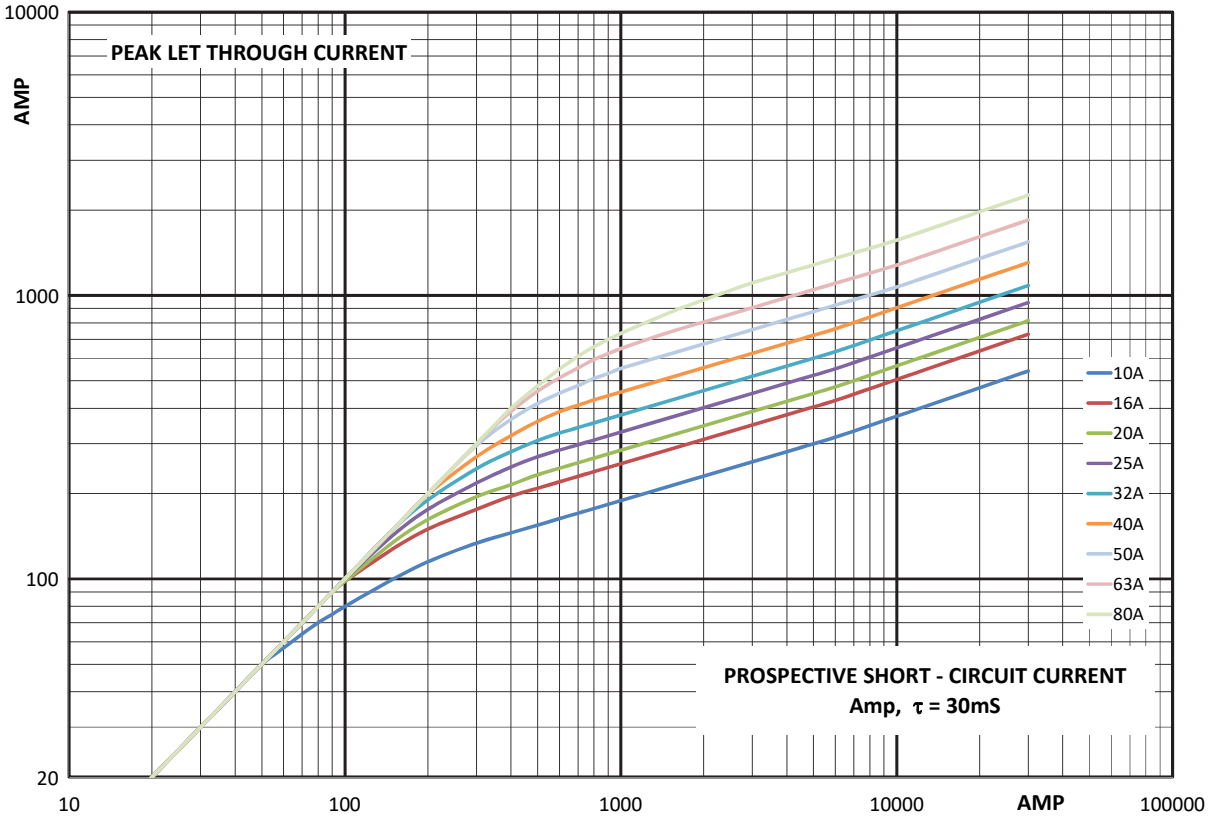


Data sheets: 170K4538 (10 A to 80 A), 170K4900 (20 A to 125 A)

Downloaded from Arrow.com.

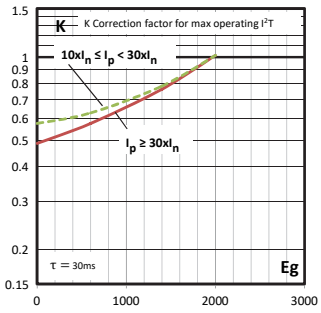
2000 V d.c. (IEC) - 10 A to 125 A - Size 1* - Square body fuse links - 170E

Cut-off curve - 10 A to 80 A



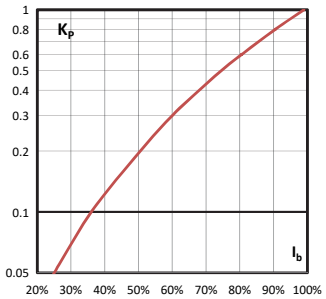
Total clearing I²t

The total clearing I²t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I²t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



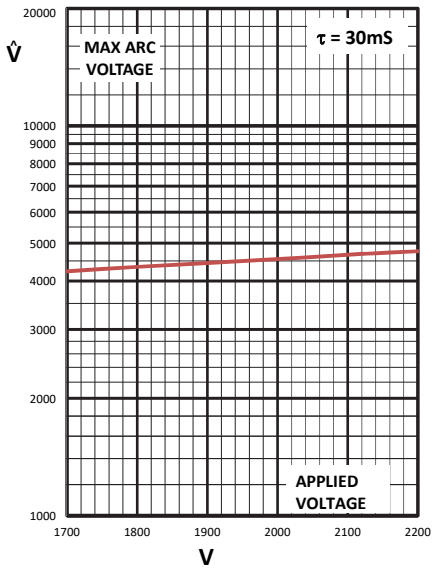
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.

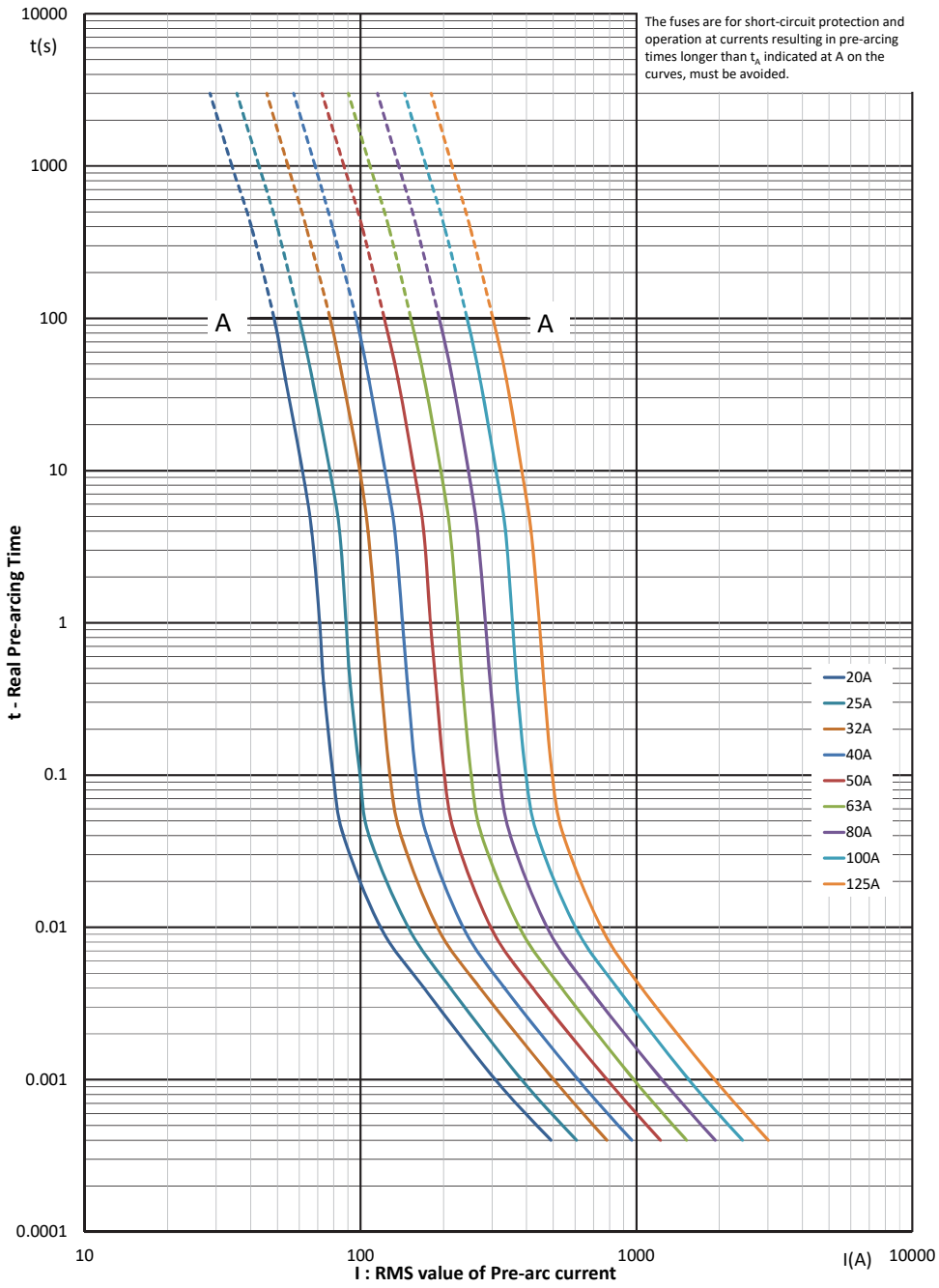


Data sheets: 170K4538 (10 A to 80 A), 170K4900 (20 A to 125 A)

Downloaded from Arrow.com.

2000 V d.c. (IEC) - 10 A to 125 A - Size 1* - Square body fuse links - 170E

Time-current curve - 20 A to 125 A

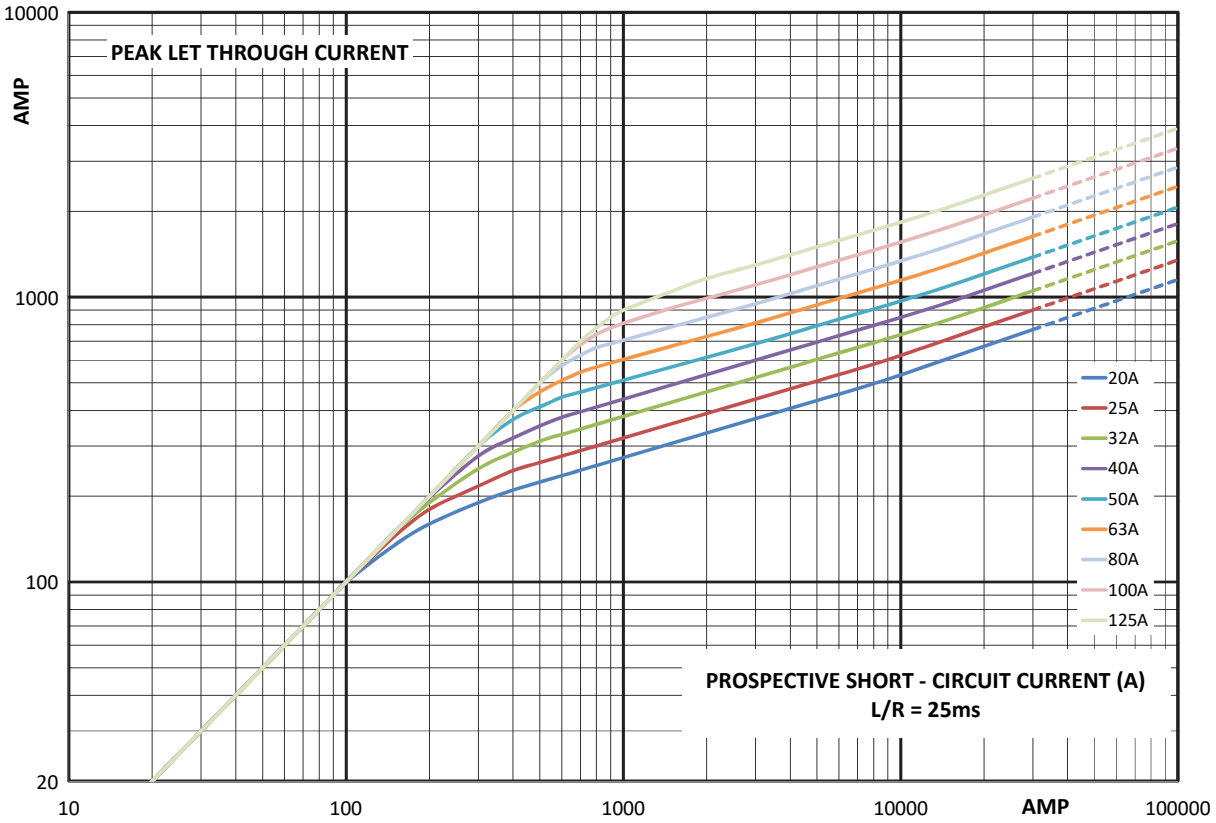


Data sheets: 170K4538 (10 A to 80 A), 170K4900 (20 A to 125 A)

Downloaded from Arrow.com.

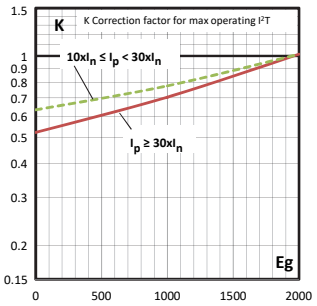
2000 V d.c. (IEC) - 10 A to 125 A - Size 1* - Square body fuse links - 170E

Cut-off curve - 20 A to 125 A



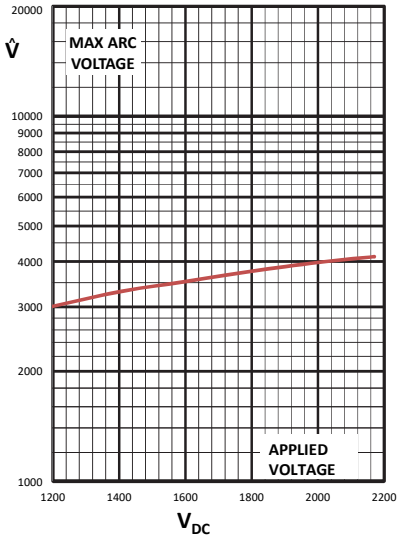
Total clearing I²t

The total clearing I²t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I²t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



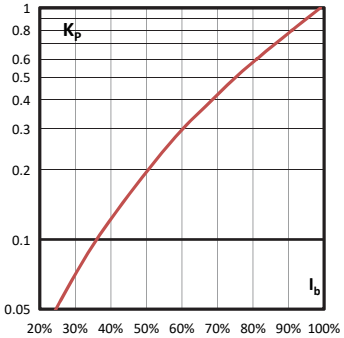
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.



Data sheets: 170K4538 (10 A to 80 A), 170K4900 (20 A to 125 A)

Downloaded from Arrow.com.

2000 V d.c. (IEC) - 20 A to 600 A - Square body fuse links - 170M

Description

Traction bolted tags square body high speed fuse links which provides superior protection for DC traction third rail applications up to 2000 V d.c.



Technical data

- Rated voltage: 2000 V d.c. (IEC)
- Rated current:
  - 20 A to 215 A Single slot tag
  - 160 A to 400 A Double slot tag
  - 500 A to 600 A Parallel double slot tag
- Breaking capacity:
  - 100 kA at 2000 V d.c., L/R <15ms
  - 100 kA at 1500 V d.c., L/R <45ms
- Operating class: aR

Standards / Agency information

Tested in line with IEC 60269

Catalogue numbers

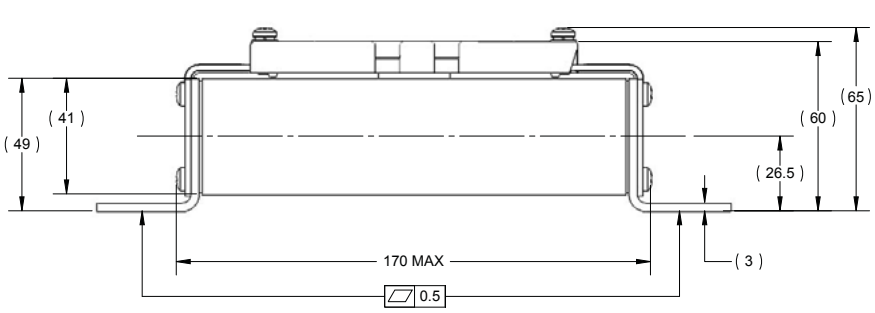
Fuse link type	Rated voltage	Rated current (Amps)	I^2t (A^2 Sec) Pre-arcing	Watts loss (W) Total at 2000 V d.c.	Watts loss (W) 0.8 I_n	Watts loss (W) I_n	Catalogue numbers
Single slot tag	2000 V d.c. (IEC) 1500 V d.c. (UL)	20	85	240	9	12	170M2046
		25	130	390	9	16	170M2047
		32	220	645	11	18	170M2048
		40	390	1140	12	20	170M2049
		50	610	1780	17	33	170M2050
		63	1030	3000	20	39	170M2051
		80	1555	4550	28	53	170M2052
		100	2680	7840	33	63	170M2053
		125	4110	12,020	42	79	170M2054
		160	6620	19,360	45	87	170M2055
		200	10,720	31,360	50	95	170M2056
		215	21,870	64,000	51	97	170M2057
Double slot tag	2000 V d.c. (IEC)	160	7900	42,000	68	91	170M2039
		200	12,300	66,000	85	113	170M2040
		250	21,900	120,000	100	133	170M2041
		315	38,900	210,000	119	158	170M2042
		400	65,700	350,000	148	176	170M2043
Parallel double slot tag	2000 V d.c. (IEC)	500	105,851	163,010	109	230	170M2044
		600	188,179	289,796	153	305	170M2045

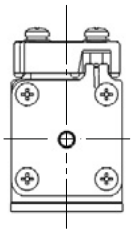
Data sheets: 720142, 5785522 (Single slot, 5785519 Double slot tag, 5785526 Parallel double slot tag)

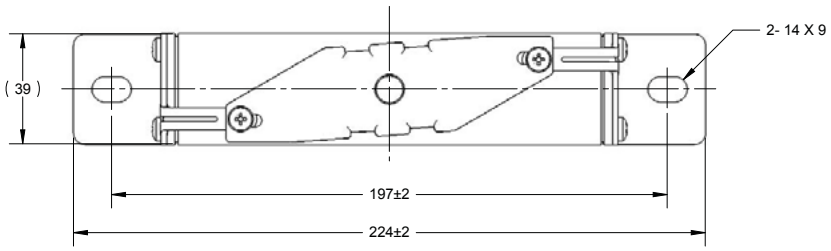
Downloaded from Arrow.com.

2000 V d.c. (IEC) - 20 A to 600 A - Square body fuse links - 170M

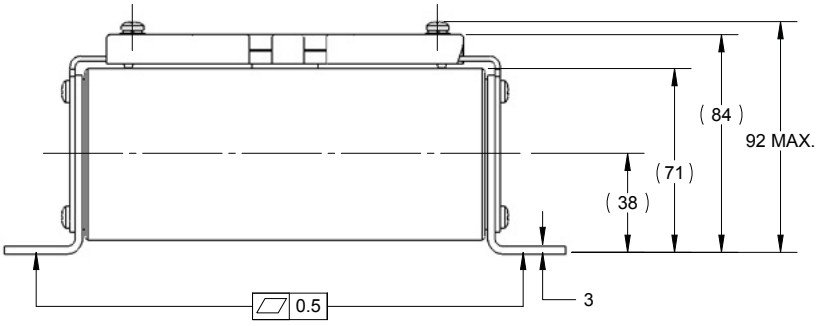
Dimensions (mm) - 170M2046 to 170M2057, Single slot tag

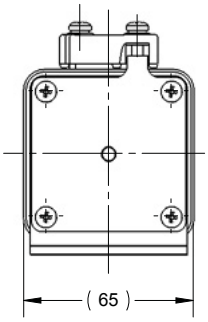


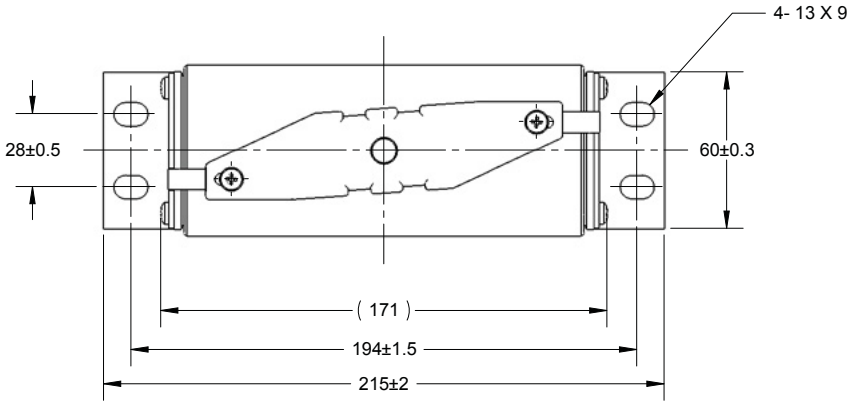




Dimensions (mm) - 170M2039 to 170M2043, Double slot tag





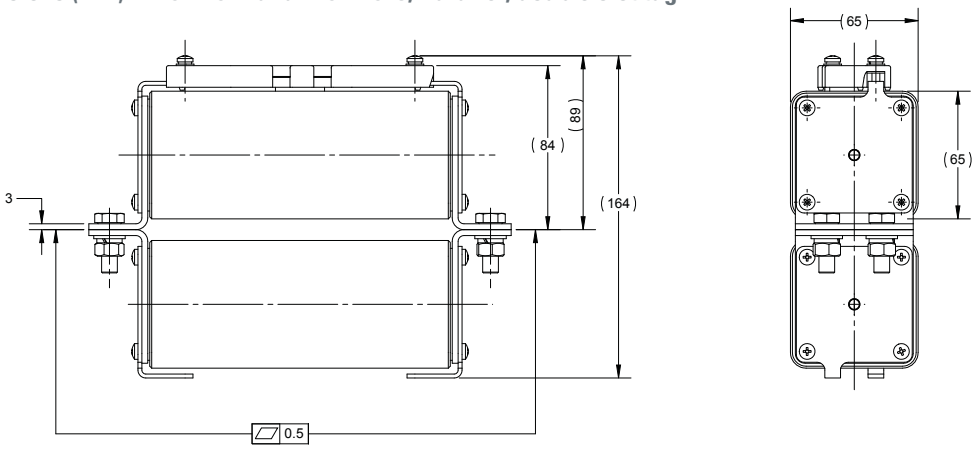


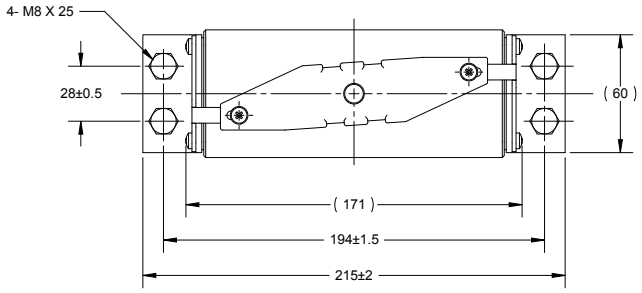
Data sheets: 720142, 5785522 (Single slot, 5785519 Double slot tag, 5785526 Parallel double slot tag)

Downloaded from Arrow.com.

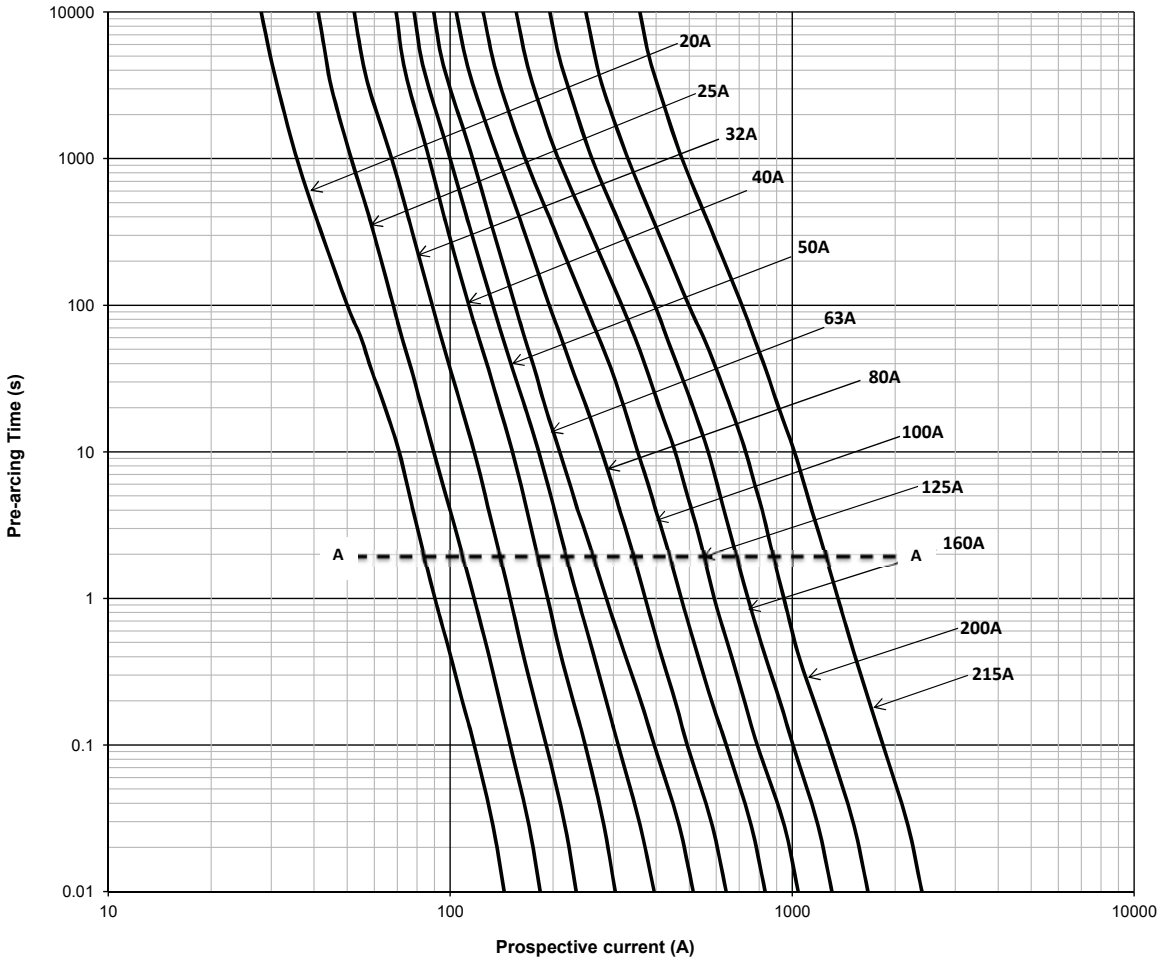
2000 V d.c. (IEC) - 20 A to 600 A - Square body fuse links - 170M

Dimensions (mm) - 170M2044 and 170M2045, Parallel, double slot tag





Time-current curve - 170M2046 to 170M2056, 20 A to 215 A

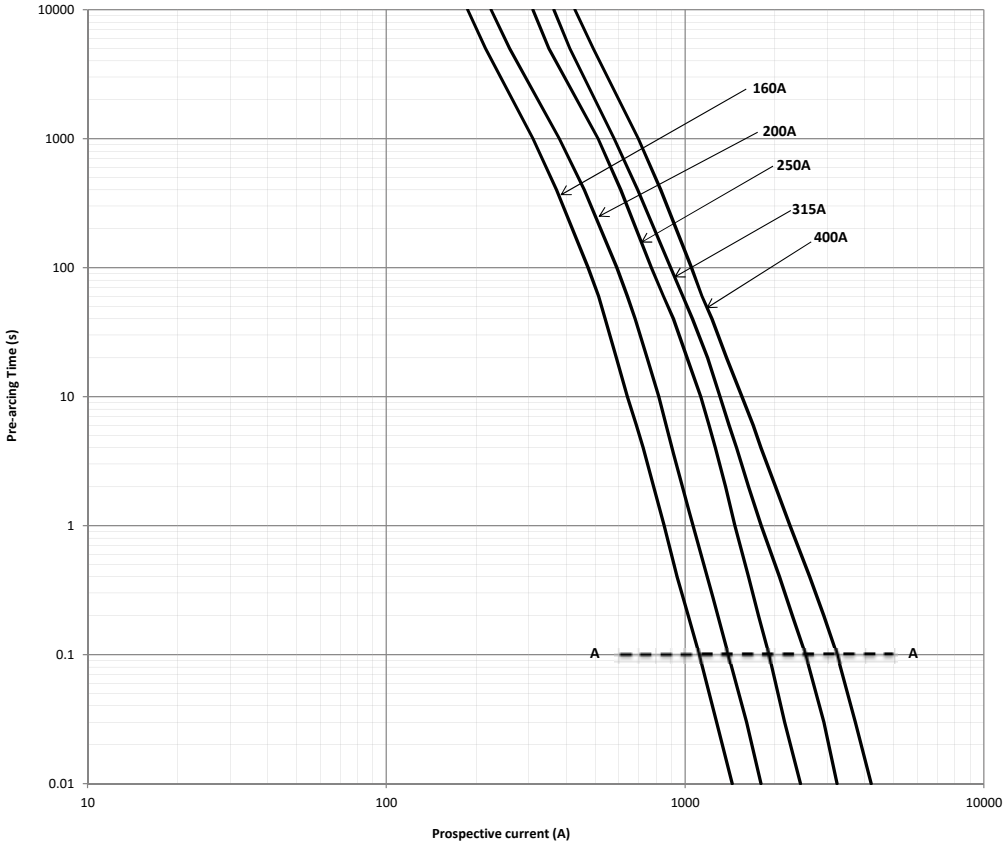


Data sheets: 720142, 5785522 (Single slot, 5785519 Double slot tag, 5785526 Parallel double slot tag)

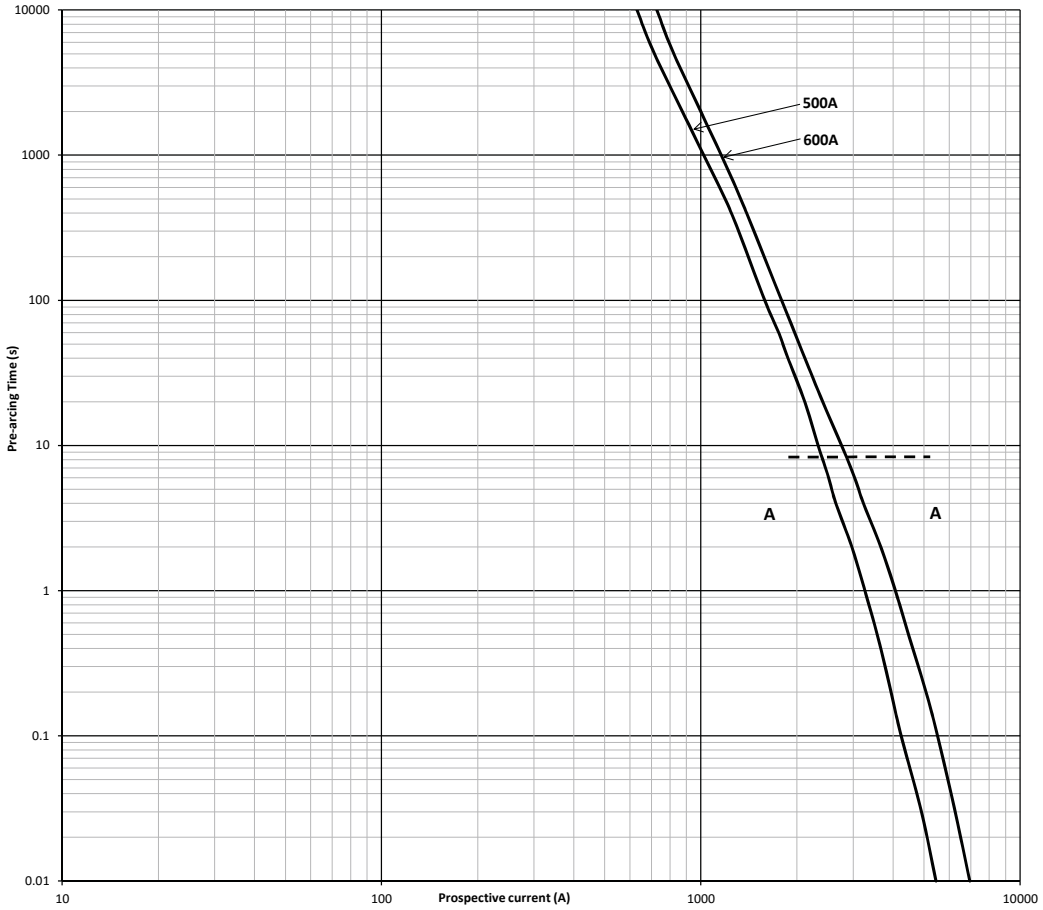
Downloaded from Arrow.com.

2000 V d.c. (IEC) - 20 A to 600 A - Square body fuse links - 170M

Time-current curve - 170M2039 to 170M2043, 160 A to 400 A



Time-current curve - 170M2044 to 170M2045, 500 A and 600 A



Data sheets: 720142, 5785522 (Single slot, 5785519 Double slot tag, 5785526 Parallel double slot tag)

Downloaded from Arrow.com.

2400 V d.c. (IEC), 100 A to 400 A - Size 3 - Square body fuse links - 170M

Description

Traction bolted tags square body high speed fuse links for superior protection of DC third rail applications up to 2400 V d.c.



Technical data

- Rated voltage: 2400 V d.c. (IEC)
- Rated current: 100 A to 400 A
- Tested breaking capacity:
  - 100 kA at 2400 V d.c., L/R < 15ms
  - 100 kA at 2000 V d.c., L/R < 45ms
- Operating class: aR

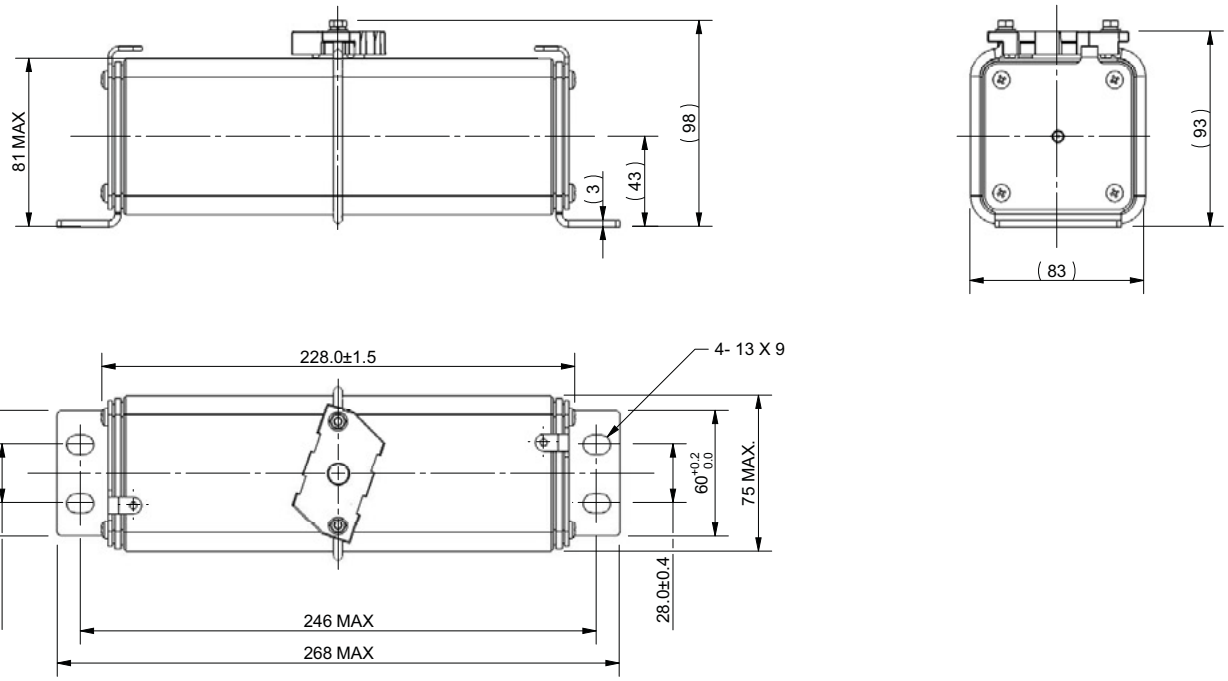
Standards / Agency information

Tested in line with IEC 60269

Catalogue numbers

Fuse link type	Fuse link body size	Rated voltage	Rated current (Amps)	I^2t (A^2 Sec) Pre-arcing	Watts loss (W) Total at 2000 V d.c.	Watts loss (W) 0.8 I_n	Watts loss (W) I_n	Catalogue numbers
Double slot tag	3	2400 V d.c. (IEC)	100	5468	15,457	20	39	170M2090
			160	16,427	46,439	43	84	170M2091
			200	25,667	72,561	53	97	170M2092
			250	36,960	104,488	60	103	170M2093
			315	66,977	189,346	82	162	170M2094
			350	87,480	247,309	89	175	170M2095
			400	110,717	313,000	103	203	170M2096

Dimensions (mm)

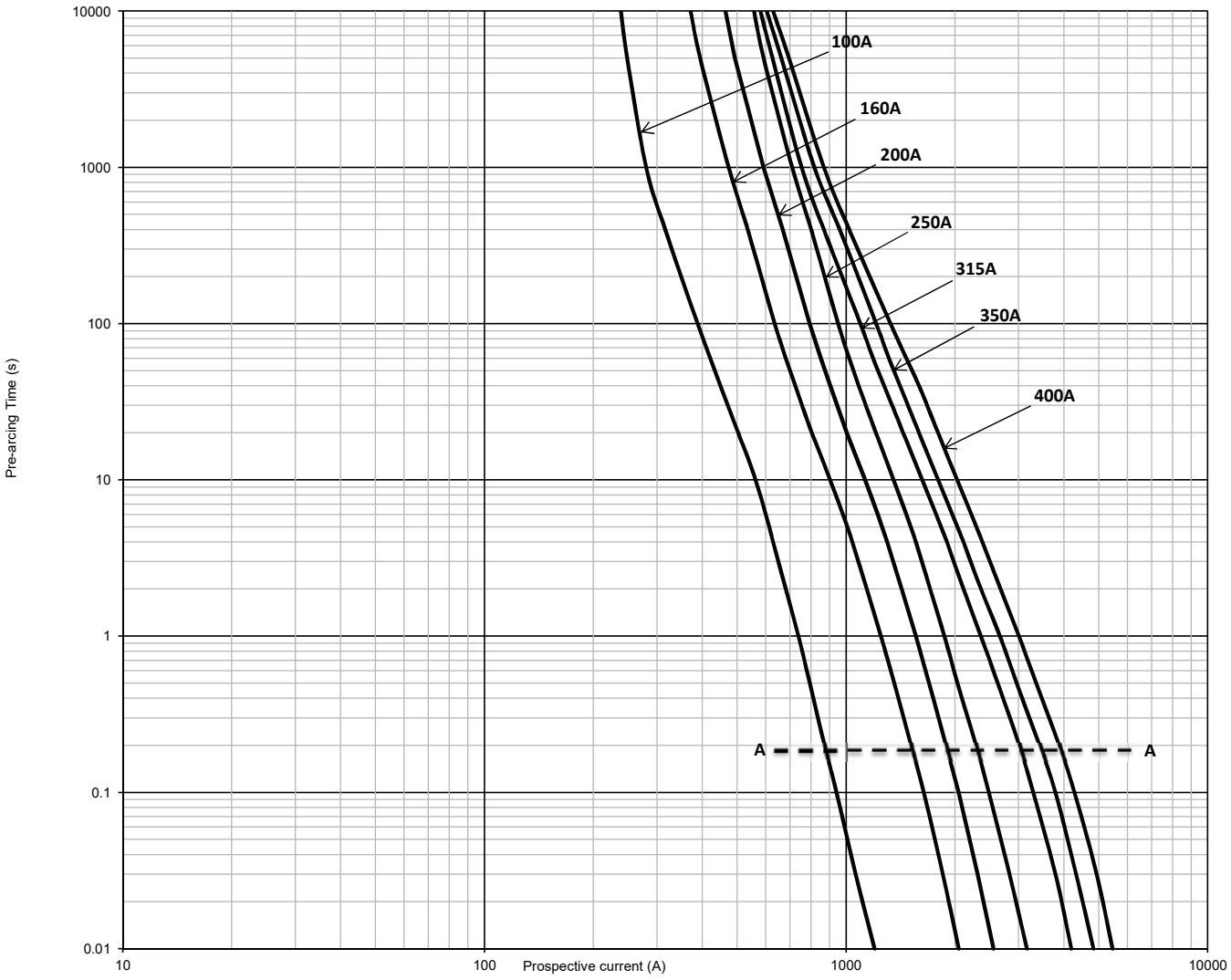


Data sheet: 720143, 5785520

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2400 V d.c. (IEC), 100 A to 400 A - Size 3 - Square body fuse links - 170M

Time-current curve - 100 A to 400 A



Data sheet: 720143, 5785520

Downloaded from Arrow.com.

4000 V d.c. (IEC) - 20 A to 125 A - Size 1* - Square body fuse links - 170E

Description

Traction bolted tags square body high speed fuse link for superior protection in DC traction applications up to 4000 V d.c.



Technical data

- Rated voltage: 4000 V d.c. (IEC)
- Rated current: 20 A to 125 A
- Tested breaking capacity: 50 kA at 4000 V d.c., L/R 10ms
- Operating class: aR

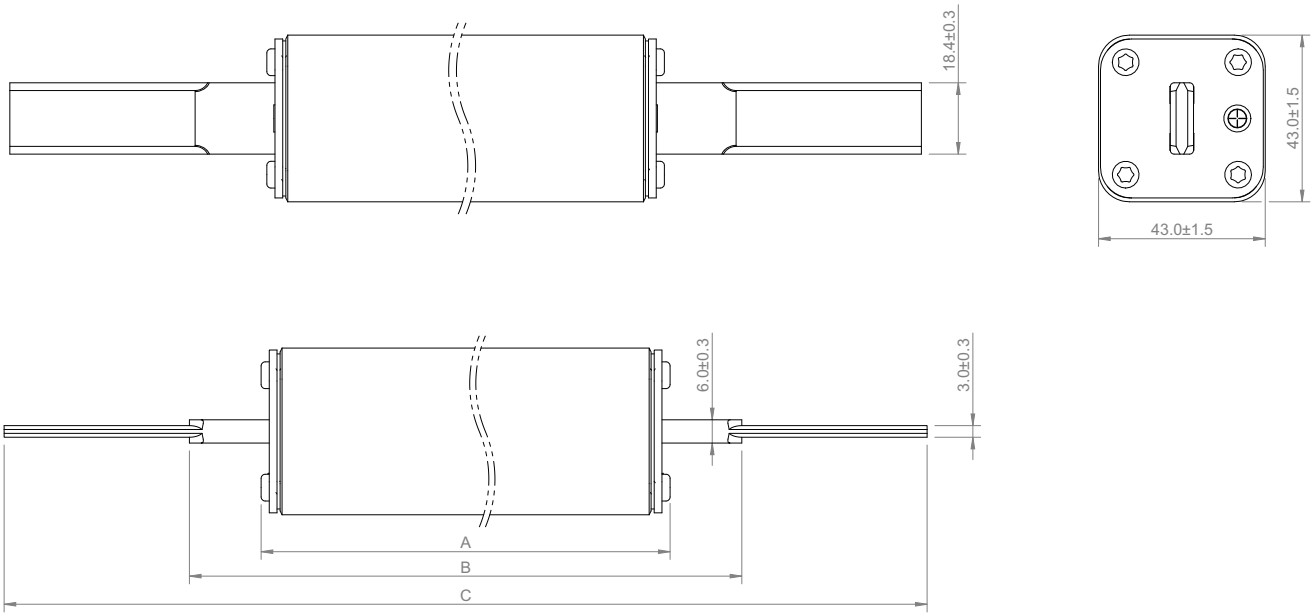
Standards / Agency information

Consult Eaton bulehighspeedtechnical@eaton.com

Catalogue numbers

Fuse link body size	Rated voltage	Rated current (Amps)	Watts loss (W)	Catalogue numbers
		20	23	170E3924
		25	28	170E3925
		32	34	170E3926
		40	45	170E3927
1*	4000 V d.c. (IEC)	50	57	170E3928
		63	72	170E3929
		80	91	170E3930
		100	114	170E3931
		125	143	170E3932

Dimensions (mm)

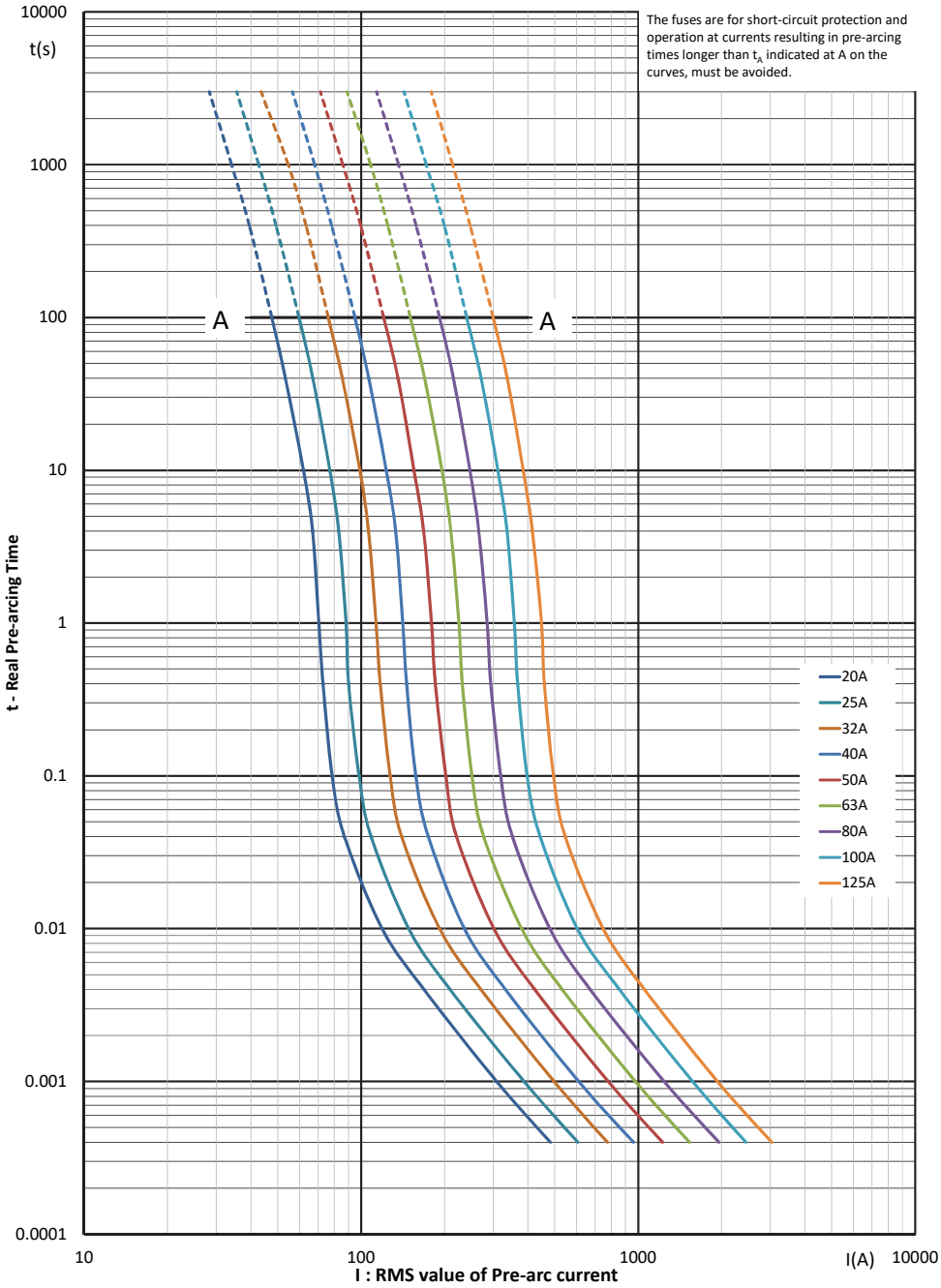


Data sheet: 170K6600

Downloaded from Arrow.com.

4000 V d.c. (IEC) - 20 A to 125 A - Size 1* - Square body fuse links - 170E

Time-current curve - 20 A to 125 A

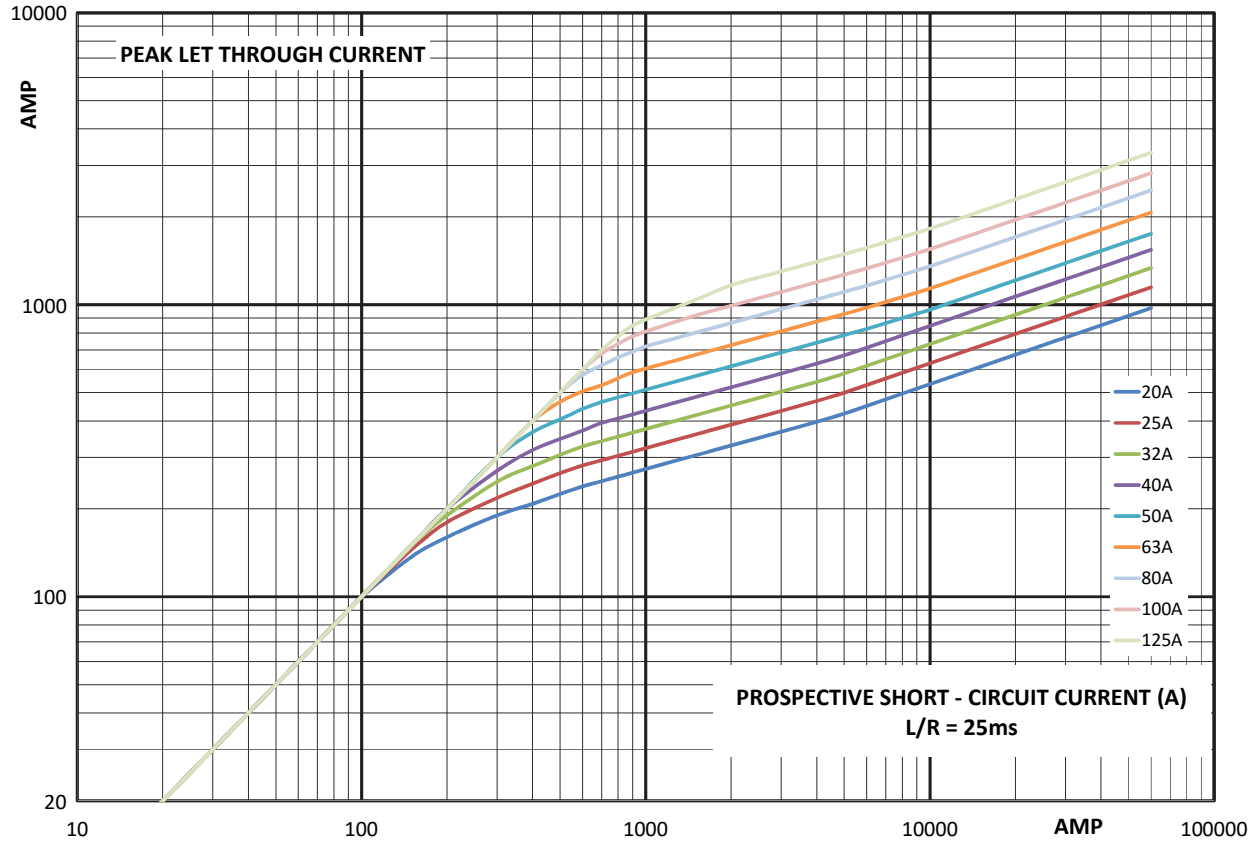


Data sheet: 170K6600

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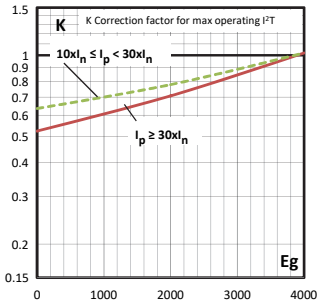
4000 V d.c. (IEC) - 20 A to 125 A - Size 1* - Square body fuse links - 170E

Cut-off curve - 20 A to 125 A



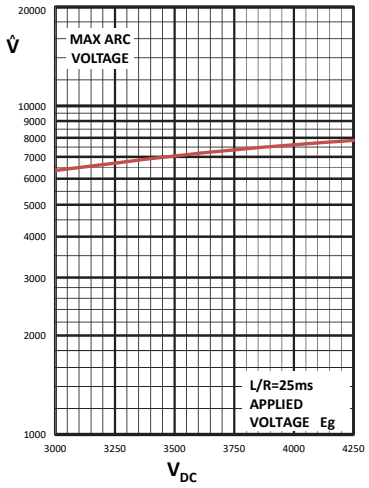
Total clearing I^2t

The total clearing I^2t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I^2t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



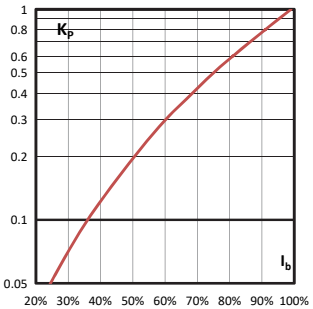
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p, is given as a function of the RMS load current, I_b, in percent of the rated current.



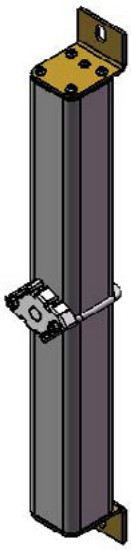
Data sheet: 170K6600

Downloaded from Arrow.com.

4000 V d.c. (IEC) - 20 A to 450 A - Sizes 1*, 2 and 2//2 - Square body fuse links - 170E

Description

Traction bolted tags square body high speed fuse link for superior protection in DC traction applications up to 4000 V d.c..



Technical data

- Rated voltage: 4000 V d.c. (IEC)
- Rated current: 20 A to 500 A
- Breaking capacity: 60 kA at 4000 V d.c., L/R 25ms
- Operating class: aR

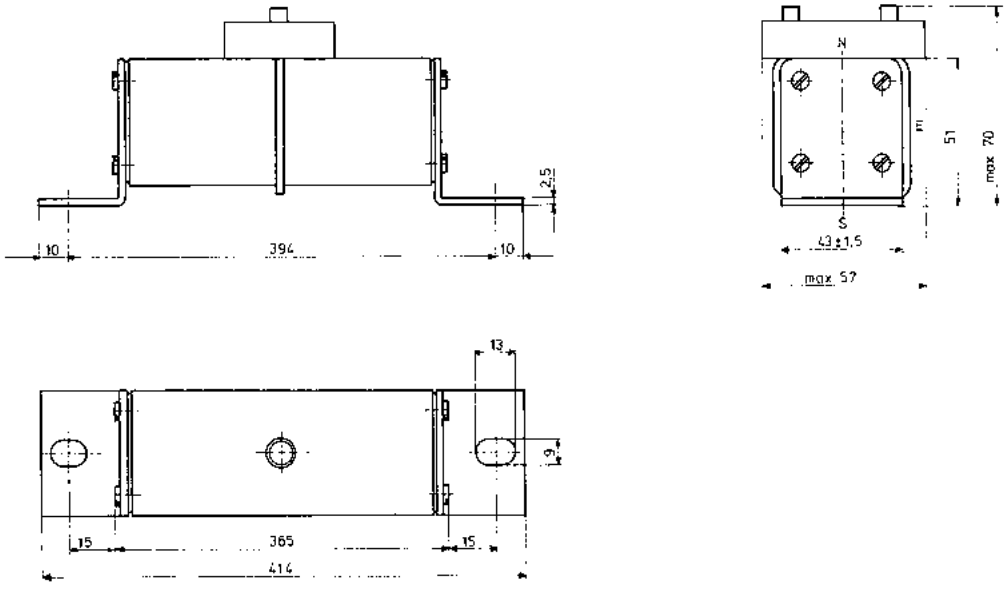
Standards / Agency information

Contact Eaton bulehighspeedtechnical@eaton.com

Catalogue numbers

Fuse link body size	Rated voltage	Rated current (Amps)	Watts loss (W)	Catalogue numbers
1*	4000 V d.c. (IEC)	20	23	170E3914
		25	28	170E3915
		32	34	170E3916
		40	45	170E3917
		50	57	170E3918
		63	72	170E3919
		80	91	170E3984
		100	114	170E3933
		125	143	170E3922
2	4000 V d.c. (IEC)	160	182	170E8882
		200	228	170E8883
		250	285	170E8884
2//2	4000 V d.c. (IEC)	315	360	170E8885
		350	400	170E8886
		400	455	170E8887
		450	515	170E8888
		500	600	170E8889

Dimensions (mm) - Size 1*

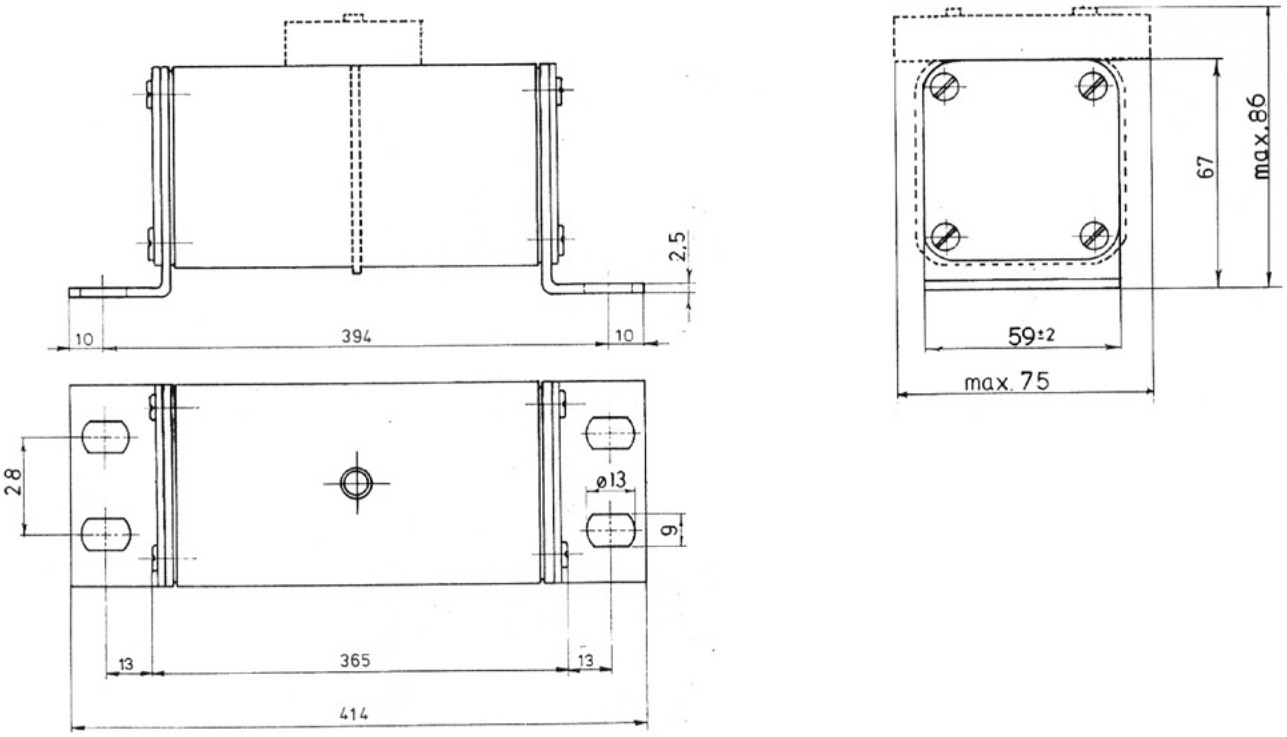


Data sheets: 1* 170K6600, 2 and 2//2 170K6604

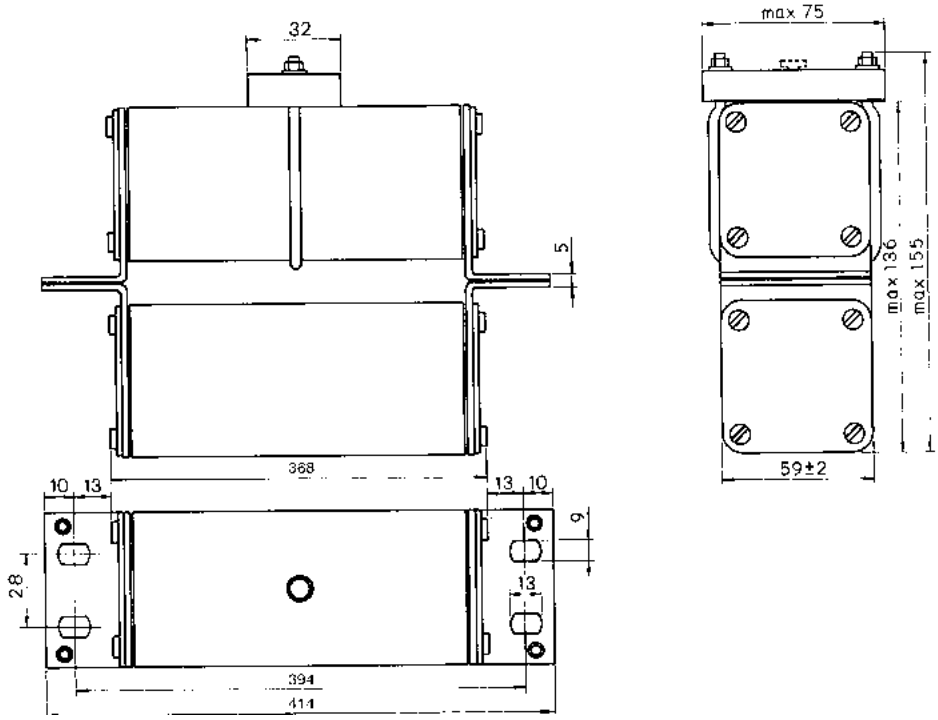
Downloaded from Arrow.com.

4000 V d.c. (IEC) - 20 A to 450 A - Sizes 1*, 2 and 2//2 - Square body fuse links - 170E

Dimensions (mm) - Size 2



Dimensions (mm) - Size 2/2

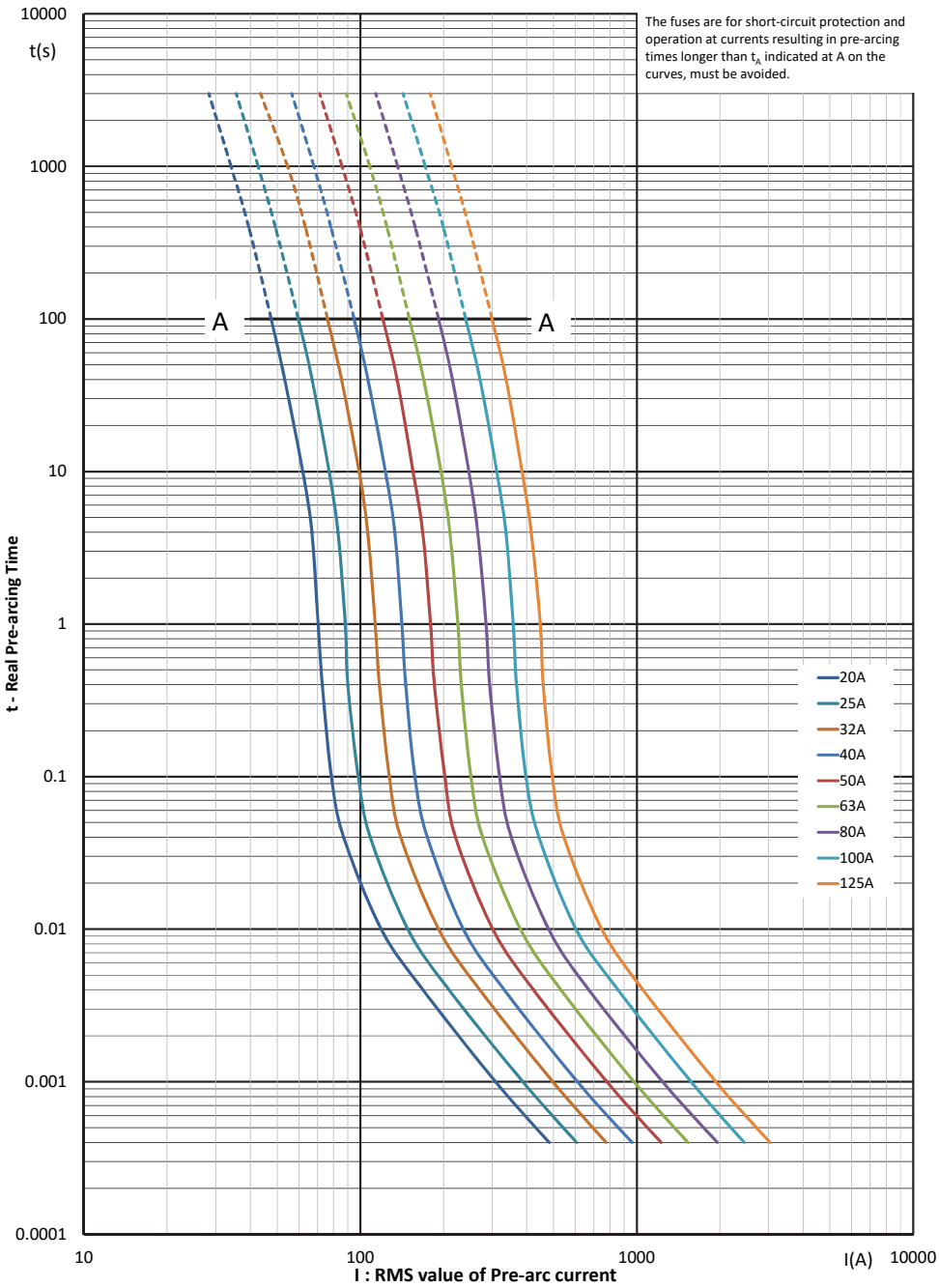


Data sheets: 1* 170K6600, 2 and 2//2 170K6604

Downloaded from Arrow.com.

4000 V d.c. (IEC) - 20 A to 450 A - Sizes 1*, 2 and 2//2 - Square body fuse links - 170E

Time-current curve - Size 1*, 20 A to 125 A

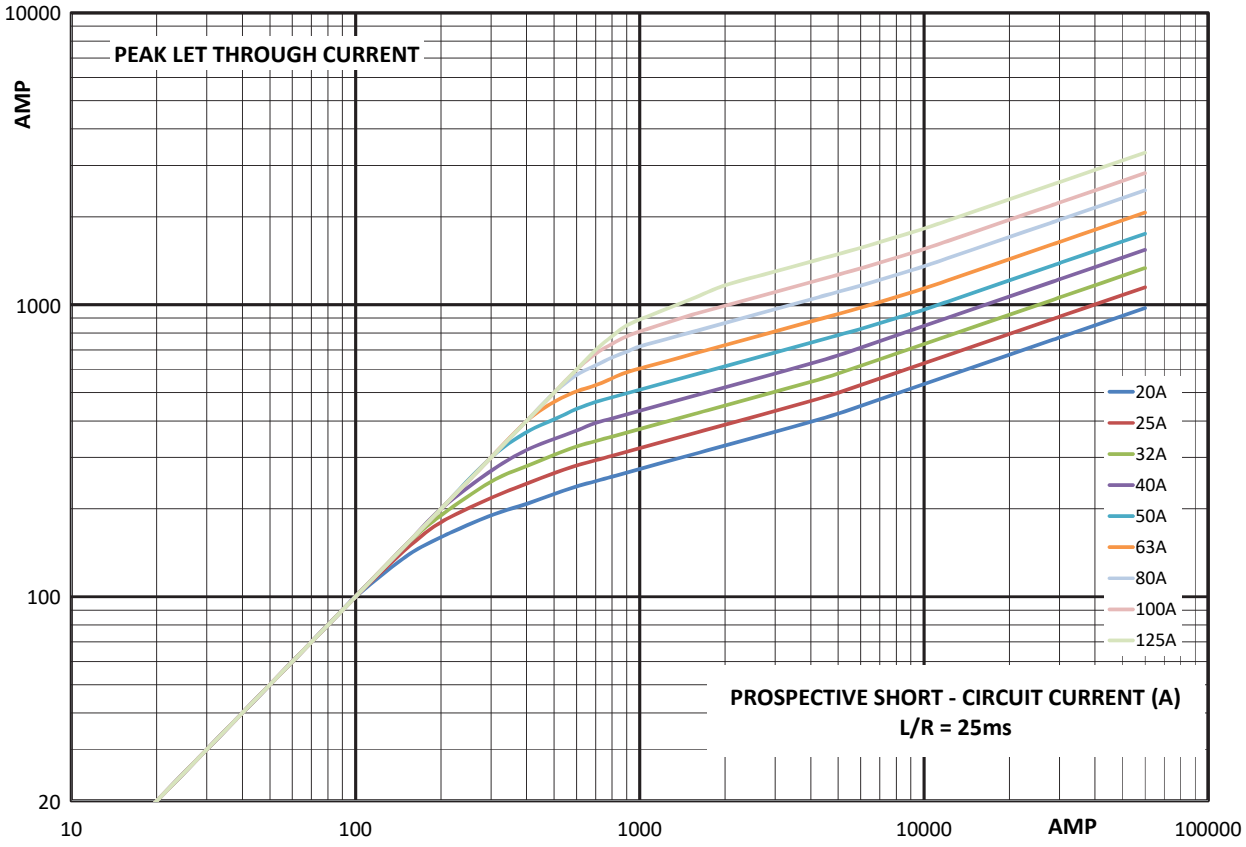


Data sheets: 1* 170K6600, 2 and 2//2 170K6604

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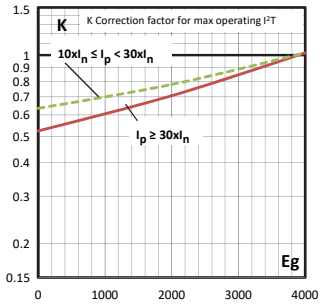
4000 V d.c. (IEC) - 20 A to 450 A - Sizes 1*, 2 and 2//2 - Square body fuse links - 170E

Cut-off curve - Size 1*, 20 A to 125 A



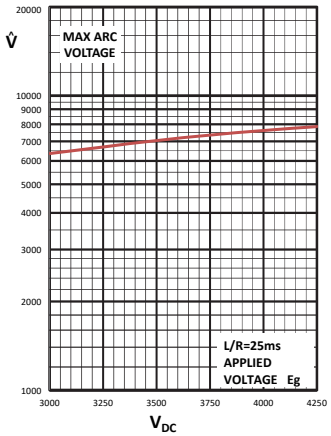
Total clearing I²t

The total clearing I²t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I²t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



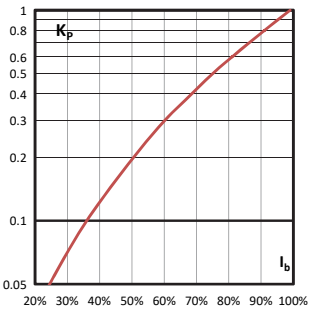
Arc voltage

This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.

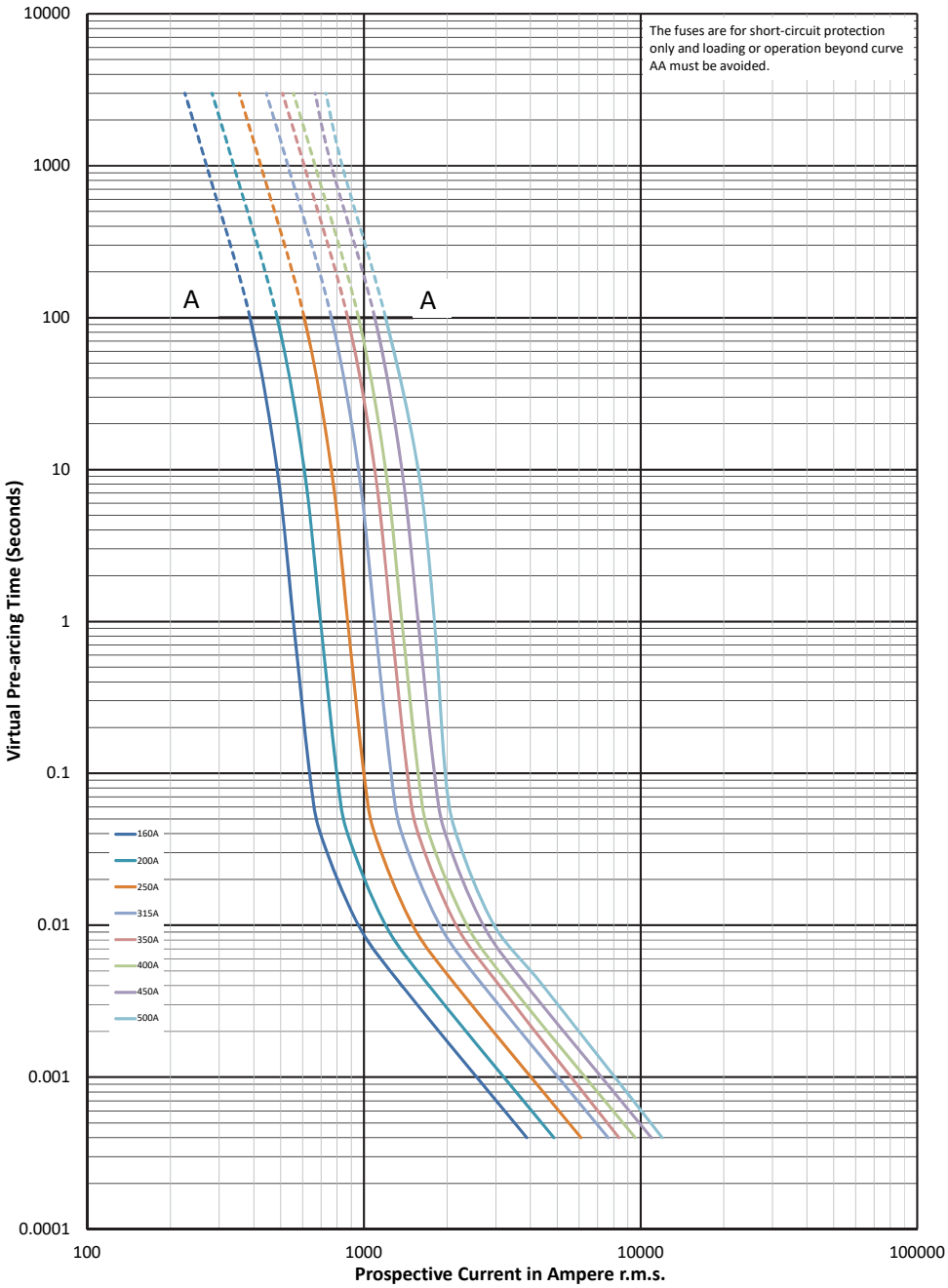


Data sheets: 1* 170K6600, 2 and 2//2 170K6604

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4000 V d.c. (IEC) - 20 A to 450 A - Sizes 1*, 2 and 2//2 - Square body fuse links - 170E

Time-current curve - Sizes 2 and 2//2, 160 A to 500 A

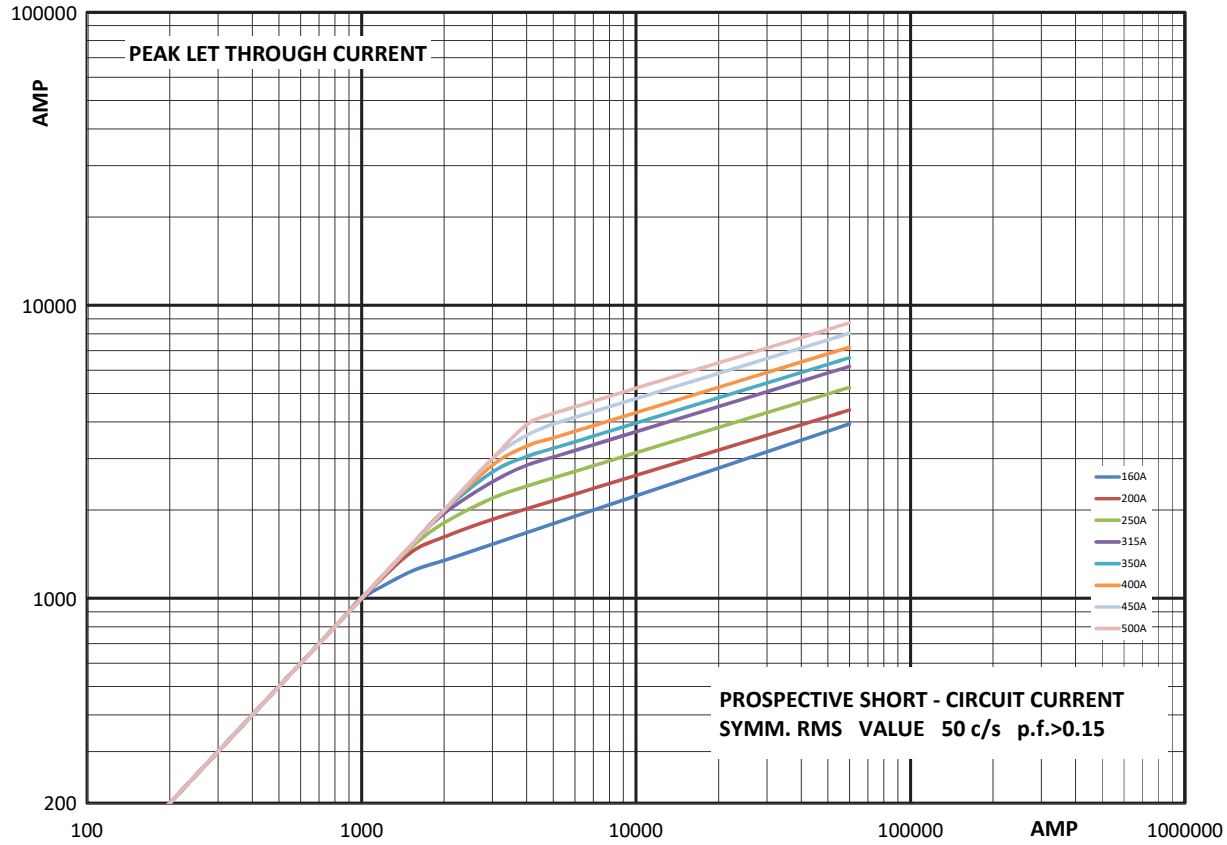


Data sheets: 1* 170K6600, 2 and 2//2 170K6604

Downloaded from Arrow.com.

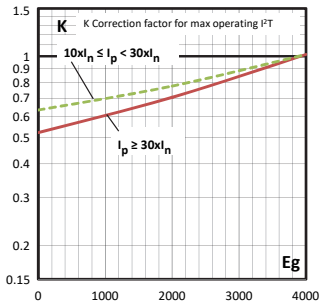
4000 V d.c. (IEC) - 20 A to 450 A - Sizes 1*, 2 and 2//2 - Square body fuse links - 170E

Cut-off curve - Sizes 2 and 2/2, 160 A to 500 A



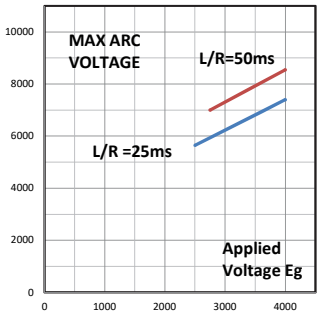
Total clearing I²t

The total clearing I²t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I²t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



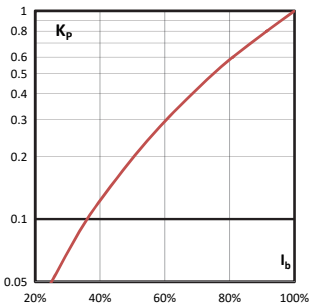
Arc voltage

This curve gives the peak arc voltage, $U_{L'}$ which may appear across the fuse during its operation as a function of the applied working voltage, $E_{g'}$ (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in percent of the rated current.



Data sheets: 1* 170K6600, 2 and 2//2 170K6604

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750 V d.c. (IEC), 5 A to 60 A - 20 x 127 and 25 x 146 mm - Ferrule fuse links - FWK

Description

Ferrule high speed fuse links for light rail applications in auxiliary power and distribution equipment.



Technical data

- Rated voltage: 750 V d.c. (IEC)
- Rated current:
  - 5 A to 30 A (20 x 127 mm)
  - 35 A to 60 A (25 x 146 mm)
- Breaking capacity: 50 kA at 750 V d.c., L/R 10-15ms
- Operating class: gG

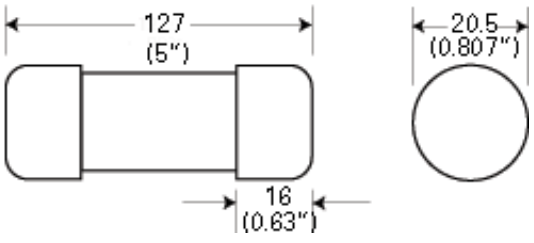
Standards / Agency information

Tested in line with IEC 60269

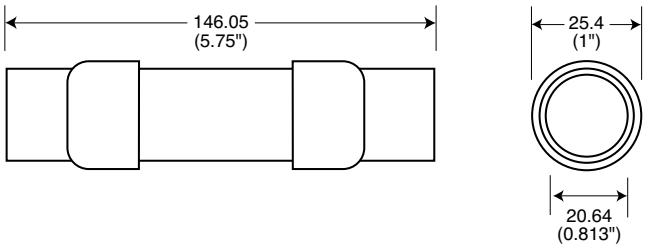
Catalogue numbers

Fuse link size	Rated voltage	Rated current (Amps)	I^2t (A^2 Sec) Pre-arcing	I^2t (A^2 Sec) Clearing at 750 V d.c.	Watts loss (W)	Catalogue numbers
20 x 127 mm (13/18" x 5")	750 V d.c. (IEC)	5	8.5	16	6.7	FWK-5A20F
		8	50	100	8.8	FWK-8A20F
		10	95	200	8.5	FWK-10A20F
		15	100	240	5	FWK-15A20F
		20	125	315	7.8	FWK-20A20F
		25	400	1100	6.5	FWK-25A20F
		30	800	2600	6.5	FWK-30A20F
25 x 146 mm (1" x 5¾")	750 V d.c. (IEC)	35	1300	4300	6	FWK-35A25F
		40	1600	5300	6.8	FWK-40A25F
		50	3100	12000	7.3	FWK-50A25F
		60	5900	24000	7.7	FWK-60A25F

Dimensions mm (in) - 5 A to 30 A



Dimensions mm (in) - 35 A to 60 A



Data sheets: 720039, 5785454

Downloaded from Arrow.com.

750 V d.c. (IEC) - 30 A to 50 A - LRC750 - Ferrule fuse links

Description

Ferrule high speed fuse links for light rail applications in auxiliary power and distribution equipment. Also suitable for heavy rails applications in instrumentation and control circuits equipment.



Technical data

- Rated voltage: 750 V d.c. (IEC)
- Rated current: 30 A to 50 A
- Breaking capacity: 50 kA at 750 V d.c., L/R 15-20ms
- Operating class: gR

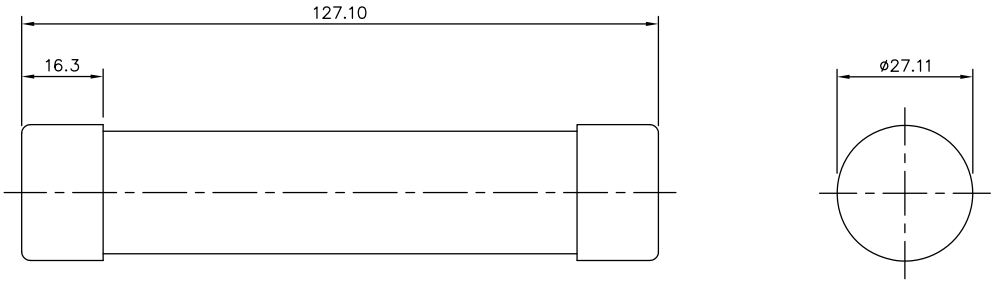
Standards / Agency information

Tested in line with IEC 60269

Catalogue numbers

Fuse link type	Rated voltage	Rated current (Amps)	I^2t (A^2 Sec) Pre-arcing	I^2t (A^2 Sec) Clearing at 750 V d.c.	Watts loss (W)	Catalogue numbers
LRC750	750 V d.c. (IEC)	30	700	2250	4.5	30LRC750
		40	1800	5300	5.8	40LRC750
		50	3100	12000	9.4	50LRC750

Dimensions (mm)



Data sheets: 5785132

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Traction fuse links Ferrule

1200-1400-2000 V a.c. (IEC), 1000 V d.c. (IEC) - 2 A to 30 A - 20 x 127 mm - Ferrule fuse links -FWL and FWS

Description

Ferrule high speed fuse links for light rail applications in auxiliary power and distribution equipment.



Technical data

- Rated voltage:
  - FWL: 1200 V a.c. (IEC) / 1000 V d.c.
  - FWS: 2000 V a.c. / 1000 V d.c. (IEC, 2 A to 8 A)
    1400 V a.c. / 1000 V d.c. (IEC 10 A to 15 A)
- Rated current: 2 A to 30 A
- Breaking capacity: 50 kA at 1000 V d.c., L/R 15ms
- Operating class: gG

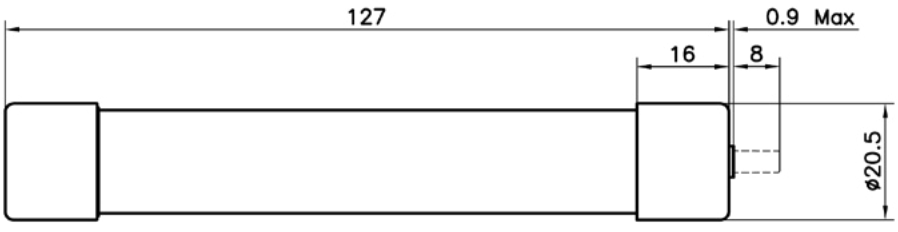
Standards / Agency information

Consult Eaton bulehighspeedtechnical@eaton.com

Catalogue numbers

			I^2t (A^2 Sec)			Catalogue numbers	
Fuse link size	Rated voltage	Rated current (Amps)	Pre-arcing	Clearing at 1000 V d.c.	Watts loss (W)	Without indicator	With indicator
20 x 127 mm ($^{13}/_{16}$" x 5)	2000 V a.c./ 1000 V d.c. (IEC)	2	0.8	2.4	4.4	FWS-2A20F	FWS-2A20FI
		6	27	81	6.7	FWS-6A20F	FWS-6A20FI
		8	64	192	7.6	FWS-8A20F	FWS-8A20FI
	1400 V a.c./ 1000 V d.c. (IEC)	10	118	277	3.0	FWS-10A20F	FWS-10A20FI
		12	170	380	3.4	FWS-12A20F	FWS-12A20FI
		15	209	500	5.0	FWS-15A20F	FWS-15A20FI
20 x 127 mm ($^{13}/_{16}$" x 5)	1200 V a.c./ 1000 V d.c. (IEC)	20	675	1550	5.9	FWL-20A20F	FWL-20A20FI
		25	1200	2760	6.5	FWL-25A20F	FWL-25A20FI
		30	1850	4300	7.5	FWL-30A20F	FWL-30A20FI

Dimensions (mm)



Data sheets: 720040, 5785455

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750 V d.c. (IEC) - 5 A to 60 A - Round body fuse links - KC36

Description

Ferrule high speed fuse links for light rail applications in auxiliary power and distribution equipment. Also suitable for heavy rails applications in instrumentation and control circuits equipment.



Technical data

- Rated voltage: 750 V d.c. (IEC)
- Rated current: 5 A to 60 A
- Breaking capacity: 50 kA at 750 V d.c., L/R 15-20ms
- Operating class: gR

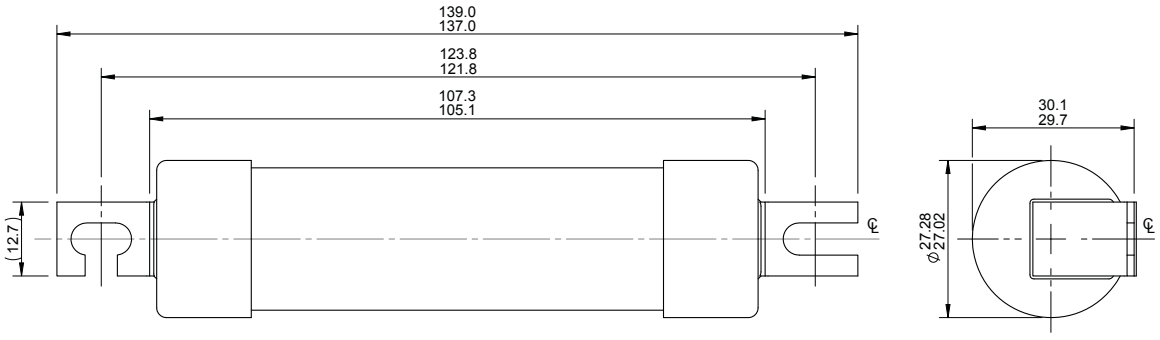
Standards / Agency information

Tested in line with IEC 60269

Catalogue numbers

Fuse link type	Rated voltage	Rated current (Amps)	I^2t (A^2 Sec) Pre-arcing	I^2t (A^2 Sec) Clearing at 750 V d.c.	Watts loss (W)	Catalogue numbers
KC36	750 V d.c. (IEC)	5	8.5	16	6.7	5KC36
		8	50	100	8.8	8KC36
		10	95	200	8.5	10KC36
		15	100	240	5	15KC36
		20	125	315	7.8	20KC36
		25	400	1100	6.5	25KC36
		30	800	2600	6.5	30KC36
		35	1300	4300	6	35KC36
		40	1600	5300	6.8	40KC36
		50	3100	12,000	7.3	50KC36
		60	5900	24,000	7.7	60KC36

Dimensions (mm)



Data sheet:5785049

Downloaded from Arrow.com.

750 V d.c. (IEC) - 200 A to 400 A - Round body fuse links - RC

Description

Round bodied bolted tags high speed traction fuse links which provides protection for DC traction third rail applications.



Technical data

- Rated voltage: 750 V d.c. (IEC)
- Rated current: 200 A to 400 A
- Breaking capacity: Consult Eaton bulehighspeedtechnical@eaton.com
- Operating class: gG

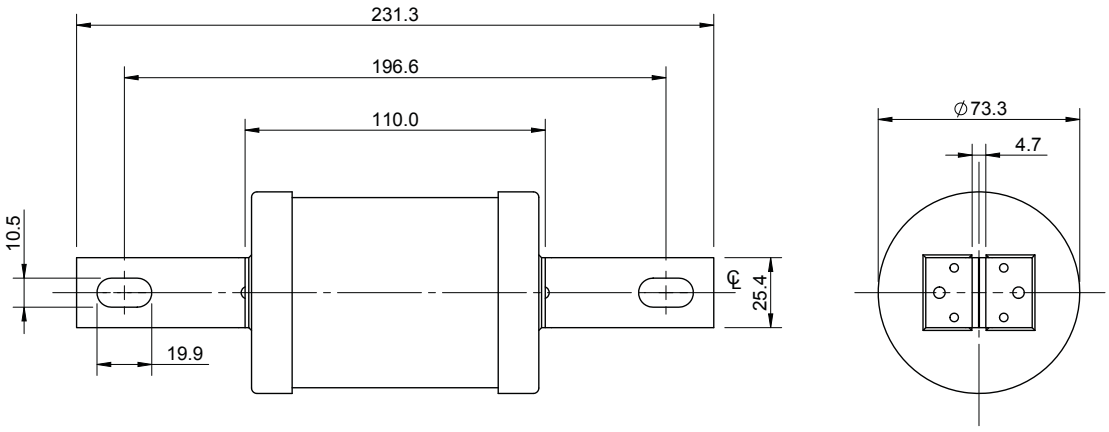
Standards / Agency information

Consult Eaton bulehighspeedtechnical@eaton.com

Catalogue numbers

Rated voltage	Rated current (Amps)	I²t (A²s)	Watts loss (W)	Catalogue numbers
750 V d.c. (IEC)	200	85,000	31	200RC
	250	225,000	33	250RC
	300	340,000	37	300RC
	350	530,000	41	350RC
	400	765,000	48	400RC

Dimensions (mm)



Data sheet: 5785107

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1500 V d.c. (IEC) - 25 A to 200 A - Round body fuse links - NBC

Description

A range of round body bolted tags high speed fuse links for heavy rail applications such as auxiliary and distribution equipment.



Technical data

- Rated voltage: 1500 V d.c. (IEC)
- Rated current: 25 A to 200 A
- Breaking capacity: Consult Eaton for interrupting rating and time constant capabilities.
- Operating class: gR

Standards / Agency information

Consult Eaton bulehighspeedtechnical@eaton.com

Catalogue numbers

Fuse link type	Rated voltage	Rated current (Amps)	Catalogue numbers
NBC	1500 V d.c. (IEC)	25	NBC-25
		60	NBC-60
		70	NBC-70
		100	NBC-100
		150	NBC-150
		200	NBC-200

Consult Eaton bulehighspeedtechnical@eaton.com.for dimensions drawings:

25 and 60 Amps: BU-NBC-25-60

70 and 100 Amps: BU-NBC-70-100

150 and 200 Amps: BU-NBC-150 and 200

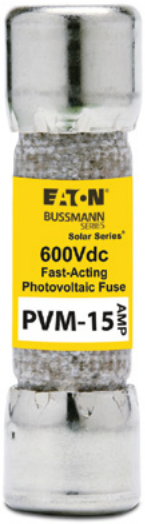
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Photovoltaic fuse links, fuse bases and holders

600 V d.c. (UL) - 4 A to 30 A - 10 x 38 mm - PVM

Description

A range of UL 2579 fast-acting 600 V d.c. midget fuse links specifically designed to protect solar power systems in extreme ambient temperature, high cycling and low level fault Rated current conditions (reverse rated current, multi-array fault).



Technical data

- Rated voltage: 600 V d.c. to UL 2579
- Rated current: 4 A to 30 A
- Breaking capacity: 50 kA DC (4 A to 30 A)

Compatible fuse holder

CHPV

Standards / Agency information

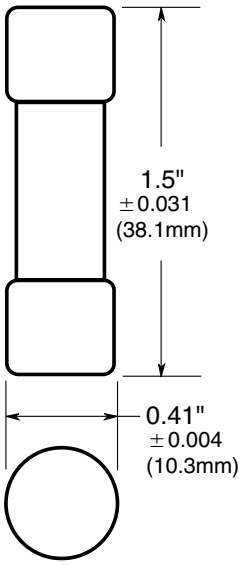
UL Listed 2579, Guide JFGA, File E335324, CSA Component Certified C22.2

Catalogue numbers

Rated voltage	Rated current (Amps)	Power Loss (W) 0.8 x I_n	Power Loss (W) 1 x I_n	Catalogue numbers
600 V d.c. (UL)	4			PVM-4
	5			PVM-5
	6			PVM-6
	7			PVM-7
	8			PVM-8
	9			PVM-9
	10	1	1.9	PVM-10
	12			PVM-12
	15	1	1.7	PVM-15
	20			PVM-20
	25			PVM-25
	30	1.6	2.9	PVM-30

Please contact FUSETECH@eaton.com for further information

Dimensions in (mm)

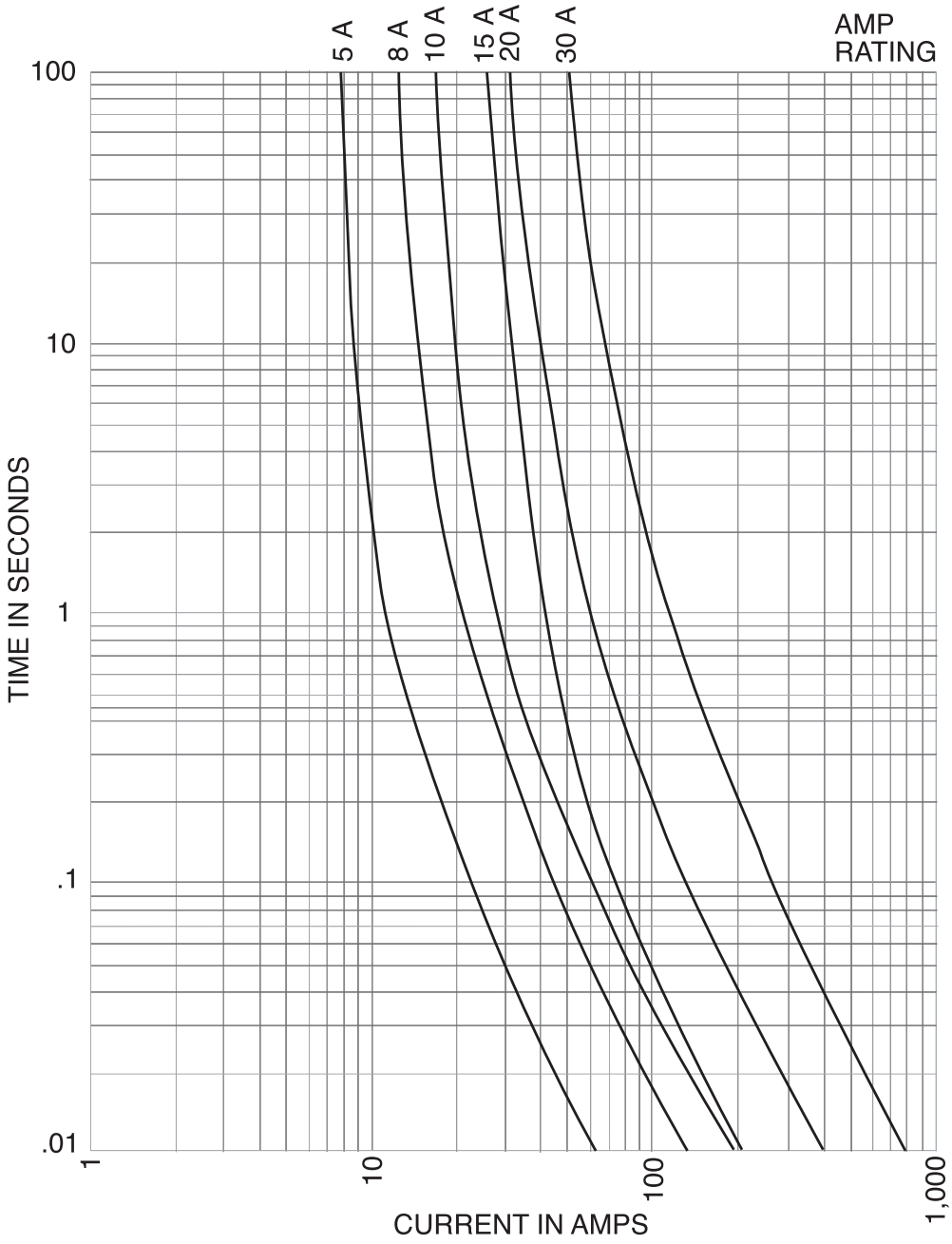


Data sheet: 2153

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600 V d.c. (UL) - 4 A to 30 A - 10 x 38 mm - PVM

Time-current curve - 5 A to 30 A



Please contact FUSETECH@eaton.com for further information

Data sheet: 2153

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Photovoltaic fuse links, fuse bases and holders

1000 V d.c. (IEC/UL) - 1 A to 20 A - 10 x 38 MM - PV-A10

Description

A range of fuse links in a 10 x 38 mm package specifically designed for the protection and isolation of photovoltaic strings. The fuse links are capable of interrupting low over rated currents associated with faulted PV (reverse rated current, multi-array fault) string arrays.



Technical data

- Rated voltage: 1000 V d.c. (IEC/UL)
- Rated current: 1 A to 20 A
- Breaking capacity: 50 kA
- Operating class: gPV and UL PV fuse links

Compatible fuse holder

CHPV

Standards / Agency information

IEC 60269-6, UL Recognised 2579 (File number E335324), CSA, CCC (1-15A), RoHS compliant.

Catalogue numbers - Cylindrical and bolt fixing fuse links

		I^2t (A^2 Sec)		Watts loss (W)		Catalogue numbers	
Rated voltage	Rated current (Amps)	Pre-arcing	Total at 1000 V d.c.	0.8 I_n	I_n	Cylindrical	Bolt fixing
1000 V d.c. (UL/IEC)	1	0.2	0.4	0.8	1.5	PV-1A10F	PV-1A10-T
	2	1.2	4	0.6	1.0	PV-2A10F	PV-2A10-T
	2.5	3	9	0.6	1.0	PV-2-5A10F	PV-2-5A10-T
	3	4	11	0.8	1.3	PV-3A10F	PV-3A10-T
	3.5	6.6	18	0.9	1.4	PV-3-5A10F	PV-3-5A10-T
	4	9.5	26	1.0	1.5	PV-4A10F	PV-4A10-T
	5	19	50	1.0	1.6	PV-5A10F	PV-5A10-T
	6	30	90	1.1	1.8	PV-6A10F	PV-6A10-T
	8	3	32	1.2	2.1	PV-8A10F	PV-8A10-T
	10	7	70	1.2	2.3	PV-10A10F	PV-10A10-T
	12	12	120	1.5	2.7	PV-12A10F	PV-12A10-T
	15	15	160	1.7	2.9	PV-15A10F	PV-15A10-T
	16	19	200	1.8	3	PV-16A10F	PV-16A10-T
	20	34	350	2.1	3.6	PV-20A10F	PV-20A10-T

Data sheet: 720110

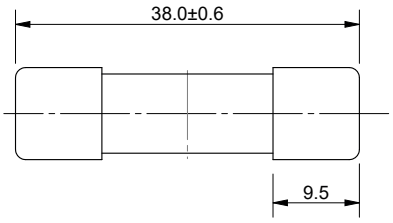
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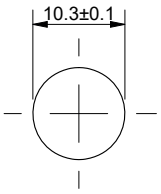
1000 V d.c. (IEC/UL) - 1 A to 20 A - 10 x 38 MM - PV-A10

Catalogue numbers - PCB fixing fuse links

Rated voltage	Rated current (Amps)	I^2t (A^2 Sec) Pre-arcing	I^2t (A^2 Sec) Total at 1000 V d.c.	Watts loss (W) 0.8 I_n	Watts loss (W) I_n	Catalogue numbers PCB fixing single pin	Catalogue numbers PCB fixing double pin	Catalogue numbers PCB fixing double pin silver cap
1000 V d.c. (UL/IEC)	1	0.2	0.4	0.8	1.5	PV-1A10-1P	PV-1A10-2P	PV-1A10-2P-S
	2	1.2	4	0.6	1.0	PV-2A10-1P	PV-2A10-2P	PV-2A10-2P-S
	2.5	3	9	0.6	1.0	PV-2-5A10-1P	PV-2-5A10-2P	PV-2-5A10-2P-S
	3	4	11	0.8	1.3	PV-3A10-1P	PV-3A10-2P	PV-3A10-2P-S
	3.5	6.6	18	0.9	1.4	PV-3-5A10-1P	PV-3-5A10-2P	PV-3-5A10-2P-S
	4	9.5	26	1.0	1.5	PV-4A10-1P	PV-4A10-2P	PV-4A10-2P-S
	5	19	50	1.0	1.6	PV-5A10-1P	PV-5A10-2P	PV-5A10-2P-S
	6	30	90	1.1	1.8	PV-6A10-1P	PV-6A10-2P	PV-6A10-2P-S
	8	3	32	1.2	2.1	PV-8A10-1P	PV-8A10-2P	PV-8A10-2P-S
	10	7	70	1.2	2.3	PV-10A10-1P	PV-10A10-2P	PV-10A10-2P-S
	12	12	120	1.5	2.7	PV-12A10-1P	PV-12A10-2P	PV-12A10-2P-S
	15	15	160	1.7	2.9	PV-15A10-1P	PV-15A10-2P	PV-15A10-2P-S
	16	19	200	1.8	3	PV-16A10-1P	PV-16A10-2P	PV-16A10-2P-S
	20	34	350	2.1	3.6	PV-20A10-1P	PV-20A10-2P	PV-20A10-2P-S

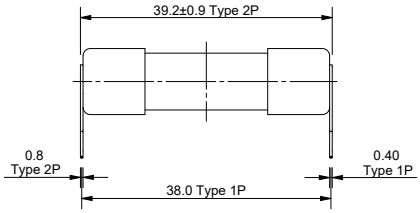
Dimensions (mm) - PV-**A10F, Cylindrical



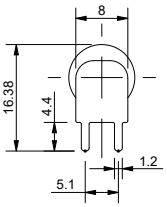




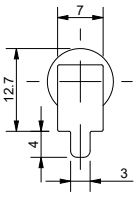
Dimensions (mm) - PV-**A10-xP, PCB fixing



(PV-**A10-2P)

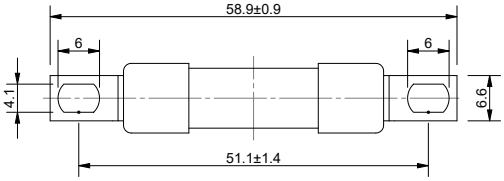


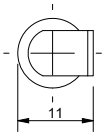
(PV-**A10-1P)





Dimensions (mm) - PV-**A10-T, Bolt fixing







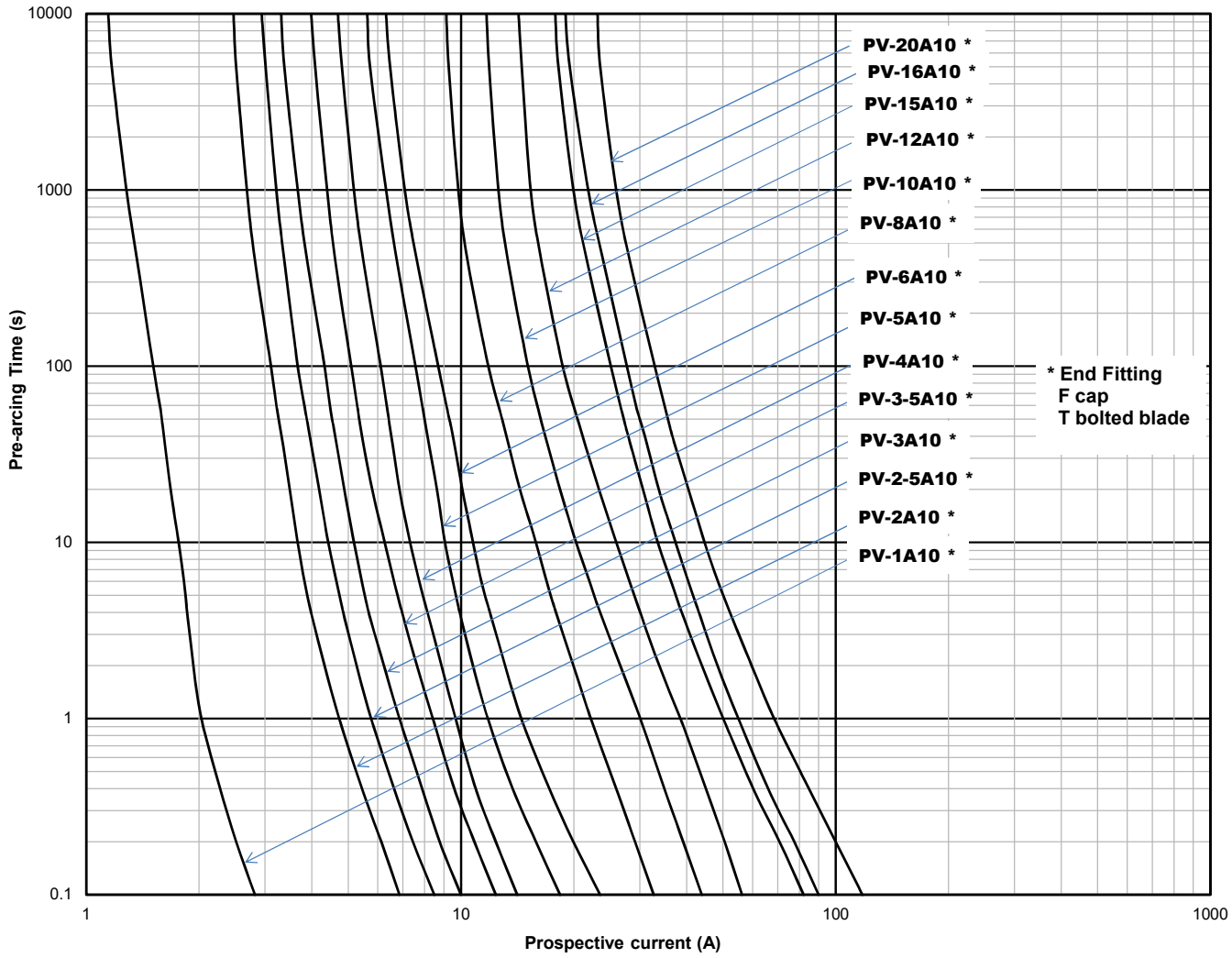
Data sheet: 720110

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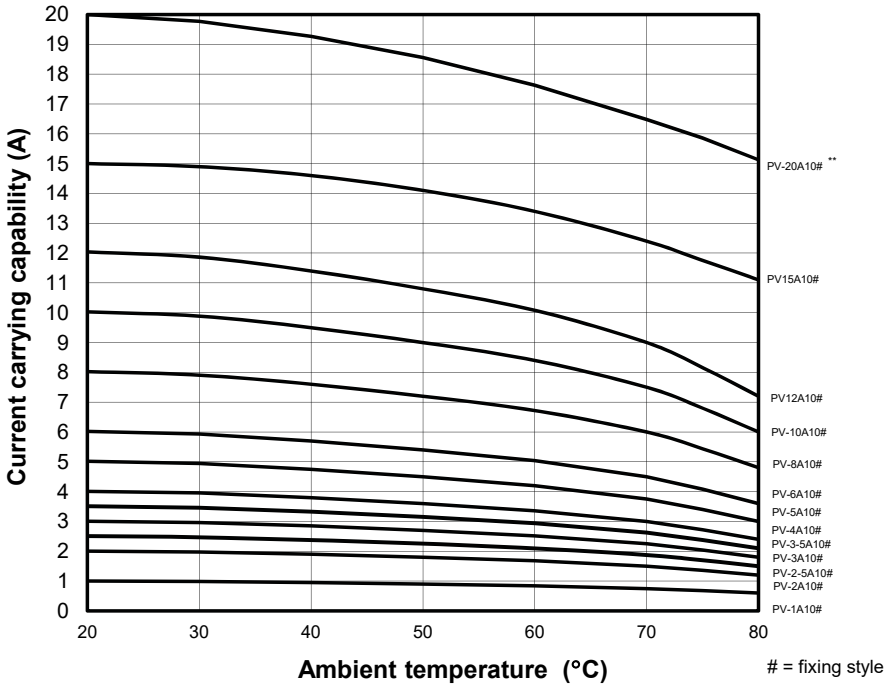
Photovoltaic fuse links, fuse bases and holders

1000 V d.c. (IEC/UL) - 1 A to 20 A - 10 x 38 MM - PV-A10

Time-current curve - 1 A to 20 A



Temperature deratings



Data sheet: 720110

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1000 V d.c. (IEC/UL) - 32 A (IEC), 30 A (UL) - Modular fuse holder for 10 x 38 mm PV fuse links

Description

Compact DIN-Rail mounting fuse holders specifically designed for 10 x 38 mm photovoltaic fuse links.



Catalogue numbers

- CHPV1U 1-pole modular fuse holder
- CHPV2U 2-pole modular fuse holder
- CHPV1IU 1-pole modular fuse holder with neon indicator
- CHPV2IU 2-pole modular fuse holder with neon indicator

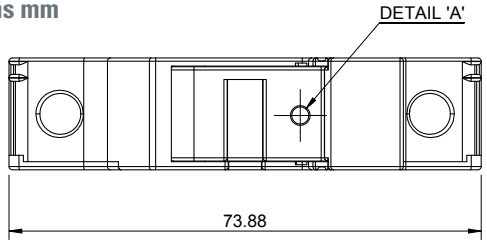
Technical data

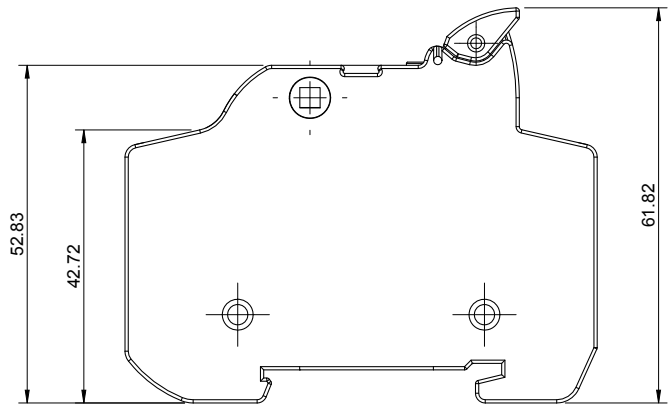
IEC		UL				
Rated voltage	**Rated current**	**Rated voltage**	**Rated current**	**Terminal rating**	**Rated breaking withstand capactiy**	**Compatible Bussmann series fuse links**
1000 V d.c.	32 A	1000 V d.c.	30 A	IEC 1 to 25 mm^2 70°C PVC Copper cable (solid stranded or fine stranded) Spade lug Comb bus bar	33 kA rms sym	Solar PV range: PVM, PV-A10F

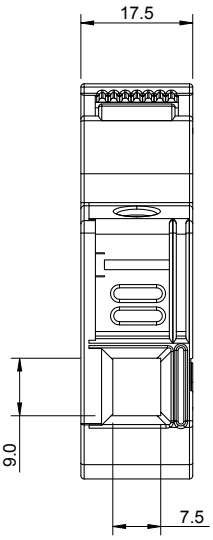
Standards / Agency information

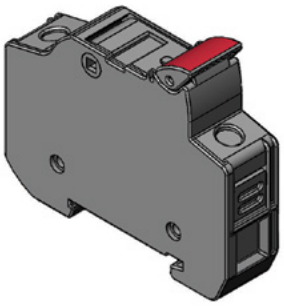
IEC	UL	CSA	CCC	CE
IEC 60269-1	UL 4248-1 UL4248-19 UL file E14853	C22.2 No 4248.1 C22.2 No 4248.19	GB 13539.1	DCB 272

Dimensions mm









Data sheet: 720147

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Photovoltaic fuse links, fuse bases and holders

1000 V d.c. (IEC/UL) - 32 A to 400 A - NH PV-ANH

Description

A range of NH size bladed fuse links specifically designed for protecting and isolating photovoltaic array combiners and disconnects. These fuse links are capable of interrupting low overrated currents associated with faulted PV systems (reverse rated current, multi-array fault).



Technical data

- Rated voltage: 1000 V d.c. (IEC and UL)
- Rated current: 32 A to 400 A
- Breaking capacity: 50 kA
- Operating class: gPV and UL PV fuse links

Compatible fuse base

SD-D-PV see page 352

Standards / Agency information

IEC 60269-6, UL Recognised file 2579 E335324 for size 1 only, RoHS compliant

Catalogue numbers

			I^2t (A^2 Sec)		Watts loss (W)		Catalogue numbers	
Fuse link body size	Rated voltage	Rated current (Amps)	Pre-arcing	Total at 1000 V d.c.	0.8 I_n	I_n	Blade without bolt holes	Blade with bolt holes
NH1	1000 V d.c. (IEC/UL)	32	80	720	4	8	PV-32ANH1	PV-32ANH1-B
		40	185	1670	5	9	PV-40ANH1	PV-40ANH1-B
		50	400	3600	6	11	PV-50ANH1	PV-50ANH1-B
		63	470	4300	6	12	PV-63ANH1	
		80	640	5760	8	15	PV-80ANH1	
		100	1300	11700	8	16	PV-100ANH1	
		110	2100	18900	9	18.5	PV-110ANH1	
		125	2600	23400	9	17	PV-125ANH1	
		160	5200	46800	14	27	PV-160ANH1	
		175	8300	74700	15	29	PV-175ANH1	
		200	10200	82000	13	25	PV-200ANH1	
NH2	1000 V d.c. (IEC/UL)	160	4600	37000	14	28	PV-160ANH2	
		200	9500	76000	16	32	PV-200ANH2	
		250	17000	136000	19	38	PV-250ANH2	
NH3	1000 V d.c. (IEC/UL)	300	32000	260000	24	40	PV-300ANH3	
		315	32000	260000	26	44	PV-315ANH3	
		350	44500	370000	27	45	PV-350ANH3	
		355	44500	370000	28	46	PV-355ANH3	
		400	67500	550000	30	50	PV-400ANH3	

Data sheet: 720133

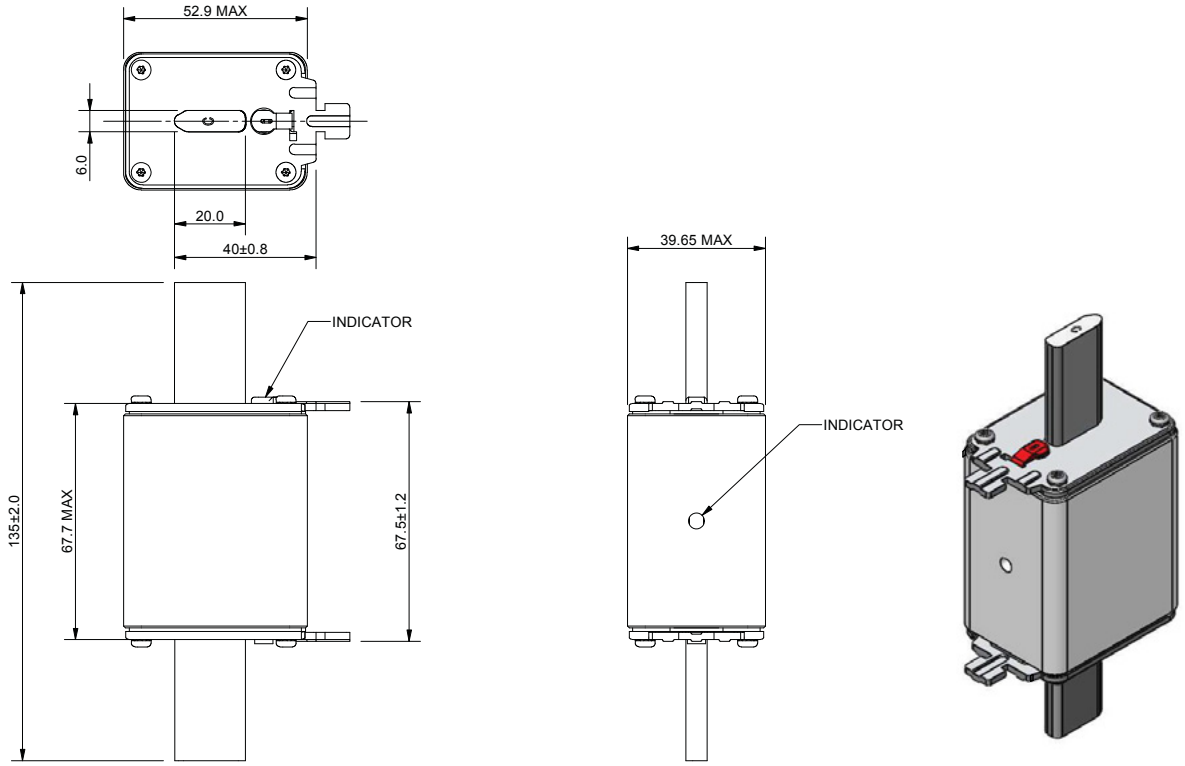
Downloaded from Arrow.com.

1000 V d.c. (IEC/UL) - 32 A to 400 A - NH PV-ANH

Catalogue numbers

			I^2t (A^2 Sec)		Watts loss (W)		Catalog numbers	
Fuse link body size	Rated voltage	Rated current (Amps)	Pre-arcing	Total at 1000 V d.c.	0.8 I_n	I_n	Blade with bolt holes	Blade with bolt holes and lugs
NH1	1000 V d.c. (IEC/UL)	63	470	4300	6	12	PV-63ANH1-B	PV-63ANH1-BL
		80	640	5760	8	15	PV-80ANH1-B	PV-80ANH1-BL
		100	1300	11700	8	16	PV-100ANH1-B	PV-100ANH1-BL
		125	2600	23400	9	17	PV-125ANH1-B	PV-125ANH1-BL
		160	5200	46800	14	27	PV-160ANH1-B	PV-160ANH1-BL
		200	10200	82000	13	25	PV-200ANH1-B	PV-200ANH1-BL
NH2	1000 V d.c. (IEC/UL)	160	4600	37000	14	28	PV-160ANH2-B	PV-160ANH2-BL
		200	9500	76000	16	32	PV-200ANH2-B	PV-200ANH2-BL
		250	17000	136000	19	38	PV-250ANH2-B	PV-250ANH2-BL
NH3	1000 V d.c. (IEC/UL)	300	32000	260000	24	40	PV-300ANH3-B	PV-300ANH3-BL
		315	32000	260000	26	44	PV-315ANH3-B	PV-315ANH3-BL
		355	38000	310000	29	48	PV-355ANH3-B	PV-355ANH3-BL
		400	61000	490000	32	50	PV-400ANH3-B	PV-400ANH3-BL

Dimensions (mm) - NH1, blade without bolt holes



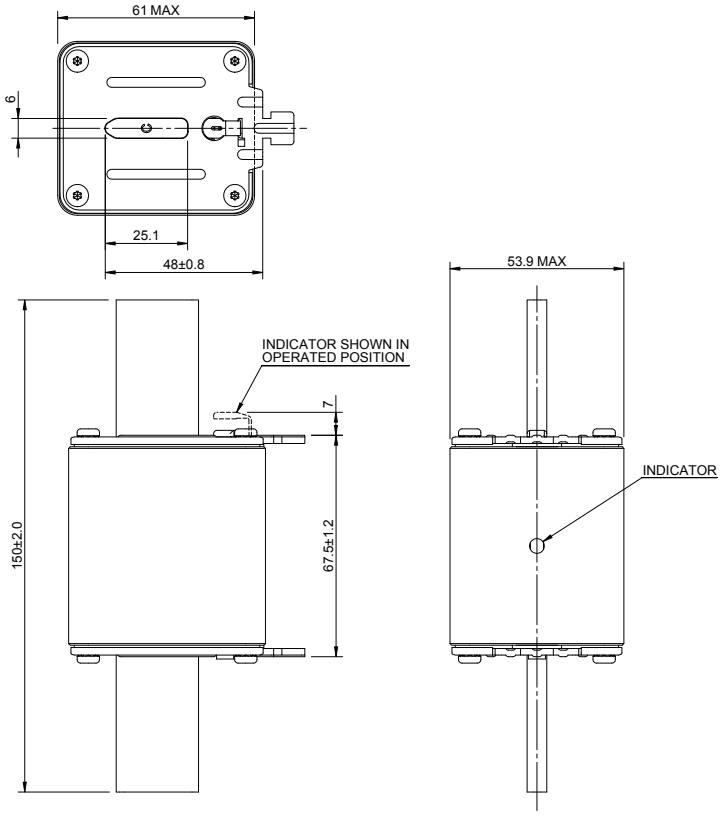
Data sheet: 720133

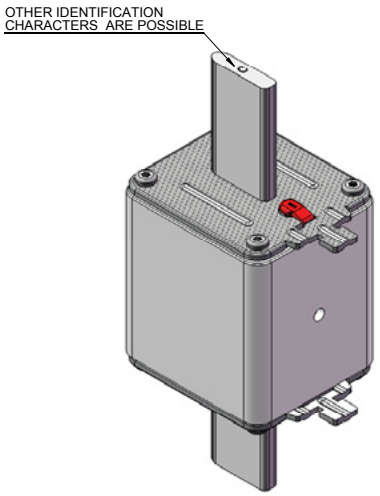
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Photovoltaic fuse links, fuse bases and holders

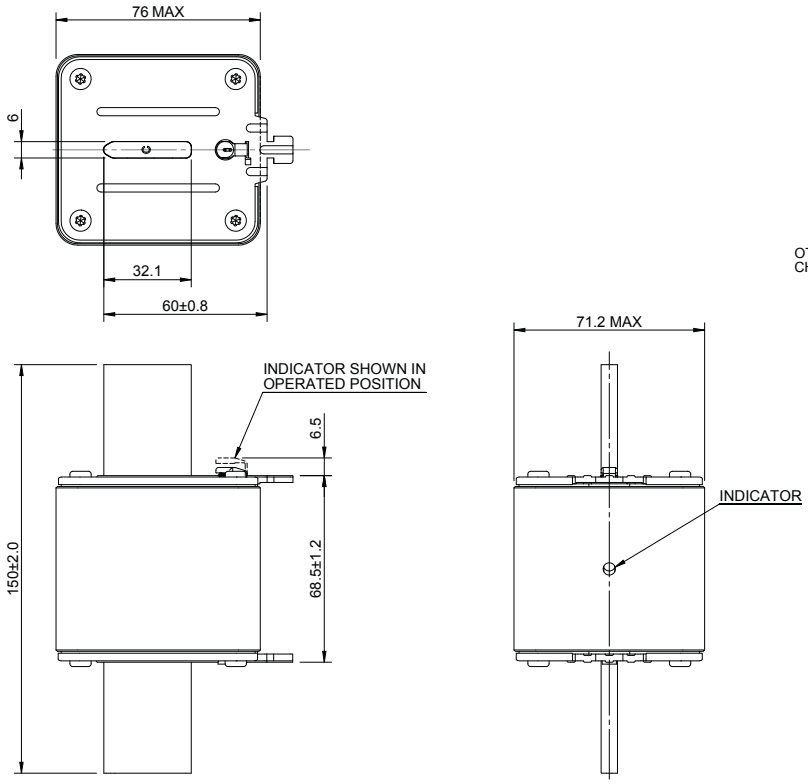
1000 V d.c. (IEC/UL) - 32 A to 400 A - NH PV-ANH

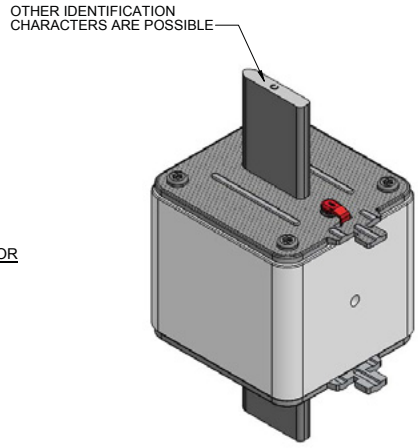
Dimensions (mm) - NH2, blade without bolt holes





Dimensions (mm) - NH3, blade without bolt holes



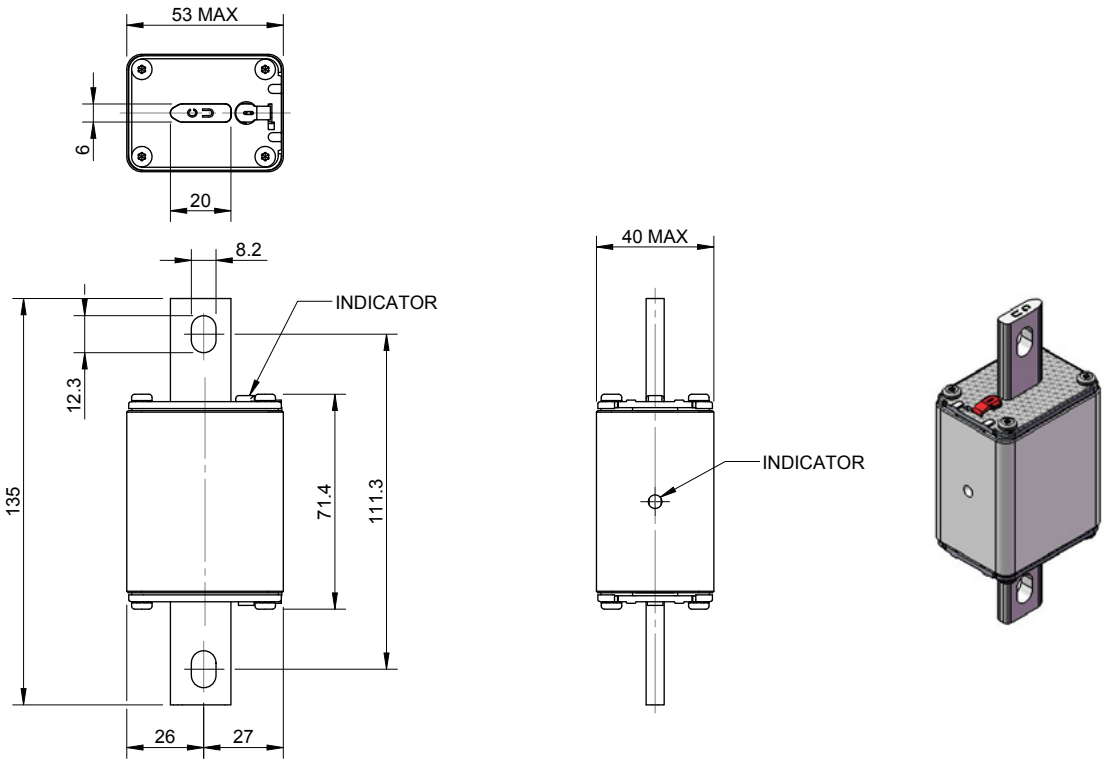


Data sheet: 720133

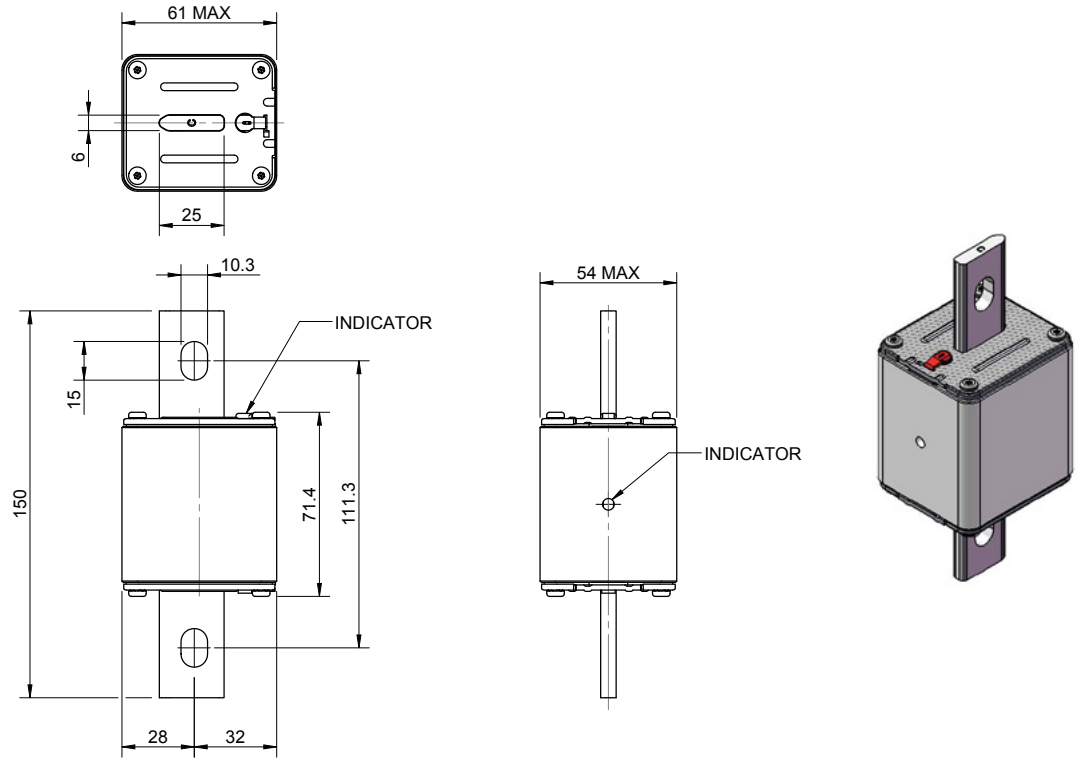
Downloaded from Arrow.com.

1000 V d.c. (IEC/UL) - 32 A to 400 A - NH PV-ANH

Dimensions (mm) - NH1, blade with bolt holes



Dimensions (mm) - NH2, blade with bolt holes



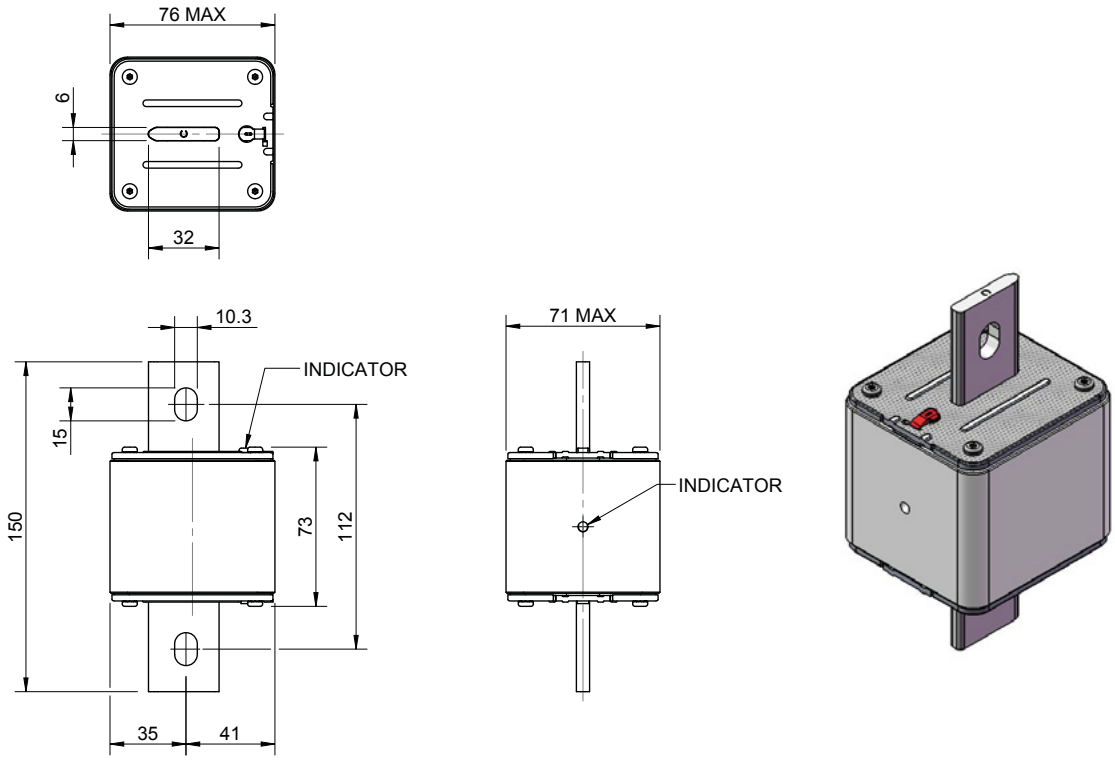
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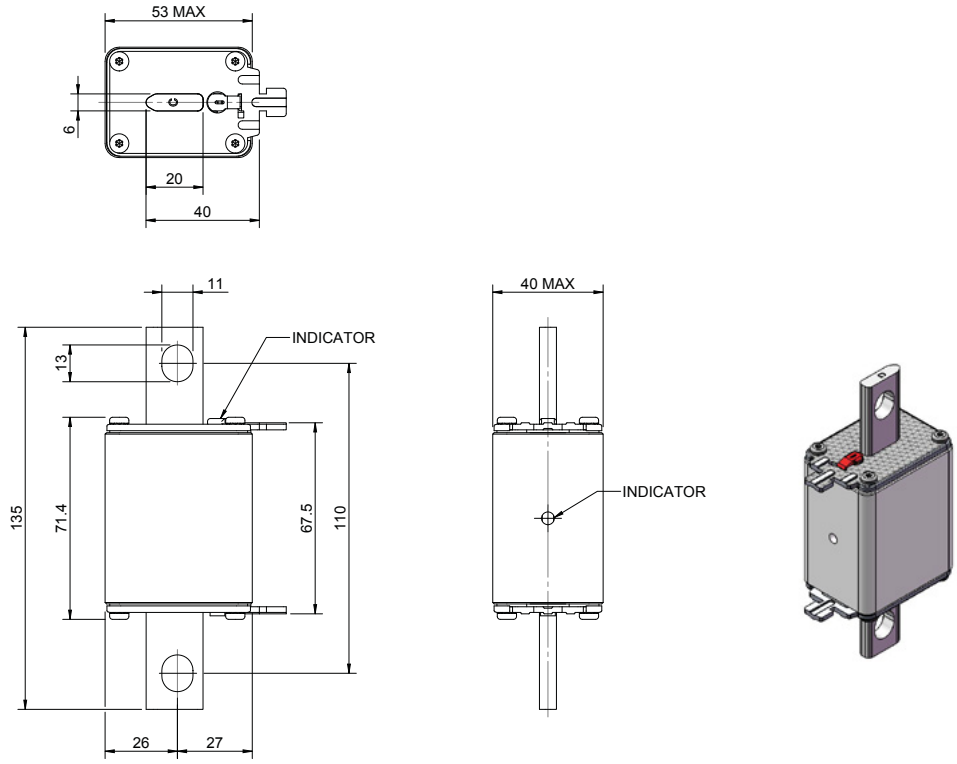
Photovoltaic fuse links, fuse bases and holders

1000 V d.c. (IEC/UL) - 32 A to 400 A - NH PV-ANH

Dimensions (mm) - NH3, blade with bolt holes



Dimensions (mm) - NH1, blade with bolt holes and lugs

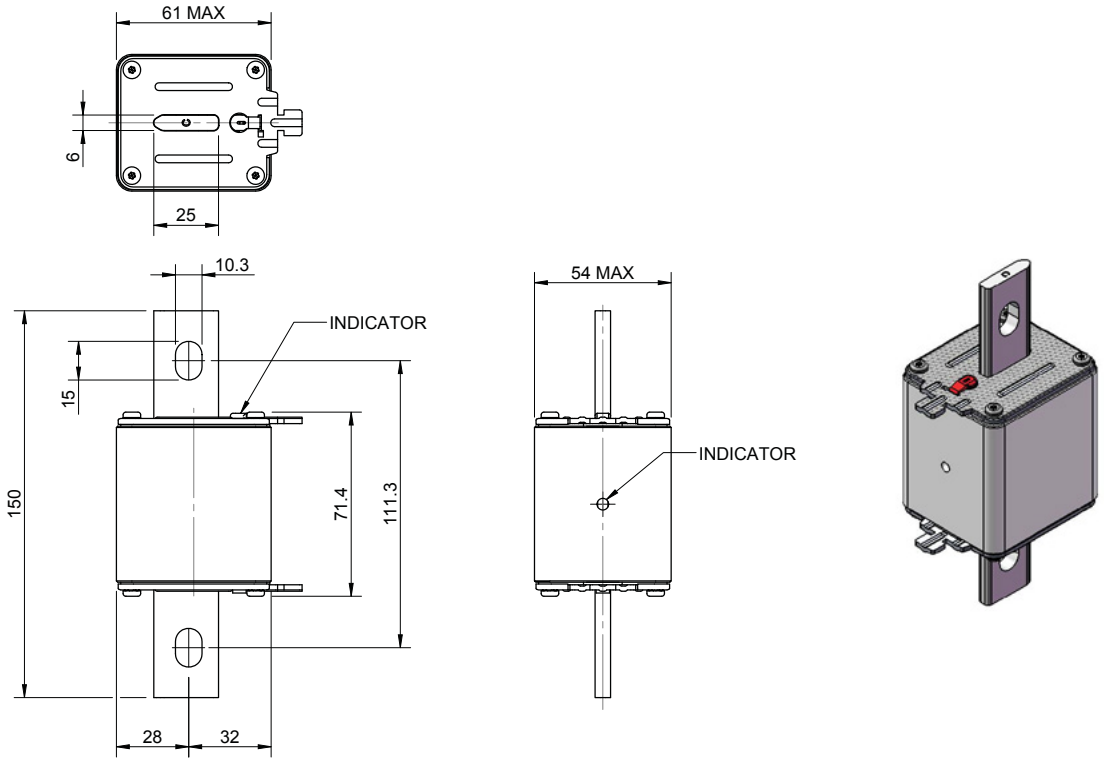


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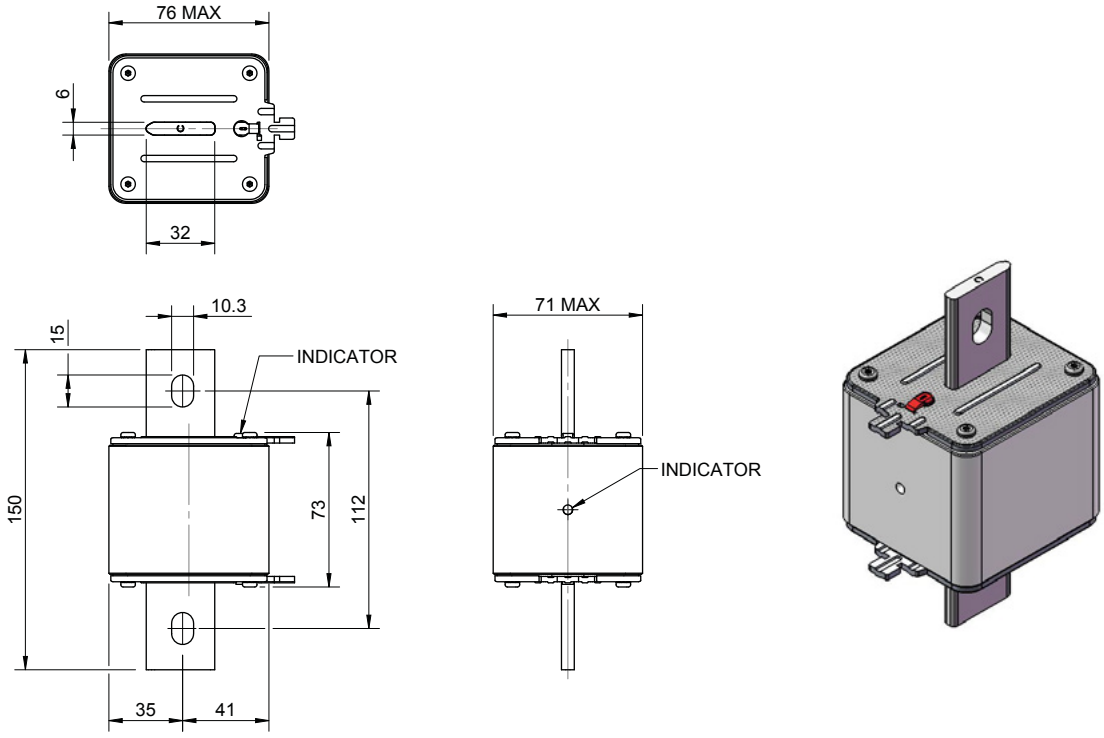
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1000 V d.c. (IEC/UL) - 32 A to 400 A - NH PV-ANH

Dimensions (mm) - NH2, blade with bolt holes and lugs



Dimensions (mm) - NH3, blade with bolt holes and lugs

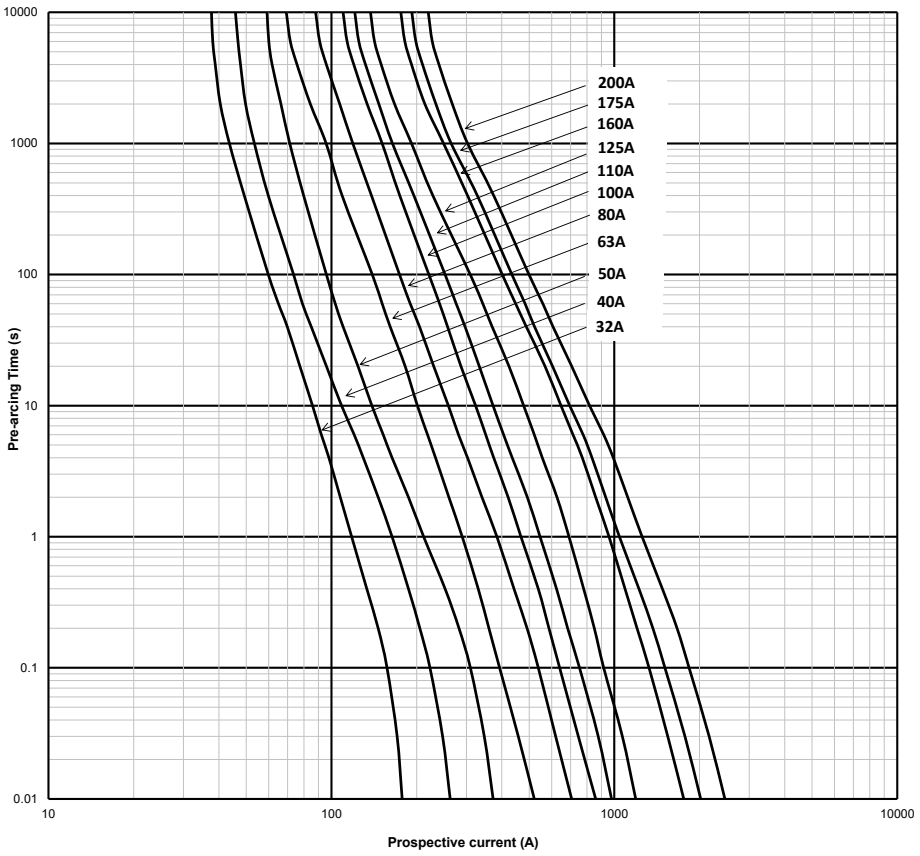


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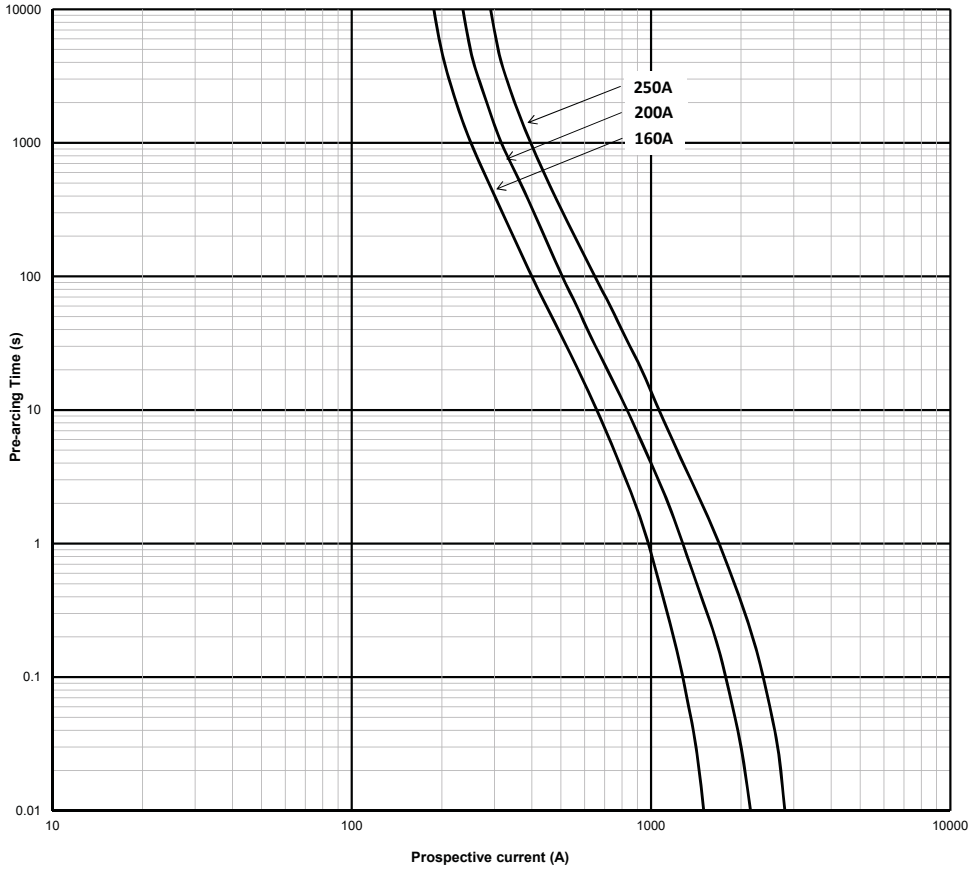
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1000 V d.c. (IEC/UL) - 32 A to 400 A - NH PV-ANH

Time-current curve - Size 1, 32 A to 200 A



Time-current curve - Size 2, 160 A to 250 A

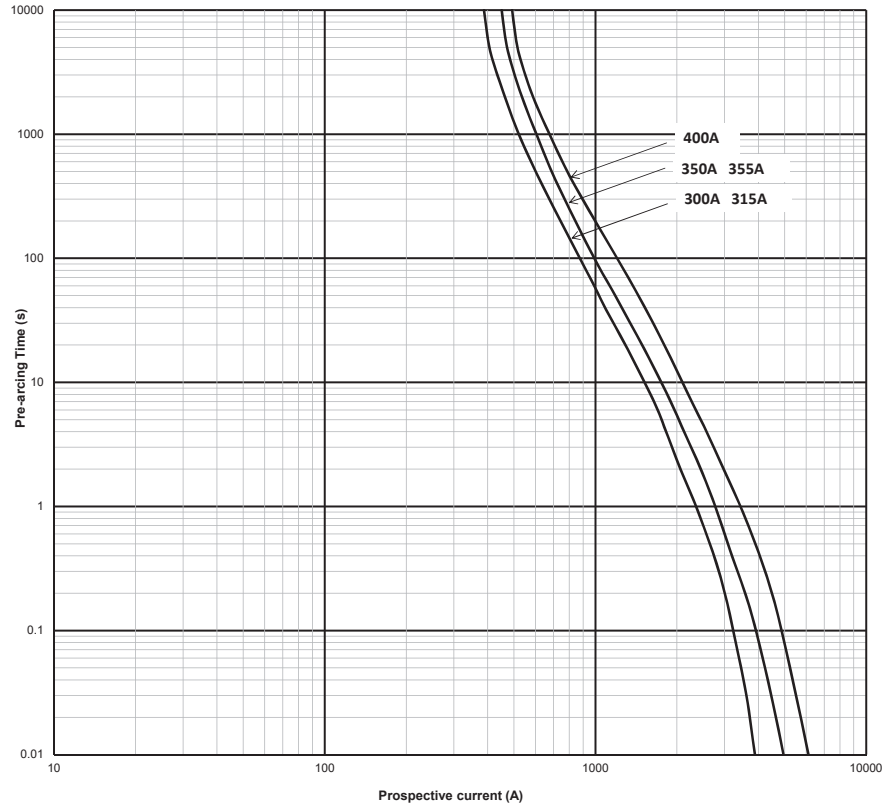


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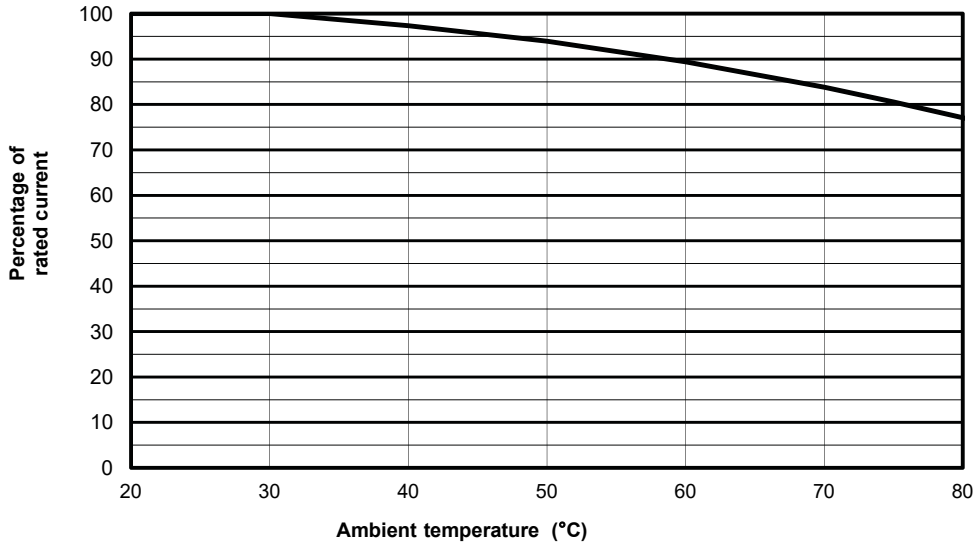
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1000 V d.c. (IEC/UL) - 32 A to 400 A - NH PV-ANH

Time-current curve - Size 3, 300 A to 400 A



Temperature derating curve - Sizes 1 to 3



Data sheet: 720133

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Photovoltaic fuse links, fuse bases and holders

1000 V d.c. (IEC/UL) - 160 A to 400 A - Flush end - PV-AF

Description

A range of flush end fuse links specifically designed for protecting and isolating photovoltaic array combiners and disconnects. These fuse links are capable of interrupting low overrated currents associated with faulted PV systems (reverse rated current, multi-array fault).



Technical data

- Rated voltage: 1000 V d.c. (IEC and UL)
- Rated current: 160 A to 400 A
- Breaking capacity: 50 kA
- Operating class: gPV and UL PV fuse links

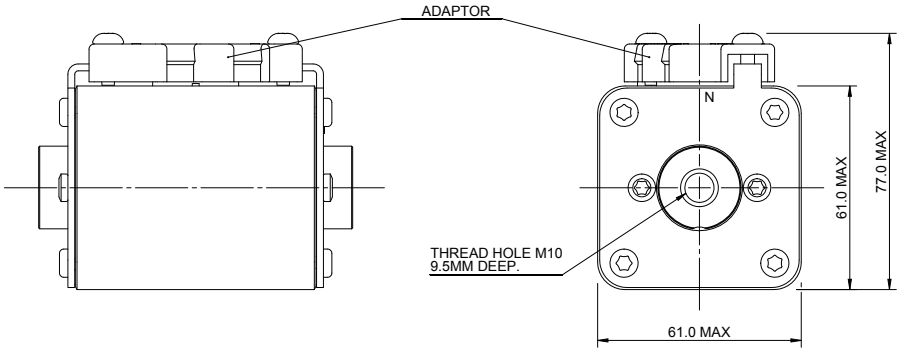
Standards / Agency information

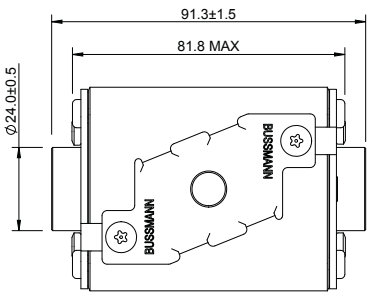
IEC 60269-6, UL 2579 (file number E335324), CSA Listed, RoHS compliant

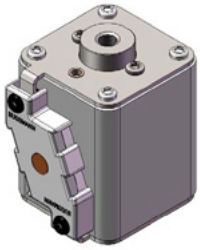
Catalogue numbers

Fuse link type	Fuse link body size	Rated voltage	Rated current (Amps)	I^2t (A^2 Sec) Pre-arcing	I^2t (A^2 Sec) Total at 1000 V d.c.	Watts loss (W) 0.8 I_n	Watts loss (W) I_n	Catalogue numbers
Flush end	2	1000 V d.c.(IEC/UL)	160	4600	37,000	15	30	PV-160AF2
			200	9500	76,000	17	34	PV-200AF2
			250	17,000	136,000	19	38	PV-250AF2
	3	1000 V d.c.(IEC/UL)	315	27,000	240,000	30	49	PV-315AF3
			355	37,000	350,000	31	51	PV-355AF3
			400	61,500	550,000	32	52	PV-400AF3

Dimensions (mm) - Size 2





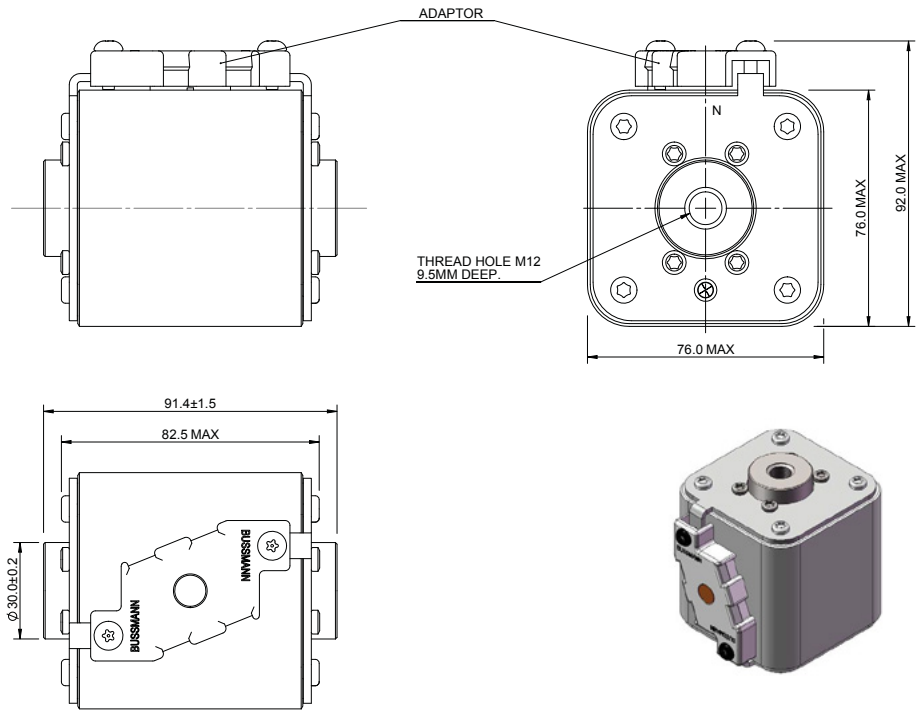


Data sheet: 10370

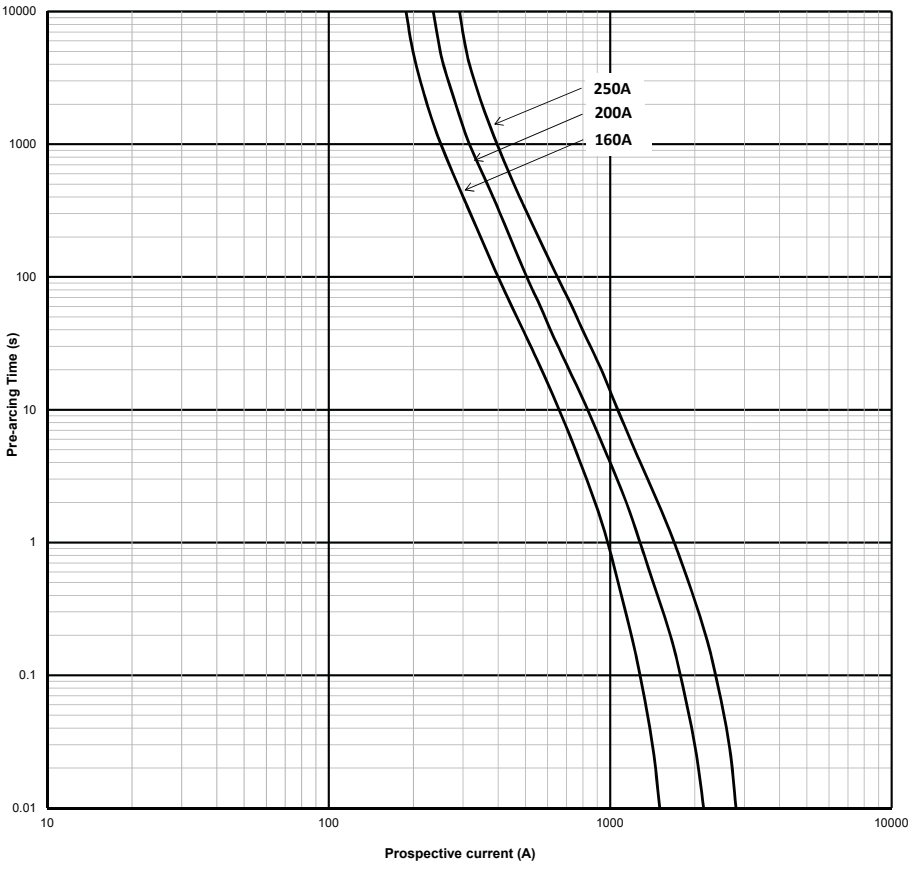
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1000 V d.c. (IEC/UL) - 160 A to 400 A - Flush end - PV-AF

Dimensions (mm) - Size 3



Time-current curve - Size 2, 160 A to 250 A

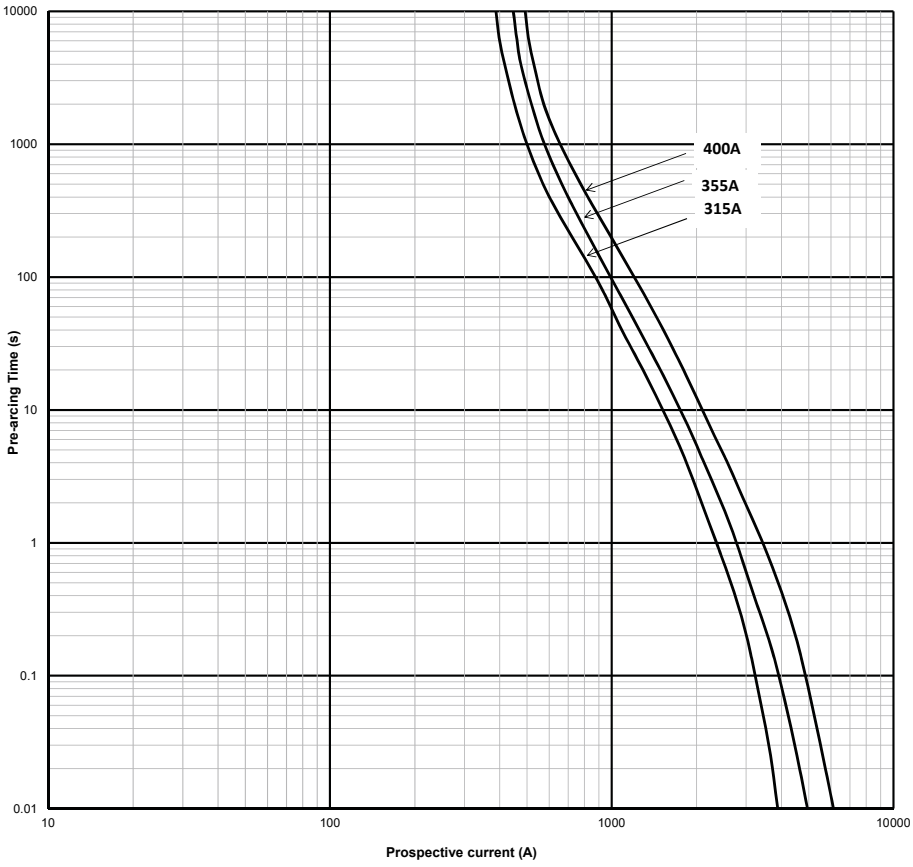


Data sheet: 10370

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1000 V d.c. (IEC/UL) - 160 A to 400 A - Flush end - PV-AF

Time-current curve -Size 3, 315 A to 400 A



Data sheet: 10370

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1000 and 1100 V d.c. (IEC/UL) - 15 A to 32 A - 14 x 51 mm - PV-14F

Description

A range of fuse links in a 14 x 51 mm package specifically designed for the protection and isolation of photovoltaic strings. The fuse links are capable of interrupting low overrated currents associated with faulted PV (reverse rated current, multi-array fault).



Technical data

- Rated voltage:
  - 1100 V d.c. (IEC and UL, 15 A and 20 A)
  - 1000 V d.c. (IEC and UL, 25 A and 32 A)
- Rated current: 15 A to 32 A
- Breaking capacity: 30 kA
- Operating class: gPV and UL PV fuse links

Compatible fuse holder

- CHPV14

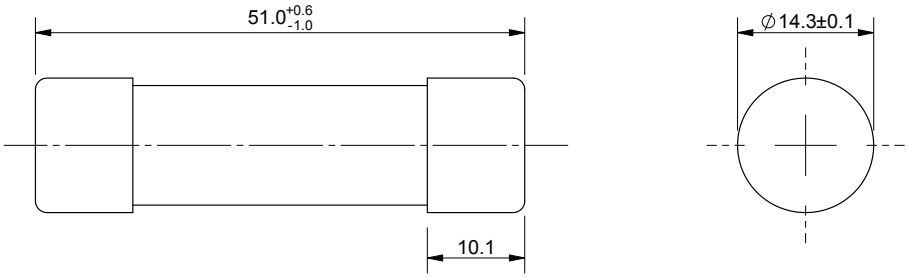
Standards / Agency information

IIEC 60269-6, UL Recognised 2579 (File number E335324), RoHS compliant. Pending: CCC

Catalogue numbers

Rated voltage	Rated current (Amps)	I^2t (A^2 Sec) Pre-arcing	I^2t (A^2 Sec) Total at rated voltage	Watts loss (W) 0.8 I_n	Watts loss (W) I_n	Catalogue numbers
1100 V d.c. (IEC/UL)	15	14	270	2.1	4	PV-15A14F
	20	27	570	2.9	5.5	PV-20A14F
1000 V d.c. (IEC/UL)	25	65	950	2.8	5.3	PV-25A14F
	32	120	1750	4	7.5	PV-32A14F

Dimensions (mm)

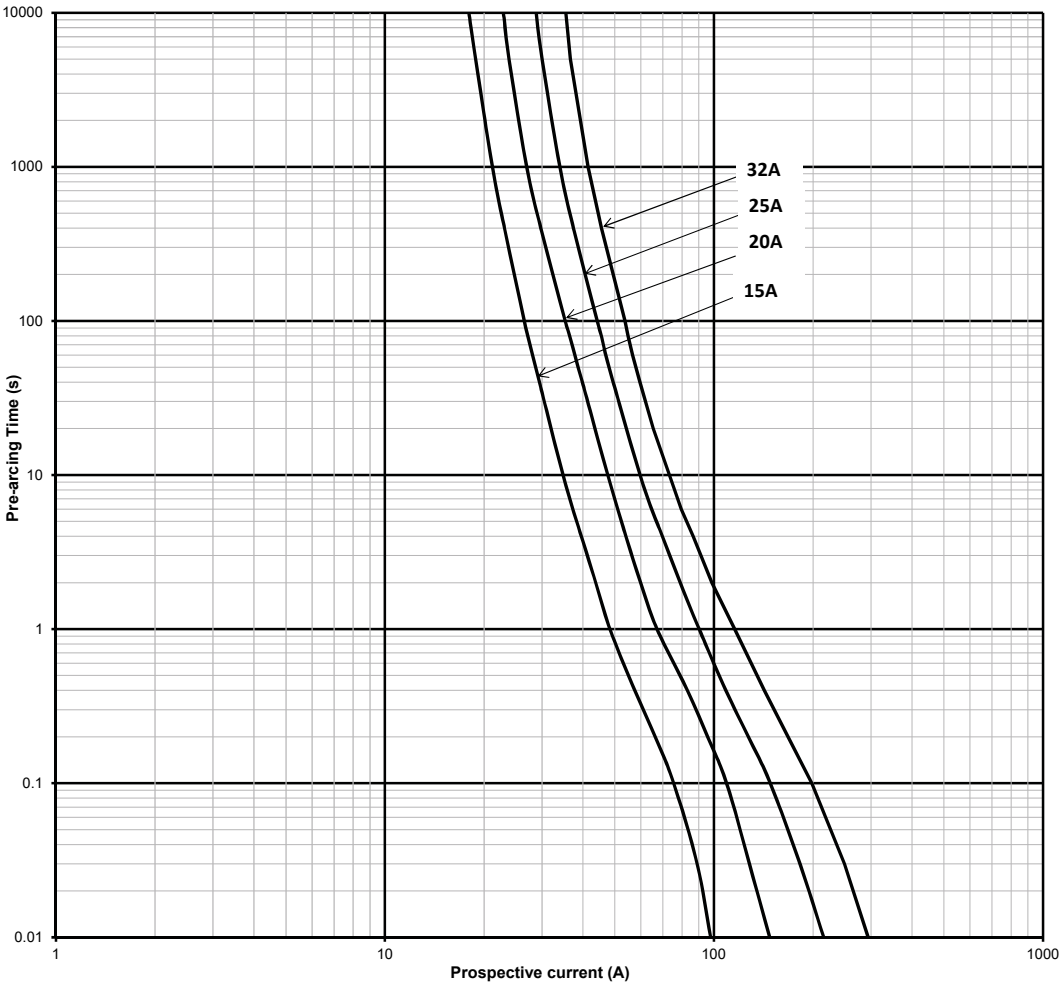


Data sheet: 720132

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1000 and 1100 V d.c. (IEC/UL) - 15 A to 32 A - 14 x 51 mm - PV-14F

Time-current curve - 15 A to 32 A



Data sheet: 720132

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1500 V d.c. (IEC/UL) - 2.25 A to 30 A - 10 x 85 mm - PV-A10F85L

Description

A range of fuse links in a 10 x 85 mm package specifically designed for the protection and isolation of photovoltaic strings.

Technical data

- Rated voltage: 1500 V d.c.
- Rated current: 2.25 A to 30 A
- Breaking capacity: 30 kA 1 ms
- Operating class: gPV
- Fuse body material
  - 2.25 A to 5 A: Ceramic
  - 12 A to 30 A: Melamine



Ceramic fuse body



Melamine fuse body

Compatible fuse holder

CHPV15H85

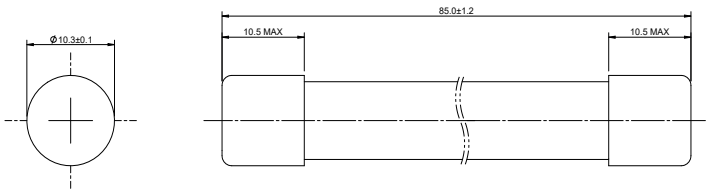
Standards / Agency information

IEC 60269-6, UL 248-19, RoHS compliant

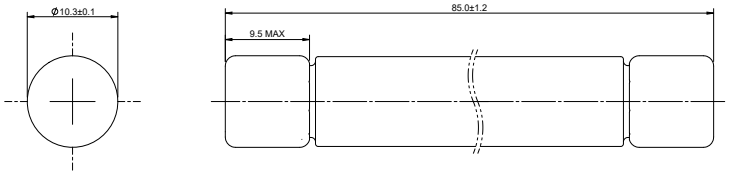
Catalogue numbers

Rated voltage	Rated current (Amps)	I^2t (A^2 Sec) Pre-arcing	I^2t (A^2 Sec) Total at 1500 V d.c.	Watts loss (W) 0.8 I_n	Watts loss (W) I_n	Catalogue numbers
1500 V d.c. (IEC/UL)	2.25	3	10	1.4	2.4	PV-2-25A10F85L
	2.5	4	10	1.3	2.1	PV-2.5A10F85L
	3	7	20	1.3	2.2	PV-3A10F85L
	3.5	10	20	1.6	2.6	PV-3.5A10F85L
	4	15	30	1.7	2.8	PV-4A10F85L
	5	33	60	1.7	2.8	PV-5A10F85L
	12	19	240	2.1	3.5	PV-12A10F85L
	15	42	300	2.2	3.6	PV-15A10F85L
	16	48	350	2.1	3.5	PV-16A10F85L
	20	108	800	2.7	4.5	PV-20A10F85L
	25	190	1400	3.4	5.6	PV-25A10F85L
	30	485	3500	4	6.6	PV-30A10F85L

Dimensions (mm) - 2.25 A to 5 A (Ceramic fuse body)



Dimensions (mm) - 12 A to 30 A (Melamine fuse body)

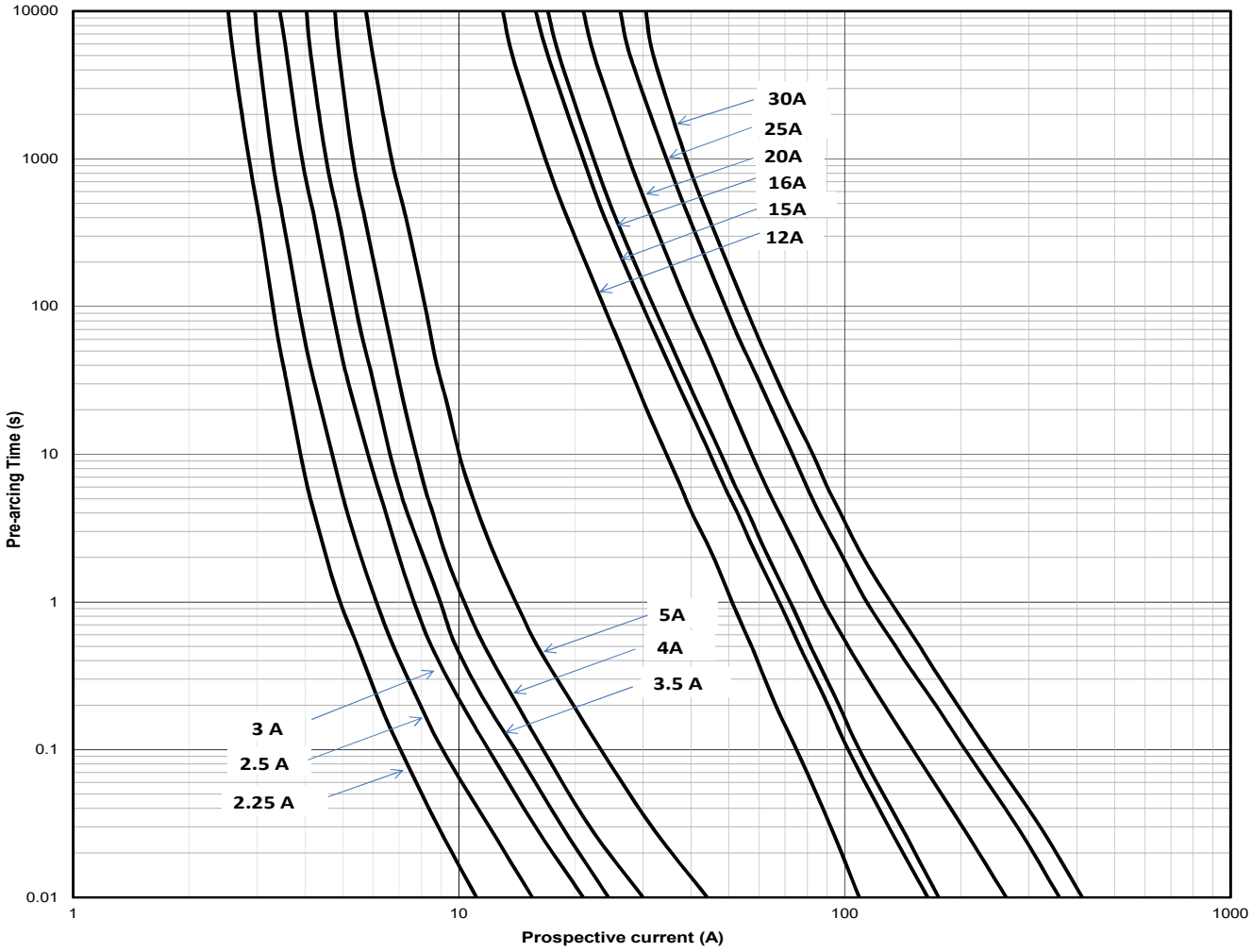


Data sheet: 10658

Downloaded from Arrow.com.

1500 V d.c. (IEC/UL) - 2.25 A to 30 A - 10 x 85 mm - PV-A10F85L

Time-current curve - 2.25 A to 30 A



Data sheet: 10658

Downloaded from Arrow.com.

1500 V d.c. - 32 A (IEC/UL) - Fuse holder for 10 x 85 mm fuse links - CHPV15H85

Description

Eaton's Bussmann series 10 x 85 mm fuse holders are suitable for use with 10 x 85 mm and 14 x 85 mm cylindrical gPV fuse links. The unique design offers high degree of safety. There is no possibility of any accidental contact with live parts during replacement of the fuse links. When the fuse carrier is extracted, a spring loaded cover moves out covering the live parts hence protecting against accidental damage.



Catalogue symbol

CHPV15H85

Compatible fuse links

- 10 x 85 mm fuse links - PV-A10F85L
- 14 x 85 mm fuse links - PV-A14LF

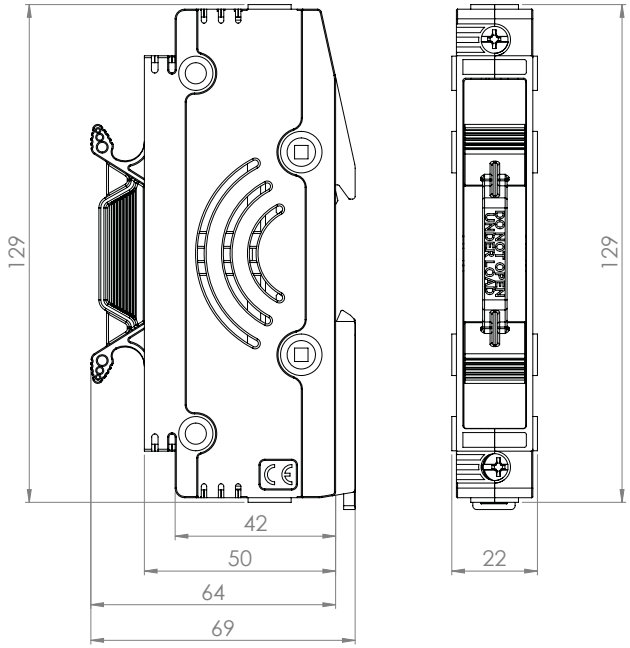
Technical data

- Rated voltage: 1500 V d.c.
- Rated current: 32 A (IEC/UL)
- Breaking capacity: 50 kA

Standards / Agency information

- IIEC 60269-1
- IEC 60269-6
- UL 4248-1 Edition 1 (File number 348242)
- UL 4248-19 Edition 1

Dimensions (mm)



Data sheet: TD135010

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Photovoltaic fuse links, fuse bases and holders

1500 V d.c. - 50 A - Modular fuse holders for 14 x 51 mm PV Fuse links - CHPV14

Description

Compact DIN-Rail mounting fuse holders specifically designed for 14 x 51 mm photovoltaic fuse links.



Catalogue numbers

- CHPV141U 1-pole without indicator
- CHPV142 2-pole without indicator
- CHPV141IU 1-pole with indicator
- CHPV142IU 2-pole with indicator

Standards / Agency information

IEC 60269-1 and 2, UL Listed file number E348242

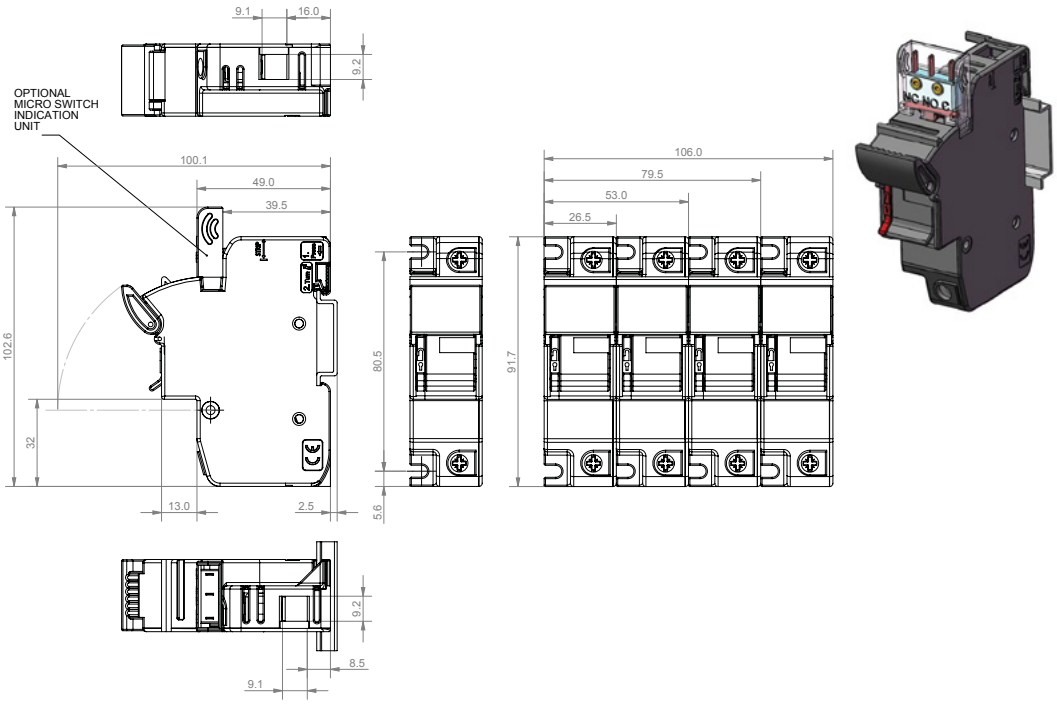
Technical data

Rated voltage	Rated current				
IEC and UL	IEC and UL	Agency markings	Terminal rating	Rated breaking withstand capactiy	Compatible Bussmann series fuse links
1500 V d.c.	32 A	IEC 60269-1 and 2 UL Listed file number E348242	Cable size: 1.5-50 mm^2 Recommended torque setting: 3.5 Nm Maximum torque setting: 3.5Nm Mounting 35 mm DIN-Rail or 2 x M4 panel mounting screws	10 kA d.c.	PV-A14F

Accessories

Catalogue numbers	Description	Unit packing
JV-L	Multi-pole connector kit. One kit will gang up to 4-poles together	12
CH14-CTP	IP20 Protection accessory, provides IP20 protection to terminals with 10mm^2 or less cable	12

Dimensions (mm)



Data sheet: 10080

Downloaded from Arrow.com.

1300-1500 V d.c. (IEC and UL) - 2.25 A to 32 A - 14 x 65 mm - PV-14L

Description

A range of fuse links in a 14 x 65 mm package specifically designed for the protection and isolation of photovoltaic strings. The fuse links are capable of interrupting low overrated currents associated with faulted PV (reverse rated current, multi-array fault).



Technical data

- Rated voltage:
  - 1500 V d.c. (IEC and UL, 2.25 A to 20 A)
  - 1300 V d.c. (IEC and UL, 25 A and 32 A)
- Rated current: 2.25 A to 32 A
- Breaking capacity: 10 kA
- Operating class: gPV and UL PV fuse links

Compatible fuse holder for PV-A14LF10F

CHPV15L85

Standards / Agency information

IEC 60269-6, UL Recognised 2579 (File number E335324), RoHS compliant, Pending: CCC.

Catalogue numbers

		I^2t (A^2 Sec)		Watts loss (W)		Catalogue numbers		
Rated voltage	Rated current (Amps)	Pre-arcing	Total at rated voltage	0.8 I_n	I_n	Cylindrical	Cylindrical with tags	Cylindrical with 10mm fixings
1500 V d.c. (IEC/UL)	2.25	4	8	1.4	2.3	PV-2.25A14LF	N/A	PV-2.25A14LF10F
	2.5	5	10	1.5	2.5	PV-2.5A14LF	PV-2.5A14L-T	PV-2.5A14LF10F
	3	8	14	1.7	2.8	PV-3A14LF	PV-3A14L-T	PV-3A14LF10F
	3.5	12	23	1.8	3.0	N/A	N/A	PV-3.5A14LF10F
	4	18	34	2	3.3	PV-4A14LF	PV-4A14L-T	PV-4A14LF10F
	15	16	190	2.9	5.1	PV-15A14LF	PV-15A14L-T	PV-15A14LF10F
	20	34	400	3.8	6.9	PV-20A14LF	PV-20A14L-T	PV-20A14LF10F
1300 V d.c. (IEC/UL)	25	65	550	4.1	7.5	PV-25A14LF	PV-25A14L-T	PV-25A14LF10F
	32	105	900	5.7	10.4	PV-32A14LF	PV-32A14L-T	PV-32A14LF10F

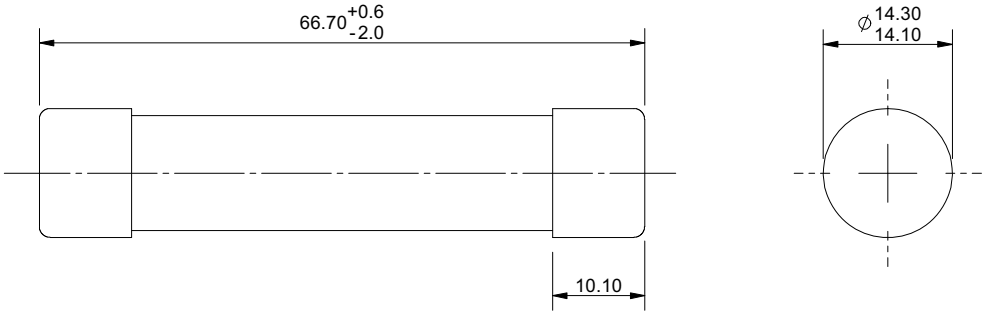
Data sheet: 720139, 5785579

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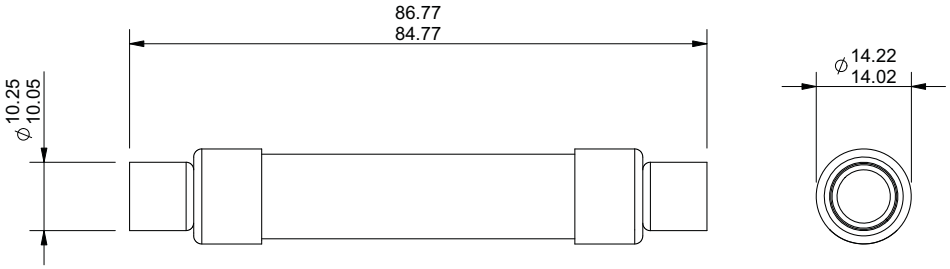
Photovoltaic fuse links, fuse bases and holders

1300-1500 V d.c. (IEC and UL) - 2.25 A to 32 A - 14 x 65 mm - PV-14L

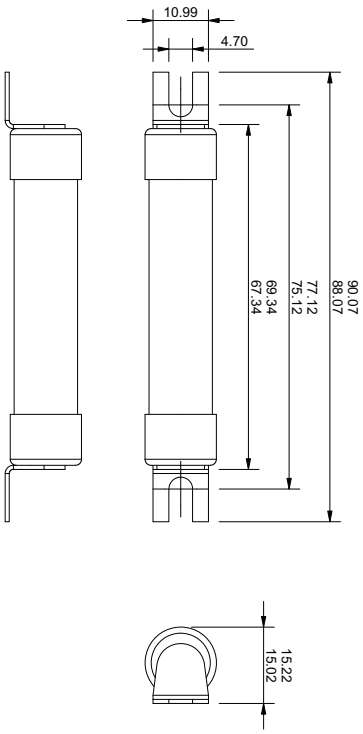
Dimensions (mm) - PV-*A14LF, Cylindrical



Dimensions (mm) - PV-*A14LF10F, Cylindrical with 10 mm Fixings



Dimensions (mm) - PV-*A14L-T, Cylindrical with tags

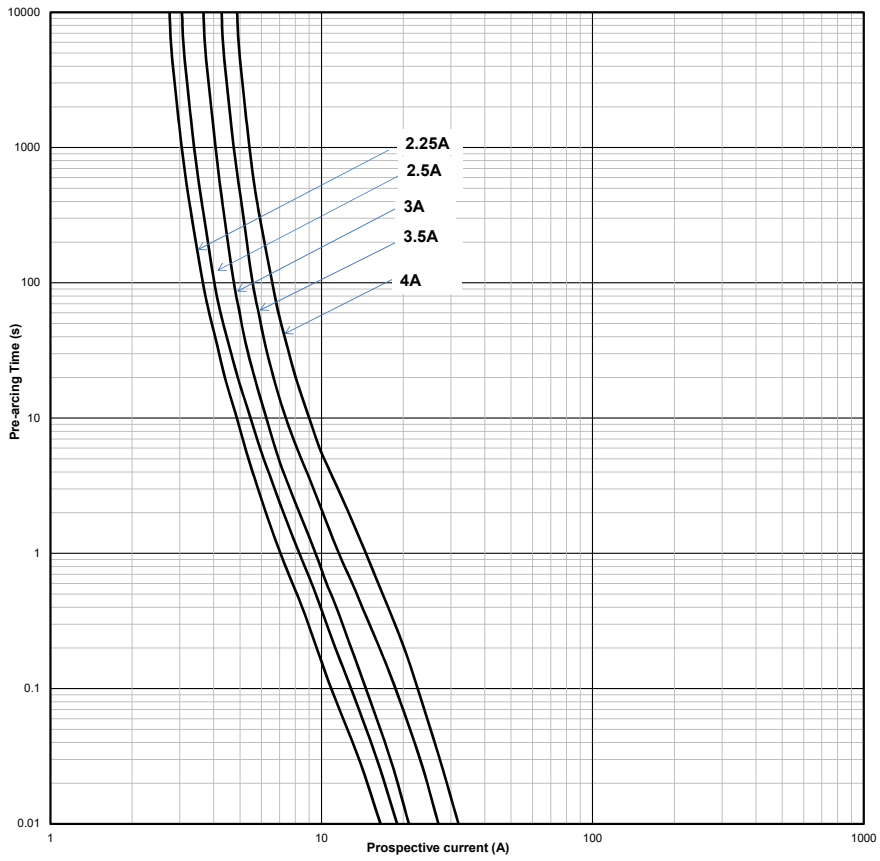


Data sheet: 720139, 5785579

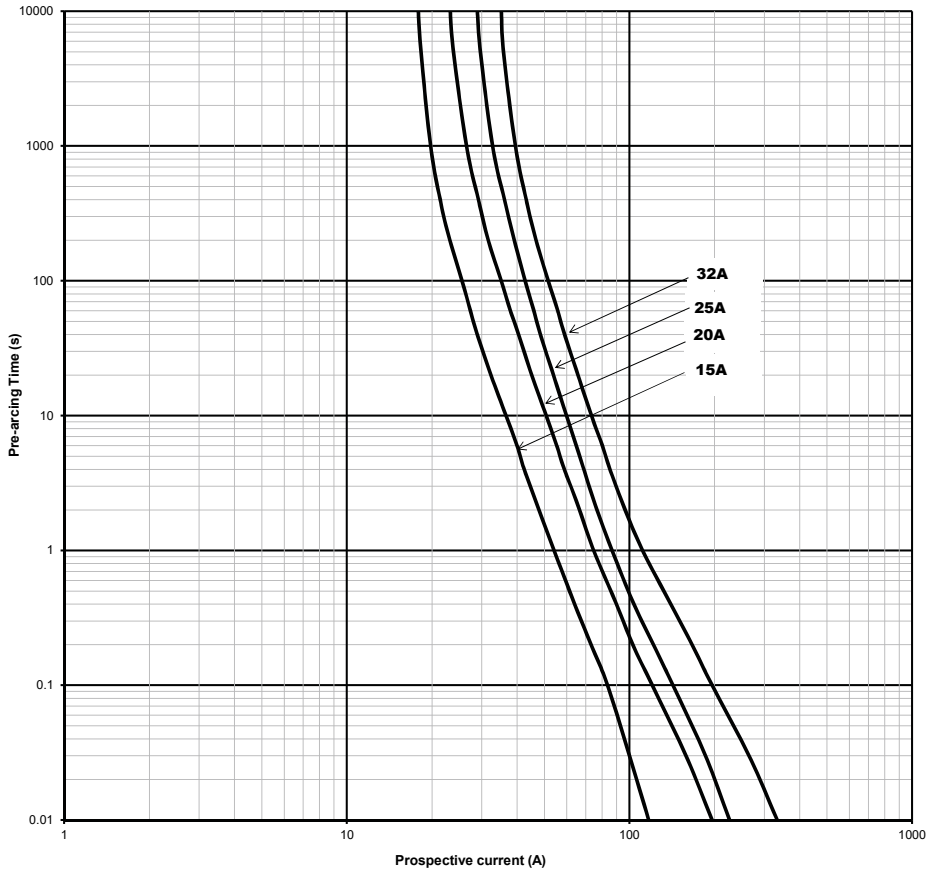
Downloaded from Arrow.com.

1300-1500 V d.c. (IEC and UL) - 2.25 A to 32 A - 14 x 65 mm - PV-14L

Time-current curve - 2.25 A to 4 A



Time-current curve - 3.5 A to 32 A



Data sheet: 720139, 5785579

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Photovoltaic fuse links, fuse bases and holders

1500 V d.c. (IEC and UL) - 32 A to 50 A - 22 x 65 mm - PV-22F65L

Description

A range of fuse links in a 22 x 65 mm package specifically designed for the protection and isolation of photovoltaic strings. The fuse links are capable of interrupting low overrated currents associated with faulted PV (reverse rated current, multi-array fault).



Technical data

- Rated voltage: 1500 V d.c. (IEC and UL)
- Rated current: 32 A to 50 A
- Breaking capacity: 50 kA
- Operating class: gPV and UL PV fuse links

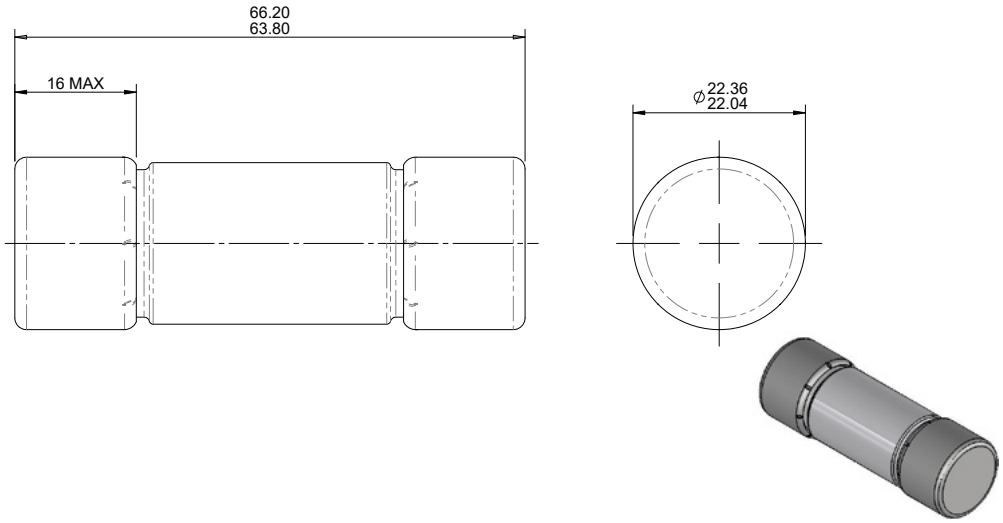
Standards / Agency information

IEC 60269-6, UL Recognised 2579 (File number E335324), RoHS compliant, Pending: CCC.

Catalogue numbers

		I^2t (A^2 Sec)		Watts loss (W)			
Rated voltage	**Rated current (Amps)**	**Pre-arcing**	**Total at rated voltage**	**0.7 I_n**	**I_n**	**Catalogue numbers**	**Compatible fuse holder**
1500 V d.c. (IEC/UL)	32	1650	3990	2.7	6.7	PV-32A22F65L	CHPV22-65
	35	2900	7080	2.5	6.1	PV-35A22F65L	CHPV22-65
	40	3450	8310	3.0	7.3	PV-40A22F65L	CHPV22-65
	45	4600	11,100	3.4	8.3	PV-45A22F65L	CHPV22-65
	50	6600	16,000	3.8	9.3	PV-50A22F65L	CHPV22-65

Dimensions - mm

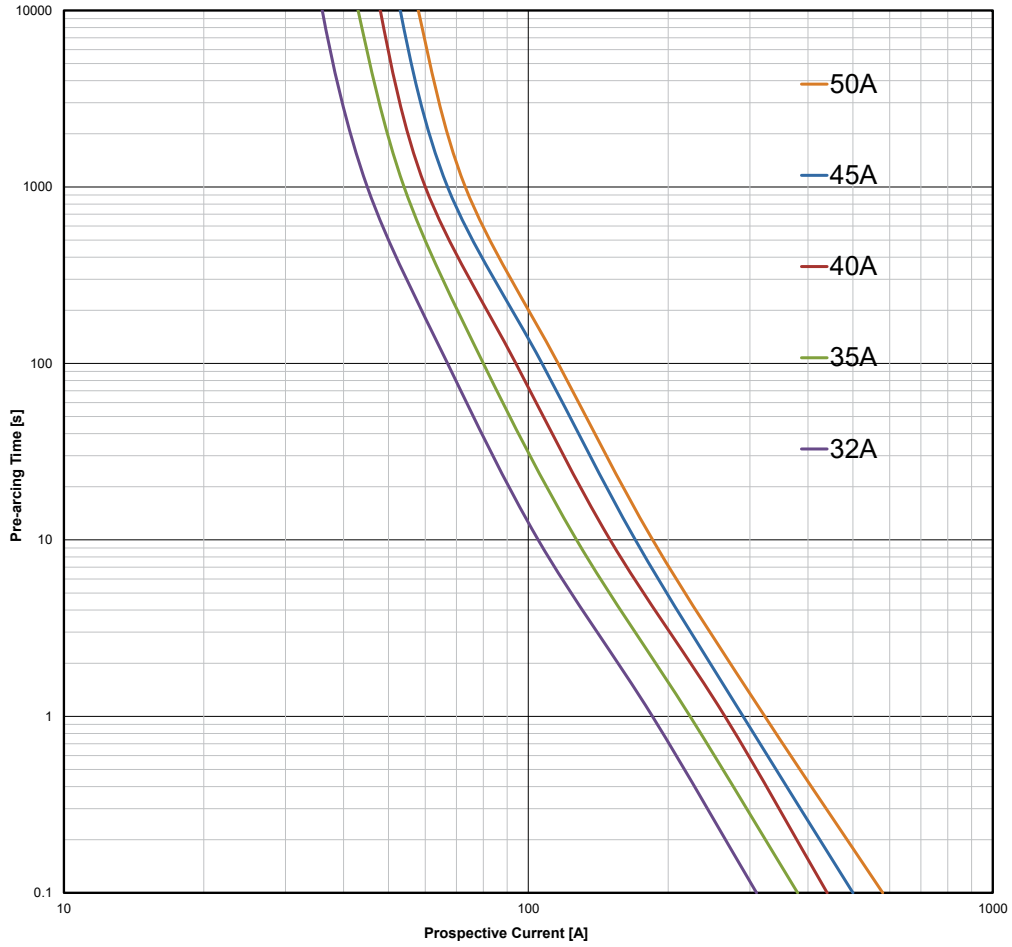


Data sheet: TD135022

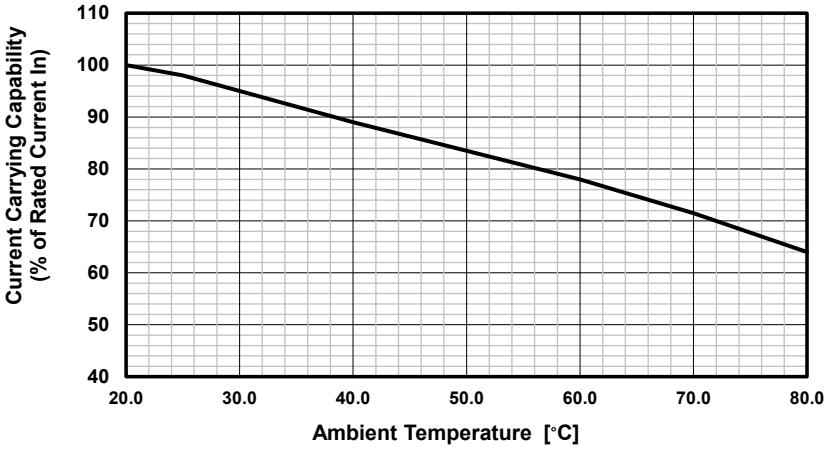
Downloaded from Arrow.com.

1500 V d.c. (IEC and UL) - 32 A to 50 A - 22 x 65 mm - PV-22F65L

Time-current curve



Temperature derating curve



Data sheet: TD135022

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Photovoltaic fuse links, fuse bases and holders

1500 V d.c. (IEC and UL) - 80 A - Fuse holder for 22 x 65 mm fuse links - CHPV22-65

Description

Eaton's Bussmann series 22 x 65 mm fuse holder is suitable for use with 22 x 65 mm cylindrical gPV fuse links.

The unique design offers high degree of safety.There is no possibility of any accidental contact with live parts during replacement of the fuselinks. When the fuse carrier is in the extractedposition the carrier covers the live parts hence protecting against any accidental contact.



Technical data

- Rated voltage:1500 V d.c.
- Rated current: 80 A
- Breaking capacity 50 kA

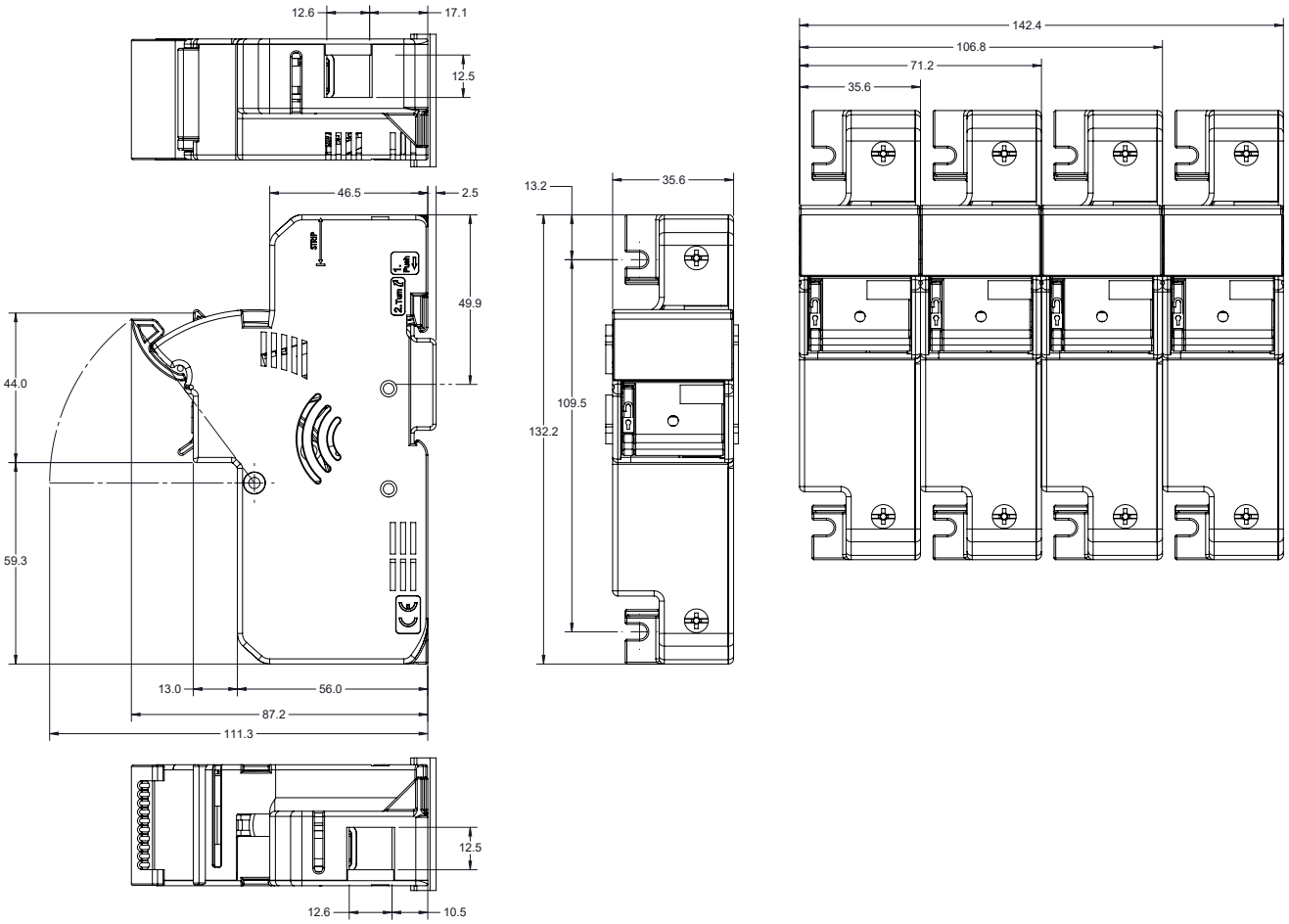
Compatible fuse links

- PV-(amp)22F65L

Standards / Agency information

IEC 60269-1, UL 4248-19 (cULus Listed, File No: E348242)

Dimensions (mm)



Data sheet: TD135024EN

Downloaded from Arrow.com.

1500 V d.c. (IEC), 1000 V d.c. (UL/CSA) - 250 A to 630 A - sizes 1 to 3 - NH fuse bases - SD-D-PV

Description

Sizes 1 to 3 NH Fuse bases specifically designed for use with Bussmann series range of NH PV (Photovoltaic) fuse links.



Technical data

- Rated voltage:
  - 1500 V d.c. (IEC)
  - 1000 V d.c. (UL/CSA)
- Rated current:
  - 250 A (SD1)
  - 400 A (SD2)
  - 630 A (SD3)
- Fuse base sizes: 1 to 3
- Withstand: 50 kA
- Power acceptance
  - SD1: 32 W
  - SD2: 45 W
  - SD3: 60 W

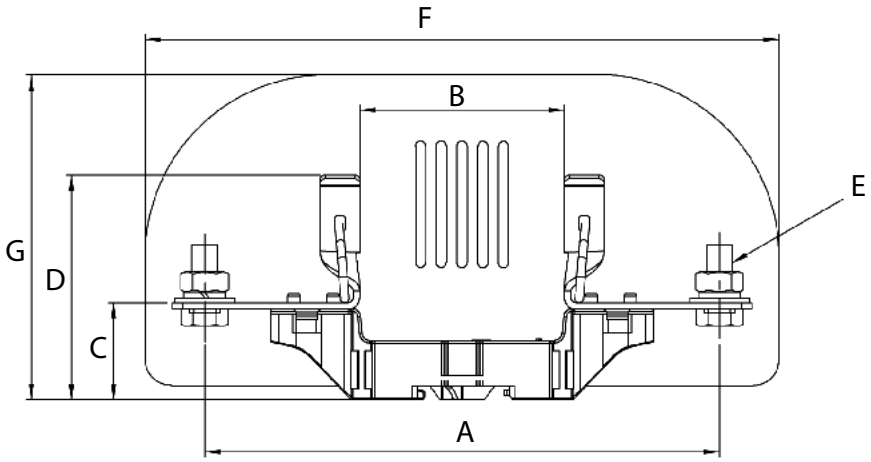
Standards / Agency information

IEC 60269-1, UL Listed - UL File #E348242, CSA file #47235

Accessories:

- Microswitches - 170H0236, 170H0238 and BVL50
- IP20 Finger-Safe Protection Kit - TD1-IP20, TD2-IP20, TD3-IP20
- Fuse extraction handle
- Shroud kits

Dimensions (mm) - 1-pole with phase barriers



Catalogue numbers	Poles/Type	A	B	C	D	E	F	G
SD1-D-PV	1-pole	175	79	37	78	M10x25	245	125.5
SD2-D-PV	1 pole	199	79	37.5	86	M10x25	245	125.5
SD3-D-PV	1-pole	209	82	37.5	88	M12x30	260	137.5

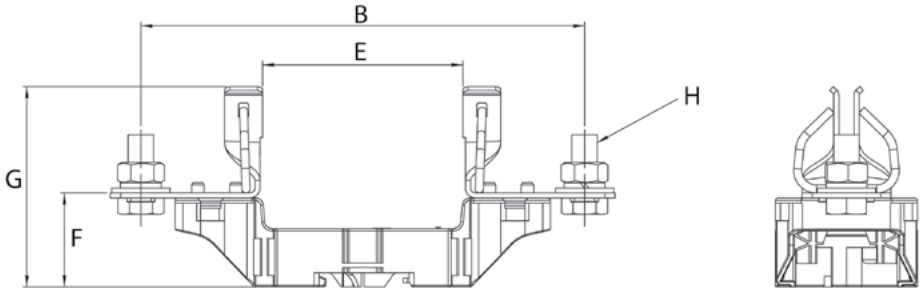
Data sheet: 720149

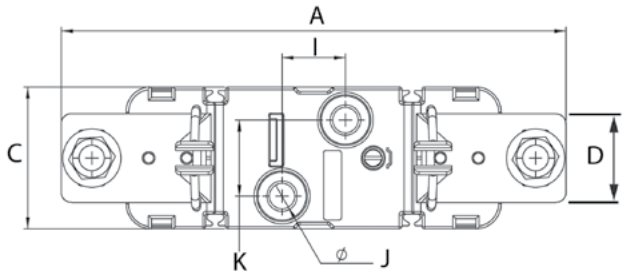
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Photovoltaic fuse links, fuse bases and holders

1500 V d.c. (IEC), 1000 V d.c. (UL/CSA) - 250 A to 630 A - sizes 1 to 3 - NH fuse bases - SD-D-PV

Dimensions (mm) - 1-pole without phase barriers





Catalogue numbers	Poles	A	B	C	D	E	F	G	H	I	J	K
SD1-D-PV	1-pole	199	175	56	35	79	37	78	M10x25	25	10	30
SD2-D-PV	1 pole	224	199	56	35	79	37.5	86	M10x25	25	10	30
SD3-D-PV	1-pole	239	209	56	36	82	37.5	88	M12x30	25	10	30

Data sheet: 720149

Downloaded from Arrow.com.

1000-1500 V d.c. (IEC/UL) - 50 A to 600 A - XL and 3L Style - PV-XL and PVS-3L

Description

A range of XL package bladed fuse links specifically designed for protecting and isolating photovoltaic array combiners and disconnects. These fuse links are capable of interrupting low overrated currents associated with faulted PV systems (reverse rated current, multi-array fault).



Technical data

- Rated voltage:
  - 1000 V d.c. (IEC and UL 63 to 600 A)
  - 1500 V d.c. (IEC and UL 50 to 500 A)
- Rated current: 50 A to 600 A
- Breaking capacity: see catalogue numbers tables
- Operating class: gPV and UL PV fuse links

Compatible fuse base

- SD-S-PV

Microswitches

- For bladed fuse links
  - 170H0235 or 170H0237 for 01XL
  - 170H0236 or 170H0238 for 1XL, 2XL and 3L
- For bolted fuse links
  - 170H0069 for all sizes

Standards / Agency information

IEC 60269-6, UL Recognised file 2579 E335324, RoHS compliant

Catalogue numbers - PV-XL fuse links, 1000 V d.c. - Bladed version

Fuse link body size	Rated voltage	Rated current (Amps)	Breaking capacity (kA)	I^2t (A^2 Sec)		Watts loss (W)		Catalogue numbers	Compatible fuse bases	Compatible microswitches
				Pre-arcing	Total at 1000 V d.c.	0.7 I_n	I_n	Bladed version		
01	1000 V d.c.	63	50	260	1900	10	24	PV-63A-01XL	SD1XL-S-PV	170H0236/170H0238
		80	50	490	3600	12	29	PV-80A-01XL	SD1XL-S-PV	170H0236/170H0238
		100	50	870	6300	13	32	PV-100A-01XL	SD1XL-S-PV	170H0236/170H0238
		125	50	1930	13,900	16	40	PV-125A-01XL	SD1XL-S-PV	170H0236/170H0238
		160	50	3900	28,100	18	44	PV-160A-01XL	SD1XL-S-PV	170H0236/170H0238
2	1000 V d.c.	160	33	2780	21,000	18	44	PV-160A-2XL	SD2XL-S-PV	170H0236/170H0238
		200	33	4950	37,000	20	50	PV-200A-2XL	SD2XL-S-PV	170H0236/170H0238
		250	33	9450	70,000	24	60	PV-250A-2XL	SD2XL-S-PV	170H0236/170H0238
		315	33	16,600	123,000	26	66	PV-315A-2XL	SD2XL-S-PV	170H0236/170H0238
		355	33	26,000	192,000	27	68	PV-355A-2XL	SD2XL-S-PV	170H0236/170H0238
3	1000 V d.c.	350	50	31,000	161,200	26	65	PV-350A-3L	SD3L-S-PV	170H0236/170H0238
		400	50	44,500	231,400	33	82	PV-400A-3L	SD3L-S-PV	170H0236/170H0238
		500	50	85,000	442,000	34	85	PV-500A-3L	SD3L-S-PV	170H0236/170H0238
		600	50	137,000	712,400	43	108	PV-600A-3L	SD3L-S-PV	170H0236/170H0238

Data sheets: PV-XL 10201 and PVS-3L TD135020EN

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Photovoltaic fuse links, fuse bases and holders

1000-1500 V d.c. (IEC/UL) - 50 A to 600 A - XL and 3L Style - PV-XL and PVS-3L

Catalogue numbers - PV-XL fuse links, 1000 V d.c. - Bolted version

Fuse link body size	Rated voltage	Rated current (Amps)	Breaking capacity (kA)	I^2t (A^2 Sec)		Watts loss (W)		Catalogue numbers
				Pre-arcing	Total at 1000 V d.c.	0.7 I_n	I_n	Bolted version
01	1000 V d.c.	63	50	260	1900	10	24	PV-63A-01XL-B
		80	50	490	3600	12	29	PV-80A-01XL-B
		100	50	870	6300	13	32	PV-100A-01XL-B
		125	50	1930	13,900	16	40	PV-125A-01XL-B
		160	50	3900	28,100	18	44	PV-160A-01XL-B
2	1000 V d.c.	160	33	2780	21,000	18	44	PV-160A-2XL-B
		200	33	4950	37,000	20	50	PV-200A-2XL-B
		250	33	9450	70,000	24	60	PV-250A-2XL-B
		315	33	16,600	123,000	26	66	PV-315A-2XL-B
		355	33	26,000	192,000	27	68	PV-355A-2XL-B
		160	33	2780	21,000	18	44	PV-160A-2XL-3B[1]
		200	33	4950	37,000	20	50	PV-200A-2XL-3B[1]
		250	33	9450	70,000	24	60	PV-250A-2XL-3B[1]
		315	33	16,600	123,000	26	66	PV-315A-2XL-3B[1]
		355	33	26,000	192,000	27	68	PV-355A-2XL-3B[1]
3	1000 V d.c.	350	50	31,000	161,200	26	65	PV-350A-3L-B
		400	50	44,500	231,400	33	82	PV-400A-3L-B
		500	50	85,000	442,000	34	85	PV-500A-3L-B
		600	50	137,000	712,400	43	108	PV-600A-3L-B

[1] PV-*A-2XL-3B have revised bolting patterns, which are identical to size 3L bolting pattern. This allows utilisation of both size 2XL and size 3L fuse links without changing the dimensional layout of the inverter, combiners and disconnects.

Catalogue numbers - PV-XL and PVS-3L fuse links, 1500 V d.c. - Bladed version

Fuse link body size	Rated voltage	Rated current (Amps)	Breaking capacity (IEC/UL) (kA)	I^2t (A^2 Sec)		Watts loss (W)		Catalogue numbers	
				Pre-arcing	Total at 1500 V d.c.	0.7 I_n	I_n	Bladed with top indicator	Bladed without top indicator
01	1500 V d.c.	50	30	175	1000	10	25	PV-50A-01XL-15	
		63	30	362	2250	10	26	PV-63A-01XL-15	
		80	30	565	3300	14	35	PV-80A-01XL-15	
		100	30	1100	6600	16	40	PV-100A-01XL-15	
		125	30	2200	10,500	18	44	PV-125A-01XL-15	
1	1500 V d.c.	100	30	1250	6000	24	43	PV-100A-1XL-15	
		125	30	1950	9360	25	52	PV-125A-1XL-15	
		160	30	4200	20,160	26	54	PV-160A-1XL-15	
		200	30	9400	45,120	31	60	PV-200A-1XL-15	
2	1500 V d.c.	125	30	2200	15,000	18	44	PV-125A-2XL-15	PV-125A-2XL-U-15
		160	30	5000	32,000	19	48	PV-160A-2XL-15	PV-160A-2XL-U-15
		200	30	8800	51,000	23	57	PV-200A-2XL-15	PV-200A-2XL-U-15
		250	30	16,600	85,000	28	70	PV-250A-2XL-15	PV-250A-2XL-U-15
3	1500 V d.c.	250	100	90,000	350,000	24	43	PVS250A-3L-15	PVS250A-3L-U-15
		315	100	175,000	460,000	22	55	PVS315A-3L-15	PVS315A-3L-U-15
		350	100	250,000	970,000	23	57	PVS350A-3L-15	PVS350A-3L-U-15
		355	100	250,000	970,000	23	59	PVS355A-3L-15	PVS355A-3L-U-15
		400	100	315,000	1,100,000	27	71	PVS400A-3L-15	PVS400A-3L-U-15
		450	100[2]	412,000	1,470,000	27	67	PV-450A-3L-15	PV-450A-3L-U-15
		500	100[2]	532,000	1,890,000	29	73	PV-500A-3L-15	PV-500A-3L-U-15

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1000-1500 V d.c. (IEC/UL) - 50 A to 600 A - XL and 3L Style - PV-XL and PVS-3L

Compatible fuse bases and microswitches - 1500 V d.c.- Bladed

Fuse type	Fuse link body size	Rated voltage	Compatible XL Bases	Compatible microswitches
Bladed with top indicator	01	1500 V d.c.	SD1XL-S-PV	170H0236/170H0238
	1	1500 V d.c.	SD1XL-S-PV	170H0236/170H0238
	2	1500 V d.c.	SD2XL-S-PV	170H0236/170H0238
	3	1500 V d.c.	SD3L-S-PV	170H0236/170H0238
Bladed without top indicator	2	1500 V d.c.	SD2XL-S-PV	
	3	1500 V d.c.	SD3L-S-PV	

Catalogue numbers - PV-XL and PVS-3L fuse links, 1500 V d.c. - Bolted version

Fuse link body size	Rated voltage	Rated current (Amps)	Breaking capacity (IEC/UL) (kA)	I^2t (A^2 Sec)		Watts loss (W)		Catalogue numbers	
				Pre-arcing	Total at 1500 V d.c.	0.7 I_n	I_n	Bolted version with side indicator	Bolted without side indicator
01	1500 V d.c.	50	30	175	1000	10	25	PV-50A-01XL-B-15	
		63	30	362	2250	10	26	PV-63A-01XL-B-15	
		80	30	565	3300	14	35	PV-80A-01XL-B-15	
		100	30	1100	6600	16	40	PV-100A-01XL-B-15	
		125	30	2200	10,500	18	44	PV-125A-01XL-B-15	
1	1500 V d.c.	100	30	1250	6000	24	43	PV-100A-1XL-B-15	
		125	30	1950	9360	25	52	PV-125A-1XL-B-15	
		160	30	4200	20,160	26	54	PV-160A-1XL-B-15	
		200	30	9400	45,120	31	60	PV-200A-1XL-B-15	
2	1500 V d.c.	125	30	2200	15,000	18	44	PV-125A-2XL-B-15	PV-125A-2XL-BU-15
		160	30	5000	32,000	19	48	PV-160A-2XL-B-15	PV-160A-2XL-BU-15
		200	30	8800	51,000	23	57	PV-200A-2XL-B-15	PV-200A-2XL-BU-15
		250	30	16,600	85,000	28	70	PV-250A-2XL-B-15	PV-250A-2XL-BU-15
		125	30	2200	15,000	18	44	PV-125A-2XL-3B-15[1]	PV-125A-2XL-3BU-15[1]
		160	30	5000	32,000	19	48	PV-160A-2XL-3B-15[1]	PV-160A-2XL-3BU-15[1]
		200	30	8800	51,000	23	57	PV-200A-2XL-3B-15[1]	PV-200A-2XL-3BU-15[1]
		250	30	16,600	85,000	28	70	PV-250A-2XL-3B-15[1]	PV-250A-2XL-3BU-15[1]
3	1500 V d.c.	250	100	90,000	350,000	16	42	PVS250A-3L-B-15	PVS250A-3L-BU-15
		315	100	175,000	460,000	21	52	PVS315A-3L-B-15	PVS315A-3L-BU-15
		350	100	250,000	970,000	21	54	PVS350A-3L-B-15	PVS350A-3L-BU-15
		355	100	250,000	970,000	22	57	PVS355A-3L-B-15	PVS355A-3L-BU-15
		400	100	315,000	1,100,000	25	66	PVS400A-3L-B-15	PVS400A-3L-BU-15
		450	100[2]	412,000	1,470,000	27	67	PV-450A-3L-B-15	PV-450A-3L-BU-15
		500	100[2]	532,000	1,890,000	29	73	PV-500A-3L-B-15	PV-500A-3L-BU-15

[1] PV-*A-2XL-3B-15 have revised bolting patterns, which are identical to size 3L bolting pattern. This allows utilisation of both size 2XL and size 3L fuse links without changing the dimensional layout of the inverter, combiners and disconnects.

[2] 100 kA at time constant 6 mS.

Compatible microswitches - 1500 V d.c.- Bolted with side indicator

Fuse type	Fuse link body size	Rated voltage	Compatible microswitches
Bolted version with side indicator	01 to 3	1500 V d.c.	170H0069

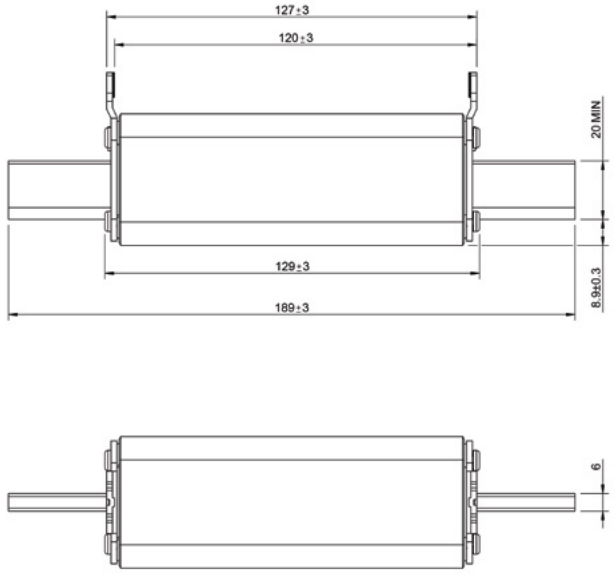
Data sheets: PV-XL 10201 and PVS-3L TD135020EN

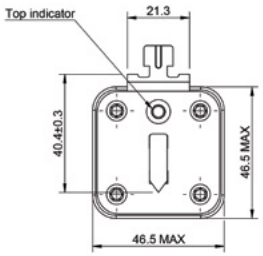
Downloaded from Arrow.com.

Photovoltaic fuse links, fuse bases and holders

1000-1500 V d.c. (IEC/UL) - 50 A to 600 A - XL and 3L Style - PV-XL and PVS-3L

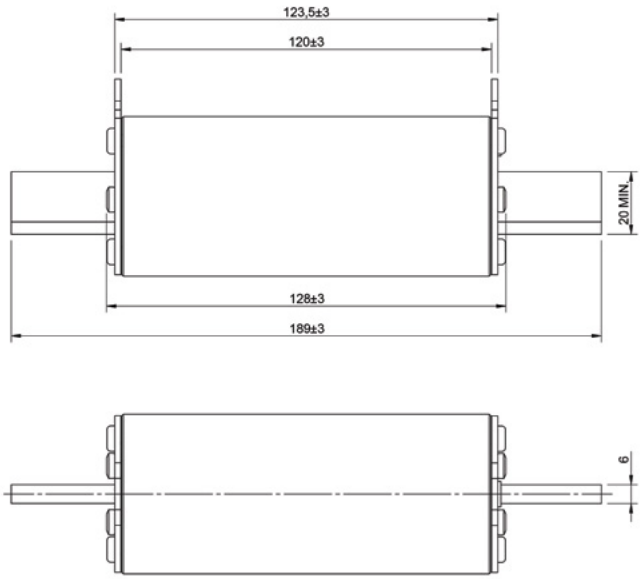
Dimensions (mm) - Size 01, bladed

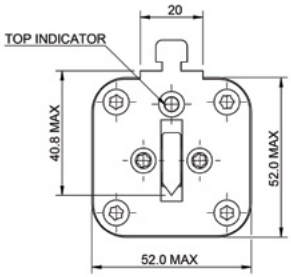


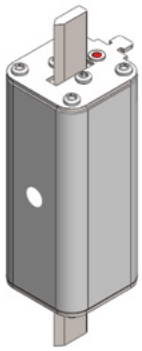




Dimensions (mm) - Size 1, bladed





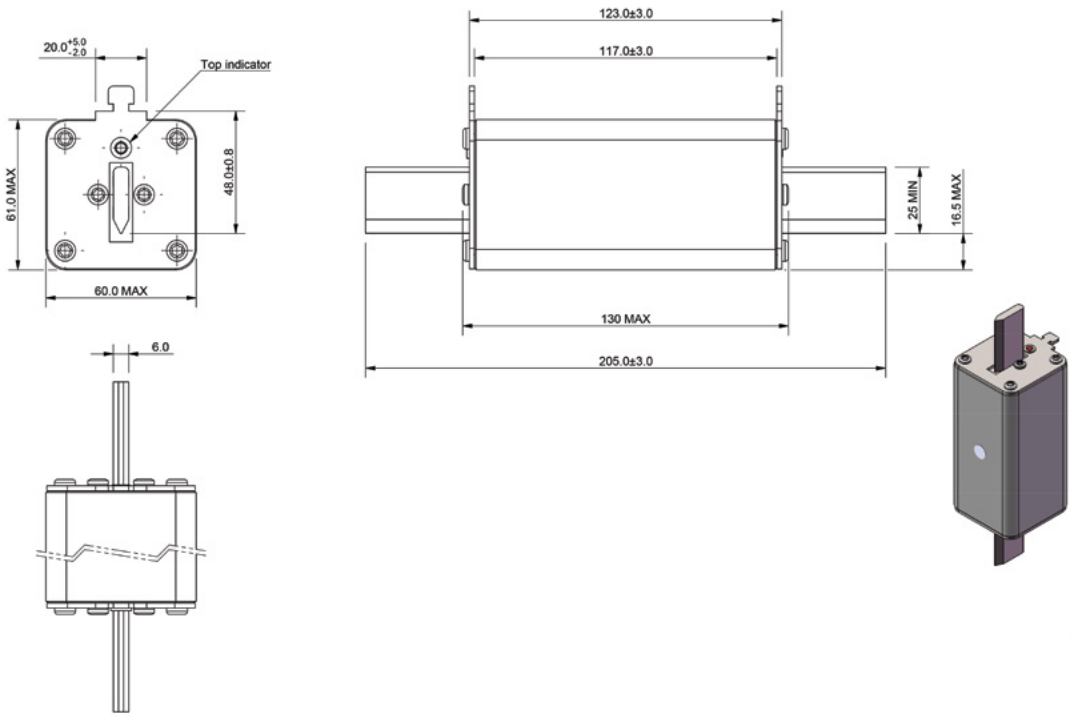


Data sheets: PV-XL 10201 and PVS-3L TD135020EN

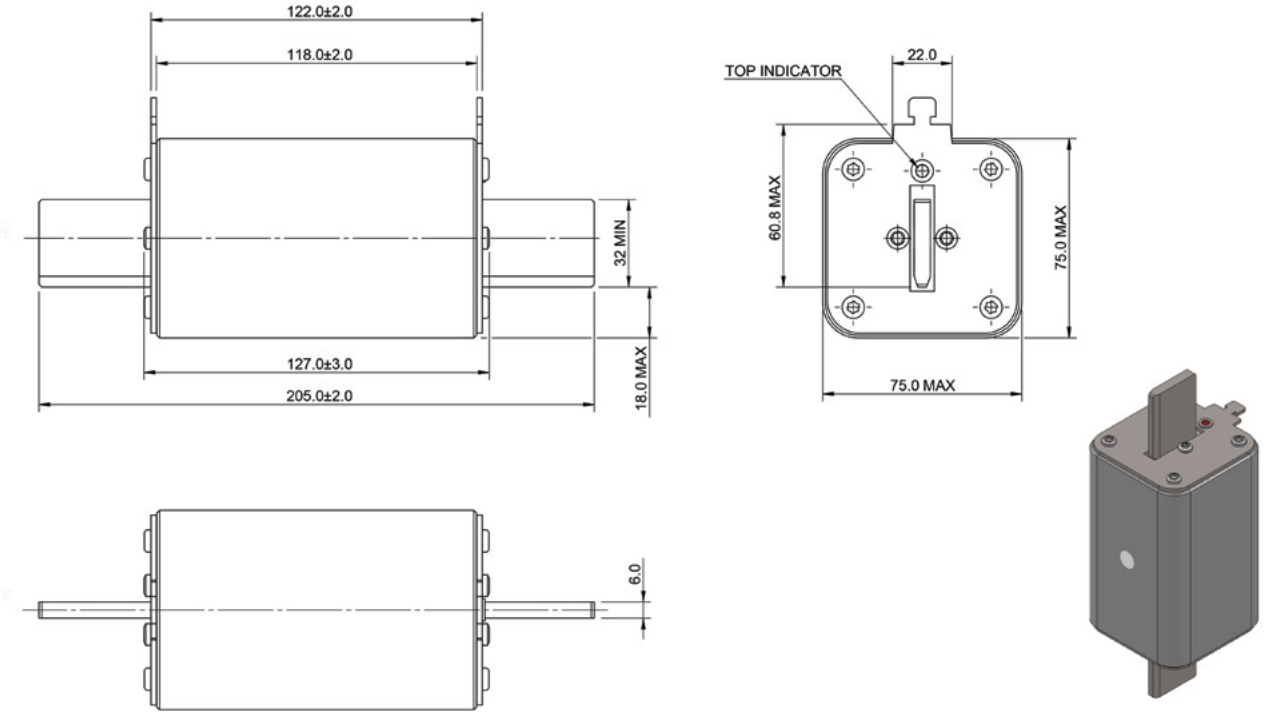
Downloaded from Arrow.com.

1000-1500 V d.c. (IEC/UL) - 50 A to 600 A - XL and 3L Style - PV-XL and PVS-3L

Dimensions (mm) - Size 2, bladed



Dimensions (mm) - Size 3, bladed



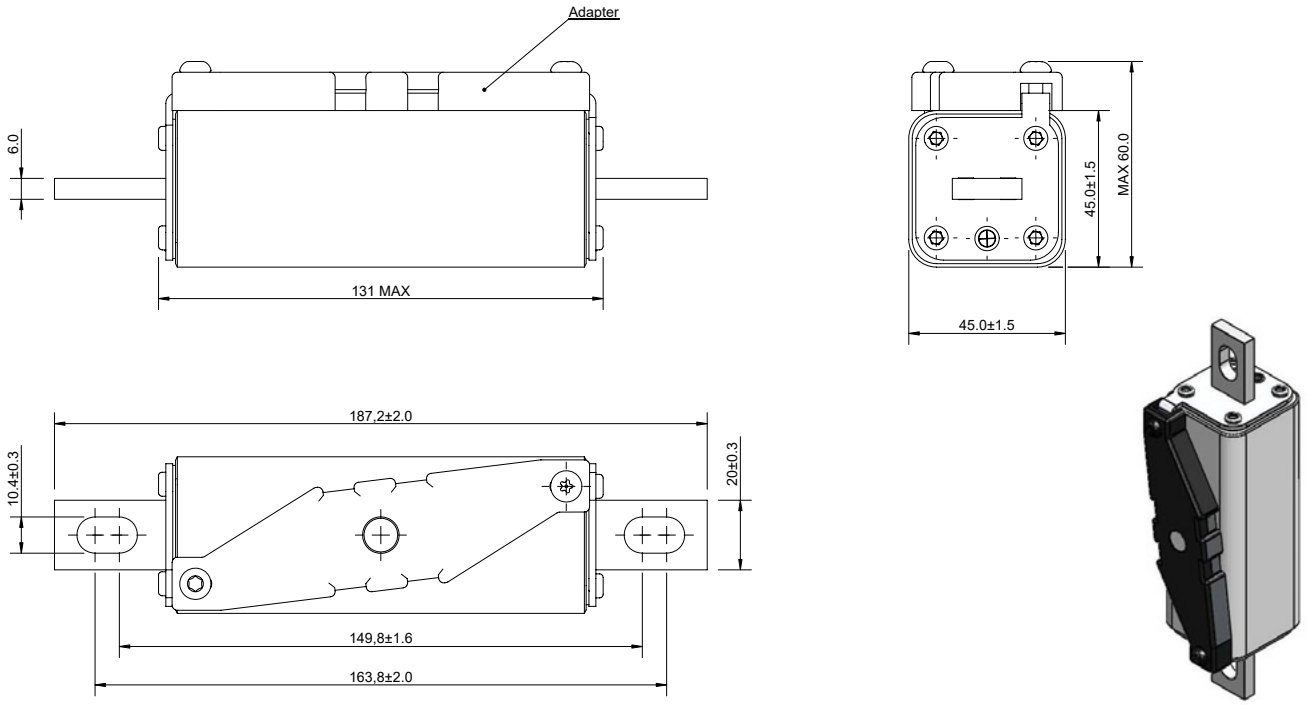
Data sheets: PV-XL 10201 and PVS-3L TD135020EN

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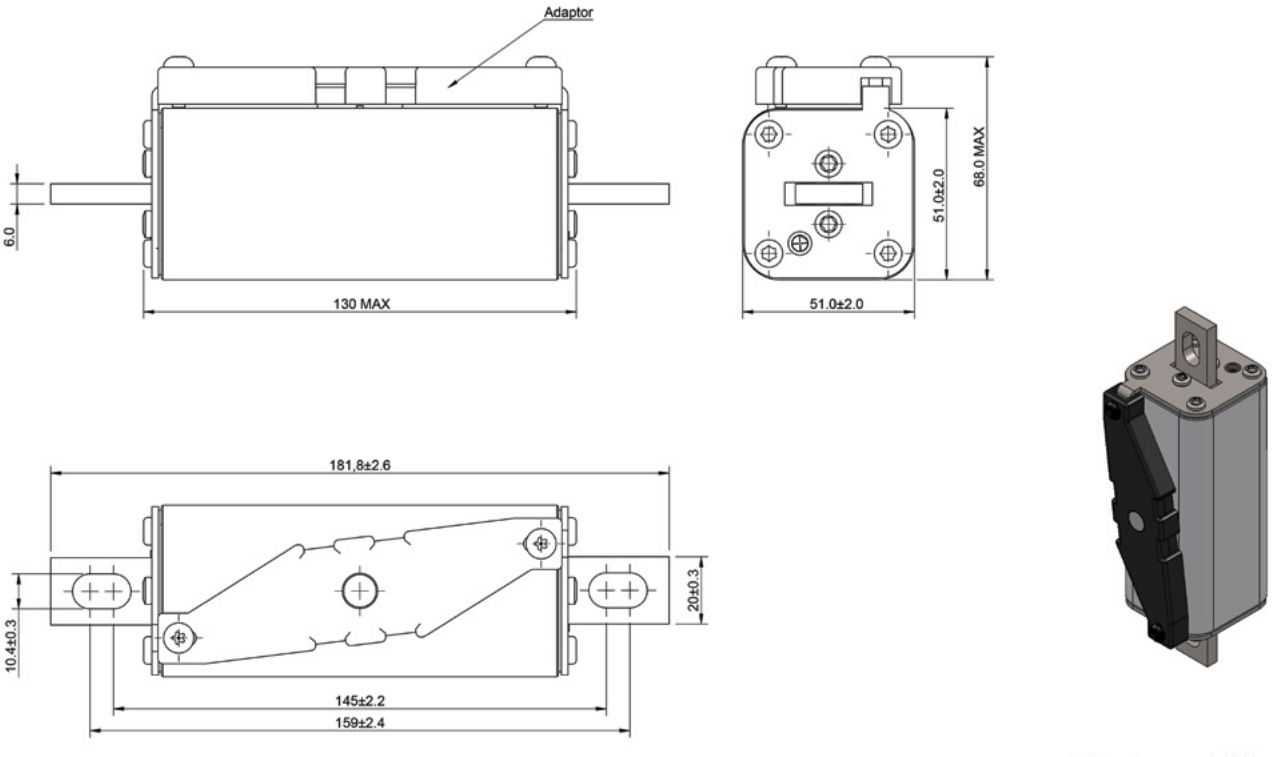
Photovoltaic fuse links, fuse bases and holders

1000-1500 V d.c. (IEC/UL) - 50 A to 600 A - XL and 3L Style - PV-XL and PVS-3L

Dimensions (mm) - Size 01, bolted



Dimensions (mm) - Size 1, bolted

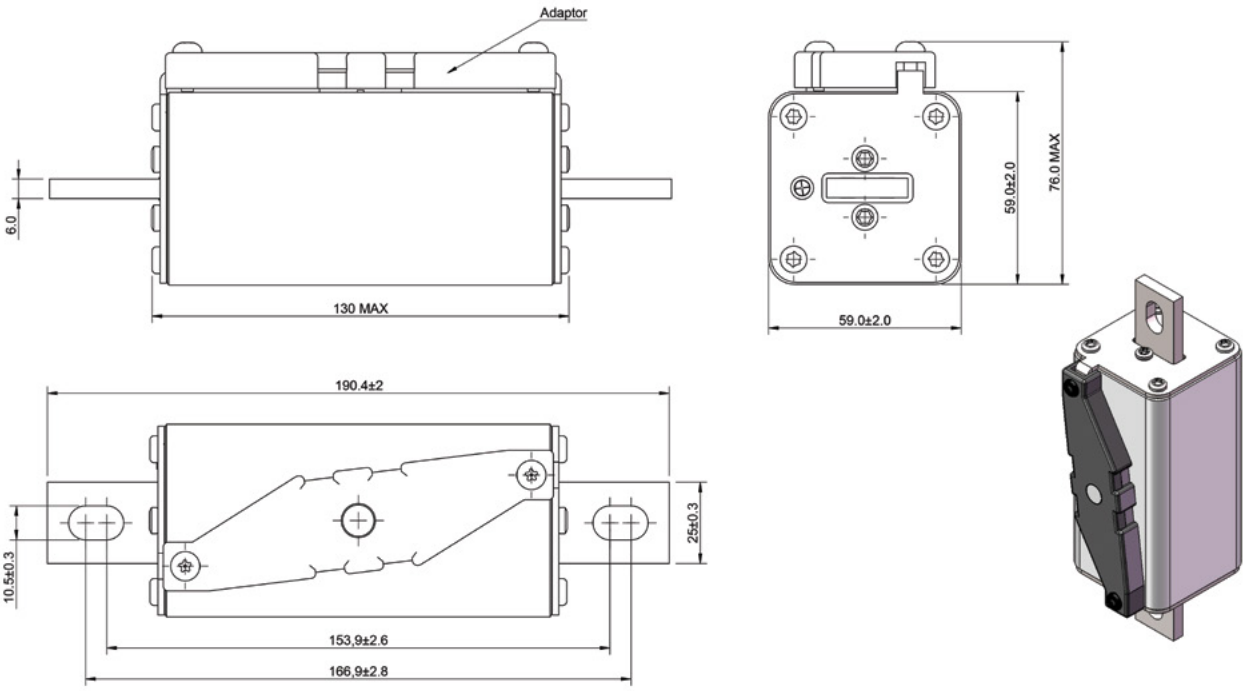


Data sheets: PV-XL 10201 and PVS-3L TD135020EN

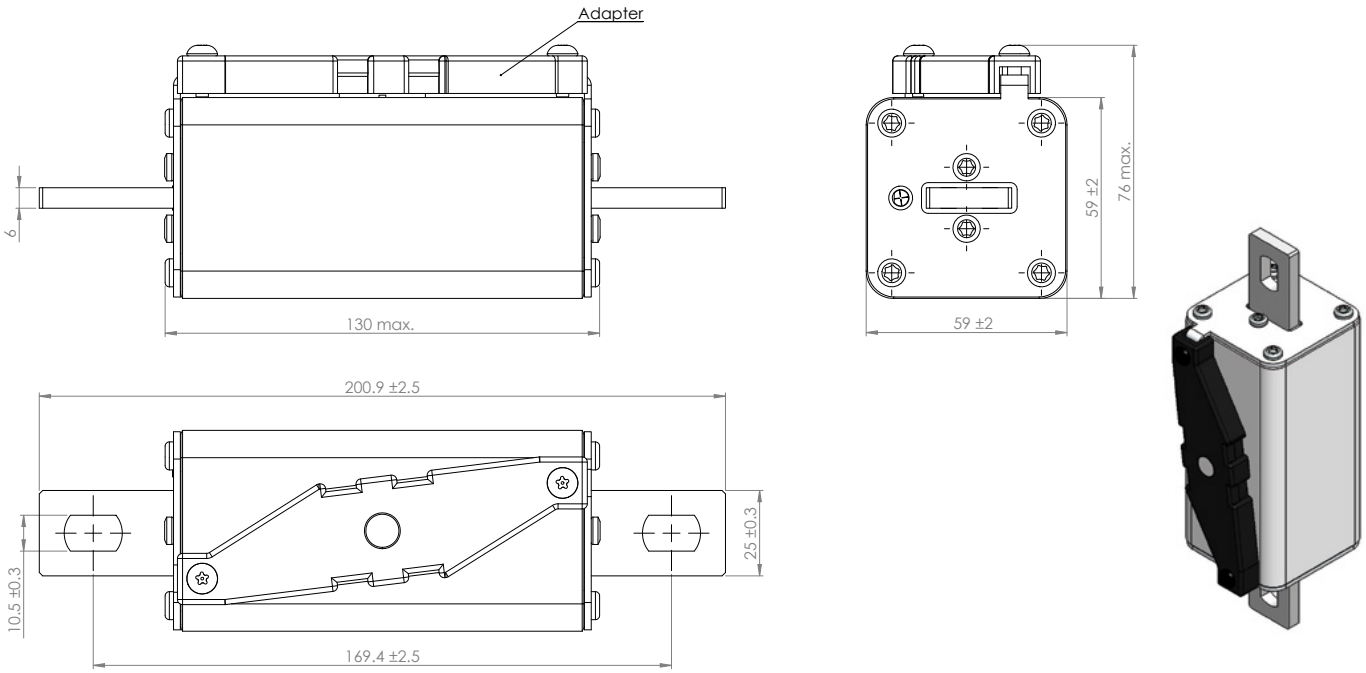
Downloaded from Arrow.com.

1000-1500 V d.c. (IEC/UL) - 50 A to 600 A - XL and 3L Style - PV-XL and PVS-3L

Dimensions (mm) - Size 2, bolted



Dimensions (mm) - Size 2XL-3B, bolted



PV-*A-2XL-3B and PV-*A-2XL-3B-15 have revised bolting patterns, which are identical to size 3L bolting pattern. This allows utilisation of both size 2XL and size 3L fuse links without changing the dimensional layout of the inverter, combiners and disconnects.

Mounting dimensions comparison

2XL-3B	3L
169.4	170.8

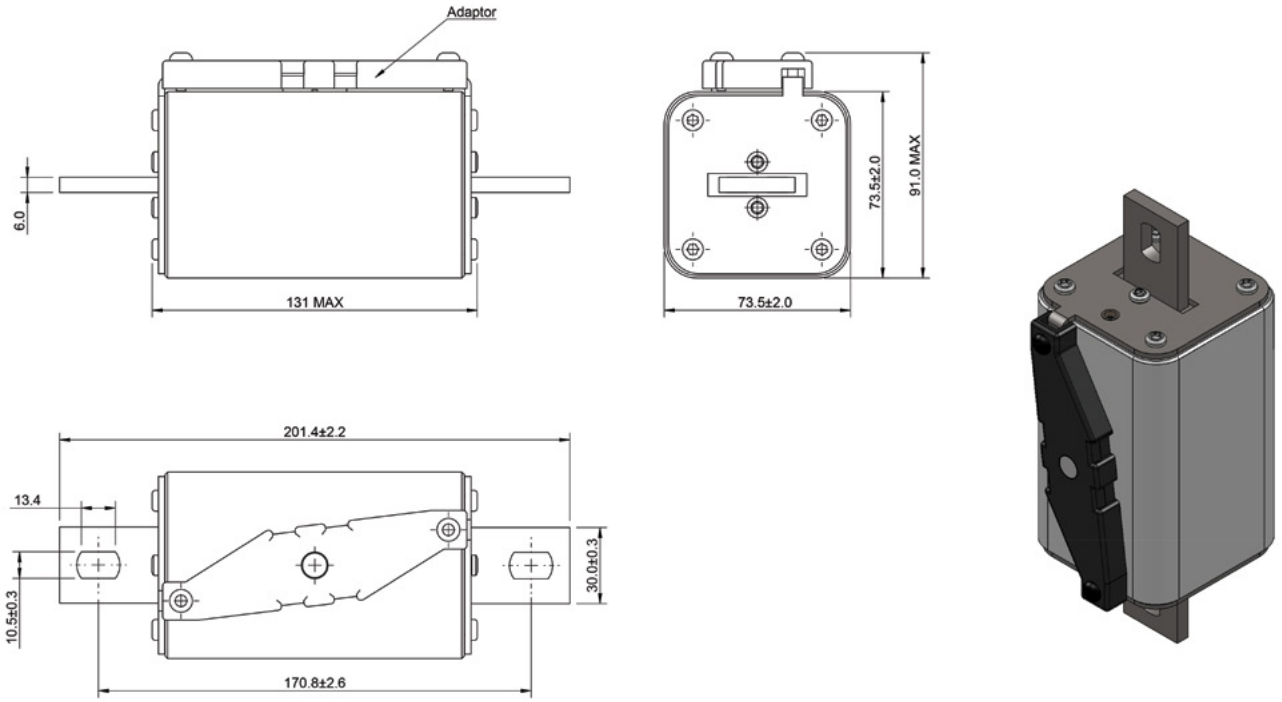
Data sheets: PV-XL 10201 and PVS-3L TD135020EN

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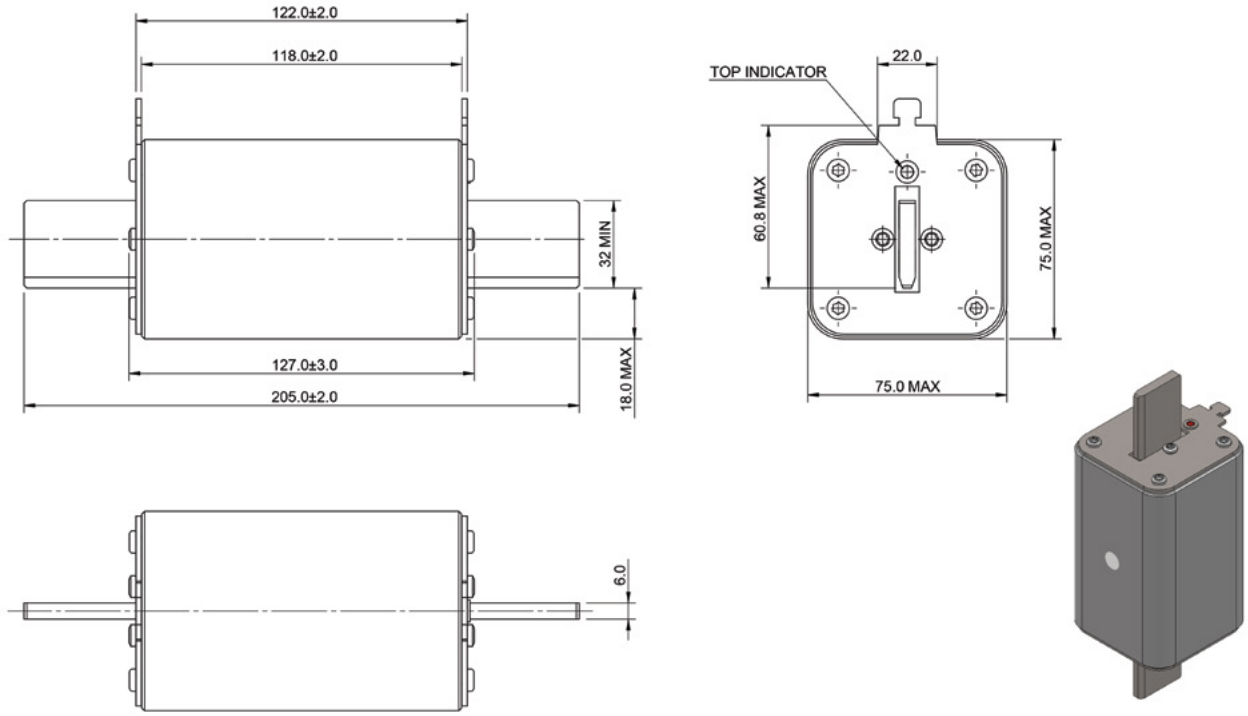
Photovoltaic fuse links, fuse bases and holders

1000-1500 V d.c. (IEC/UL) - 50 A to 600 A - XL and 3L Style - PV-XL and PVS-3L

Dimensions (mm) - Size 3, bolted



Dimensions (mm) - Size 3L Bladed with and without top indicator

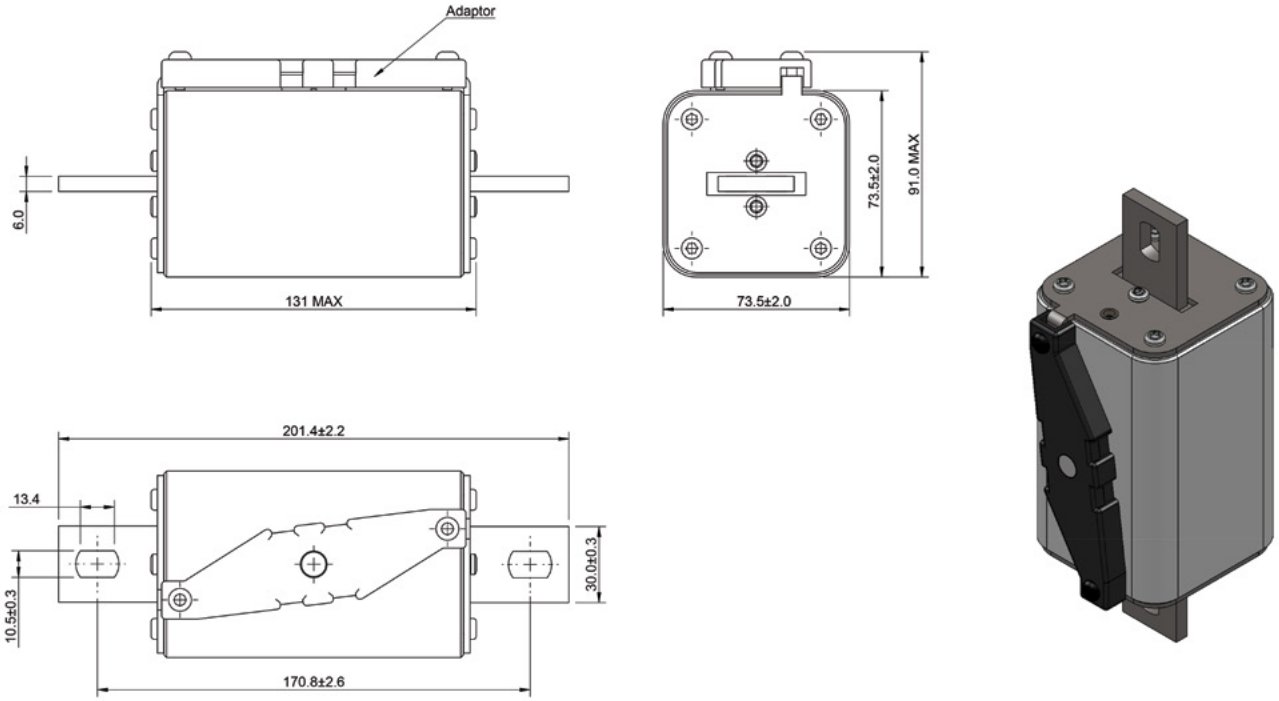


Data sheets: PV-XL 10201 and PVS-3L TD135020EN

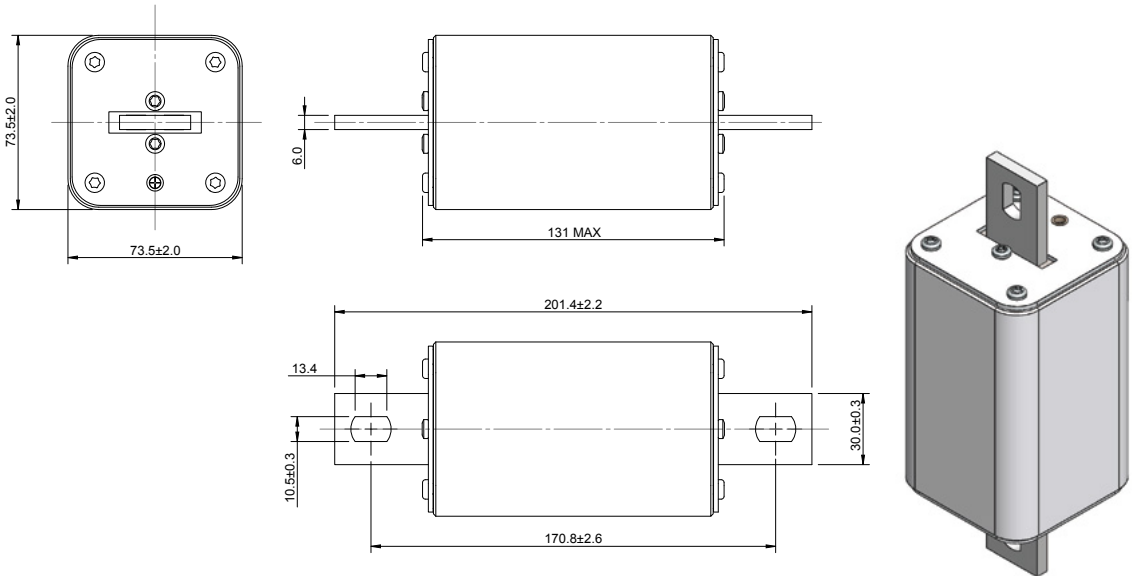
Downloaded from Arrow.com.

1000-1500 V d.c. (IEC/UL) - 50 A to 600 A - XL and 3L Style - PV-XL and PVS-3L

Dimensions (mm) - Size 3L Bolted with side indicator



Dimensions (mm) - Size 3L Bolted without side indicator

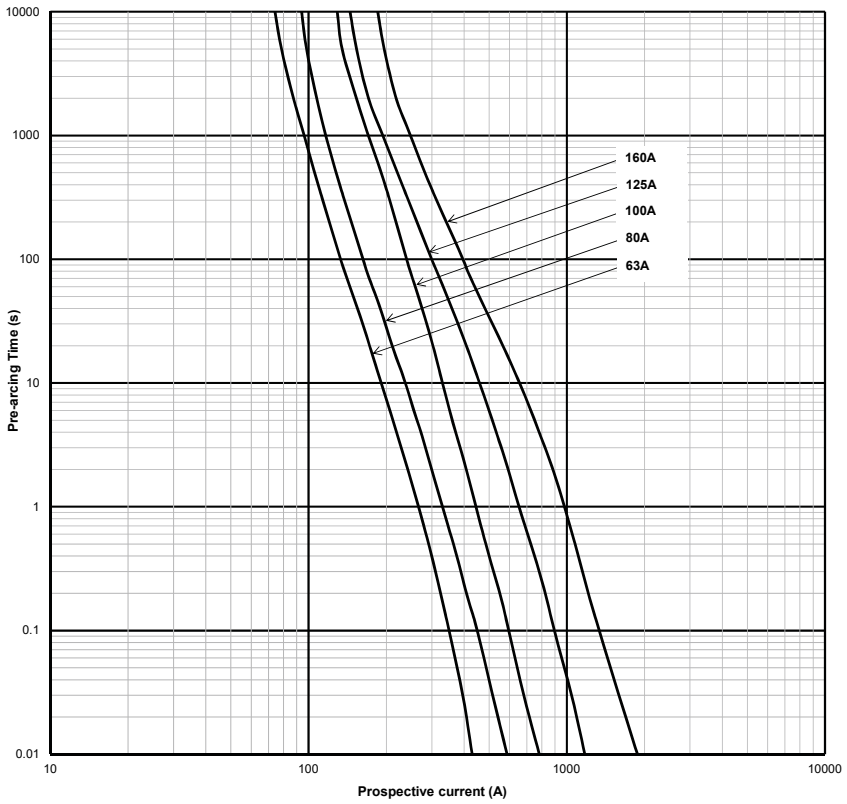


Data sheets: PV-XL 10201 and PVS-3L TD135020EN

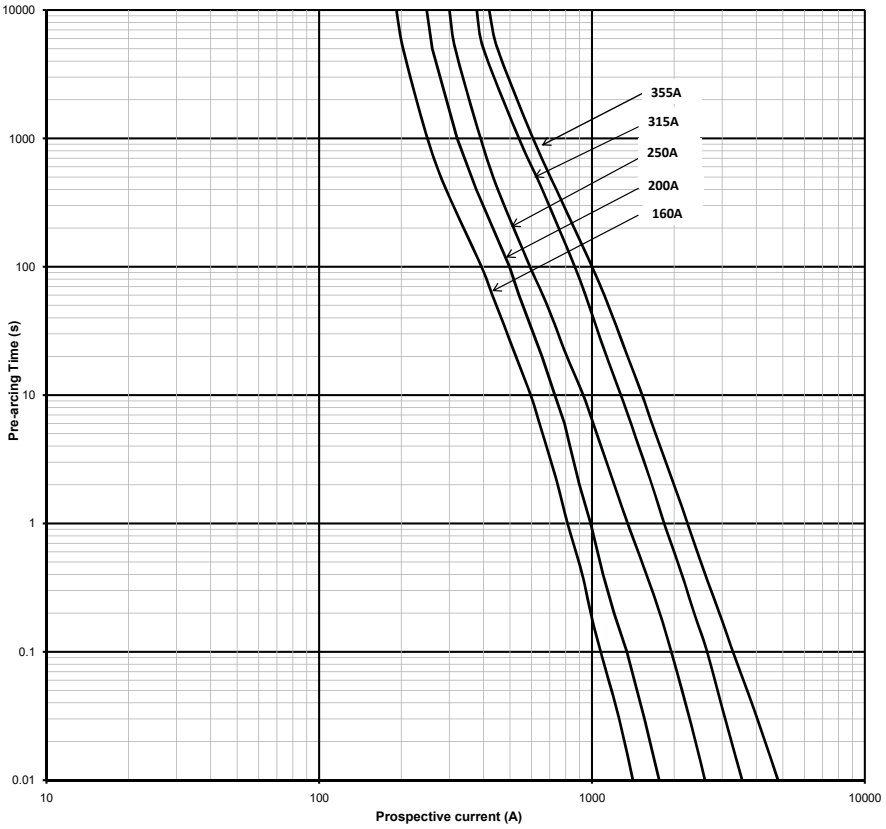
Downloaded from Arrow.com.

1000-1500 V d.c. (IEC/UL) - 50 A to 600 A - XL and 3L Style - PV-XL and PVS-3L

Time-current curve - Size 01XL, bladed and bolted, 1000 V d.c., 63 A to 160 A



Time-current curve - Size 2XL, bladed and bolted, 1000 V d.c., 160 A to 355 A

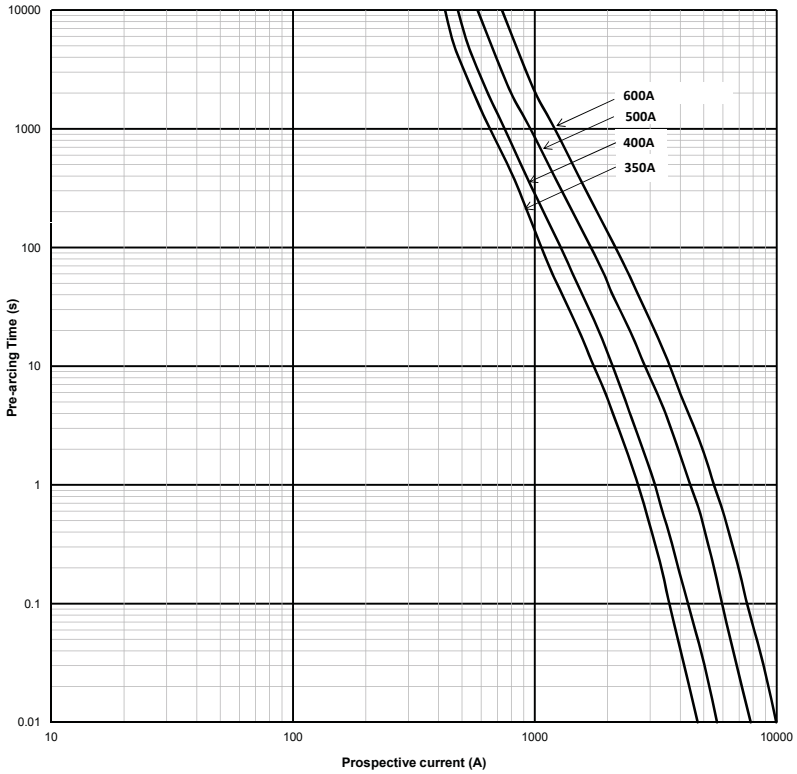


Data sheets: PV-XL 10201 and PVS-3L TD135020EN

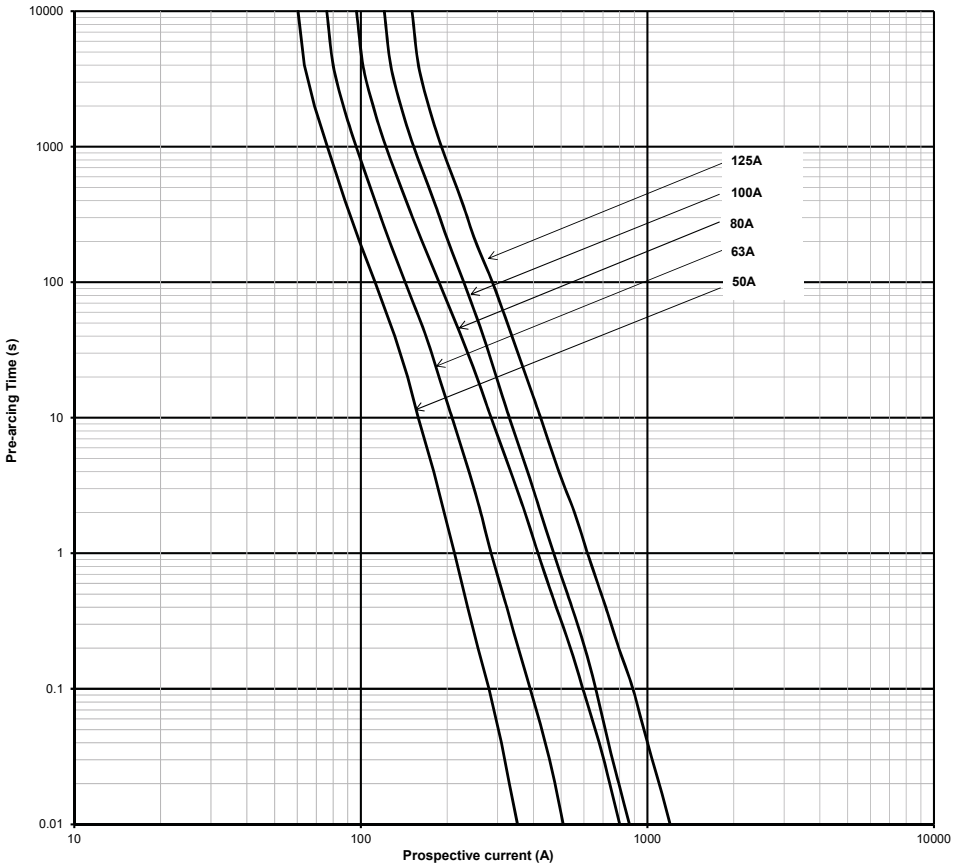
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1000-1500 V d.c. (IEC/UL) - 50 A to 600 A - XL and 3L Style - PV-XL and PVS-3L

Time-current curve - Size 3L, bladed and bolted, 1000 V d.c., 350 A to 600 A



Time-current curve - Size 01XL, bladed and bolted, 1500 V d.c., 50 A to 125 A

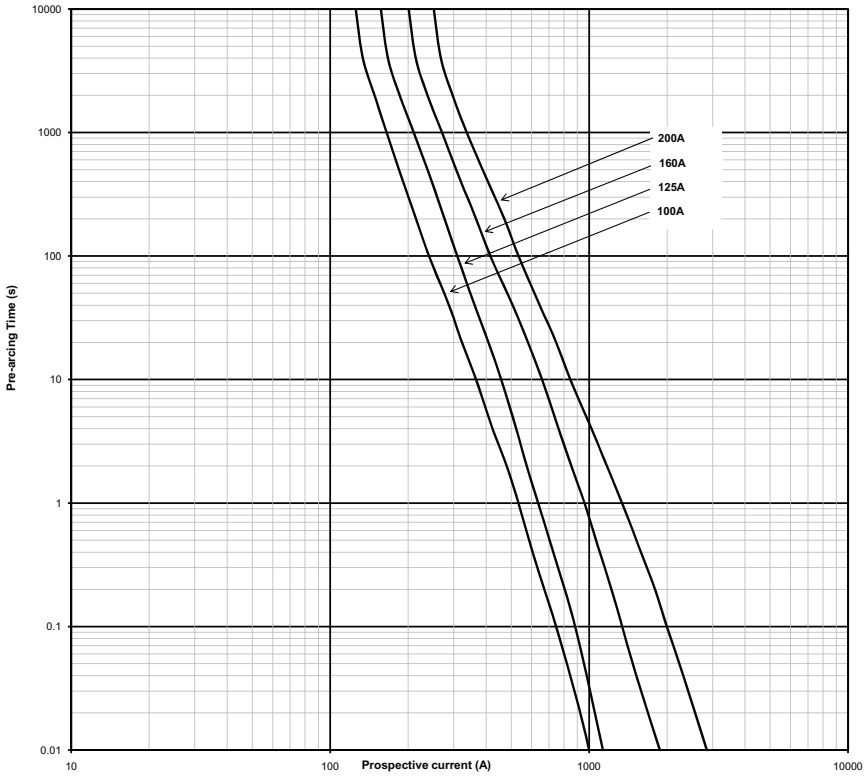


Data sheets: PV-XL 10201 and PVS-3L TD135020EN

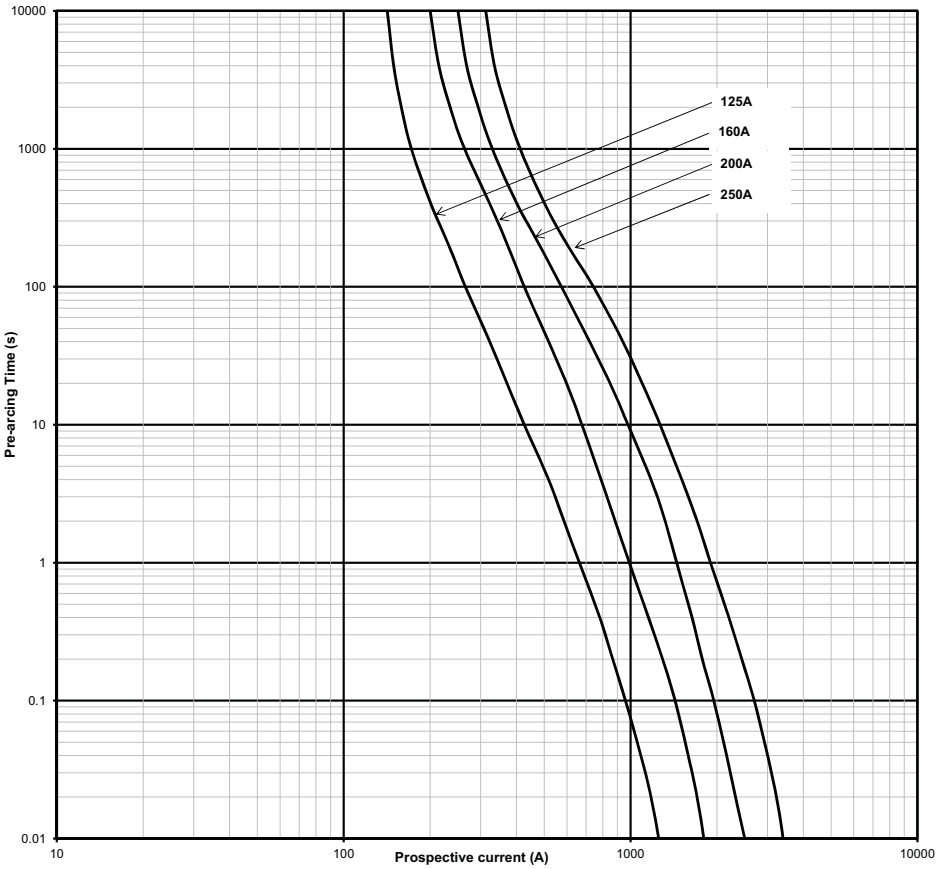
Downloaded from Arrow.com.

1000-1500 V d.c. (IEC/UL) - 50 A to 600 A - XL and 3L Style - PV-XL and PVS-3L

Time-current curve - Size 1XL, bladed and bolted, 1500 V d.c., 100 A to 200 A



Time-current curve - Size 2XL, bladed and bolted, 1500 V d.c., 125 A to 250 A

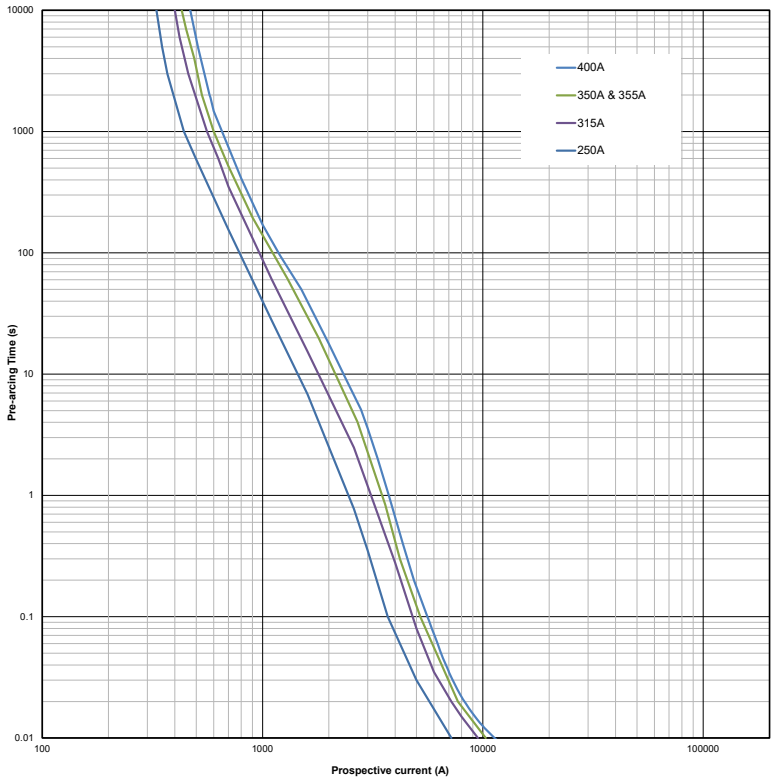


Data sheets: PV-XL 10201 and PVS-3L TD135020EN

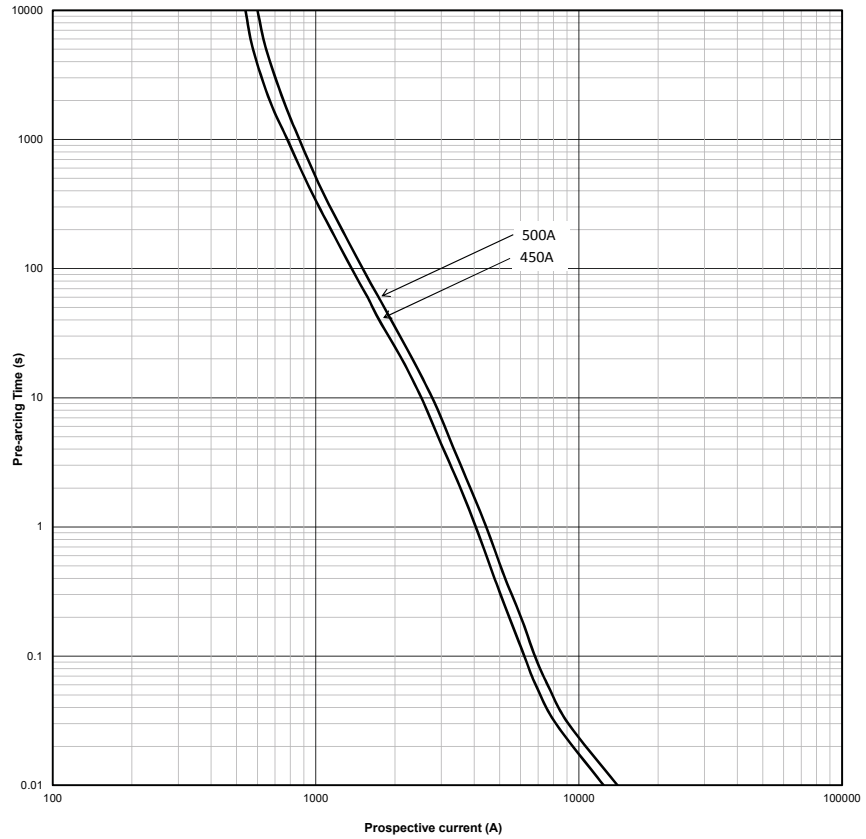
Downloaded from Arrow.com.

1000-1500 V d.c. (IEC/UL) - 50 A to 600 A - XL and 3L Style - PV-XL and PVS-3L

Time-current curve - PVS-3L 1500 V d.c., 250 A to 400 A



Time-current curve - Size 3L, bladed and bolted, 1500 V d.c., 450 A and 500 A

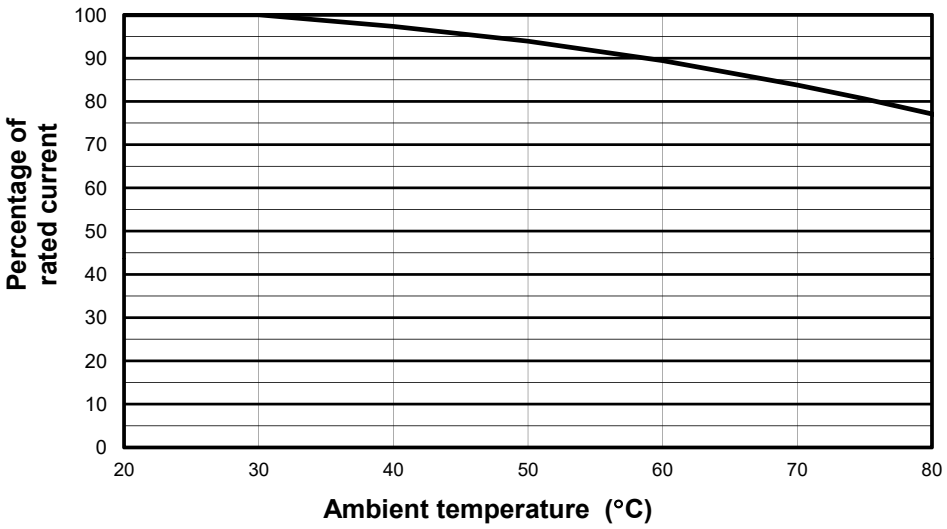


Data sheets: PV-XL 10201 and PVS-3L TD135020EN

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1000-1500 V d.c. (IEC/UL) - 50 A to 600 A - XL and 3L Style - PV-XL and PVS-3L

Temperature derating curve



Data sheets: PV-XL 10201 and PVS-3L TD135020EN

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1500 V d.c. (IEC) - 200 A to 500 A - sizes 1 to 3 - XL fuse bases - SD-S-PV

Description

Sizes 1 to 3 XL Fuse bases specifically designed for use with the Bussmann series range of XL PV (Photovoltaic) fuse links.



Technical data

- Rated voltage: 1500 V d.c. (IEC)
- Rated current: 200 A, 400 A and 630 A
- Fuse base size: 1 to 3
- Compatible fuse links: PV XL

Standards / Agency information

- IEC 60269-1
- UL Listed (file number E348242)

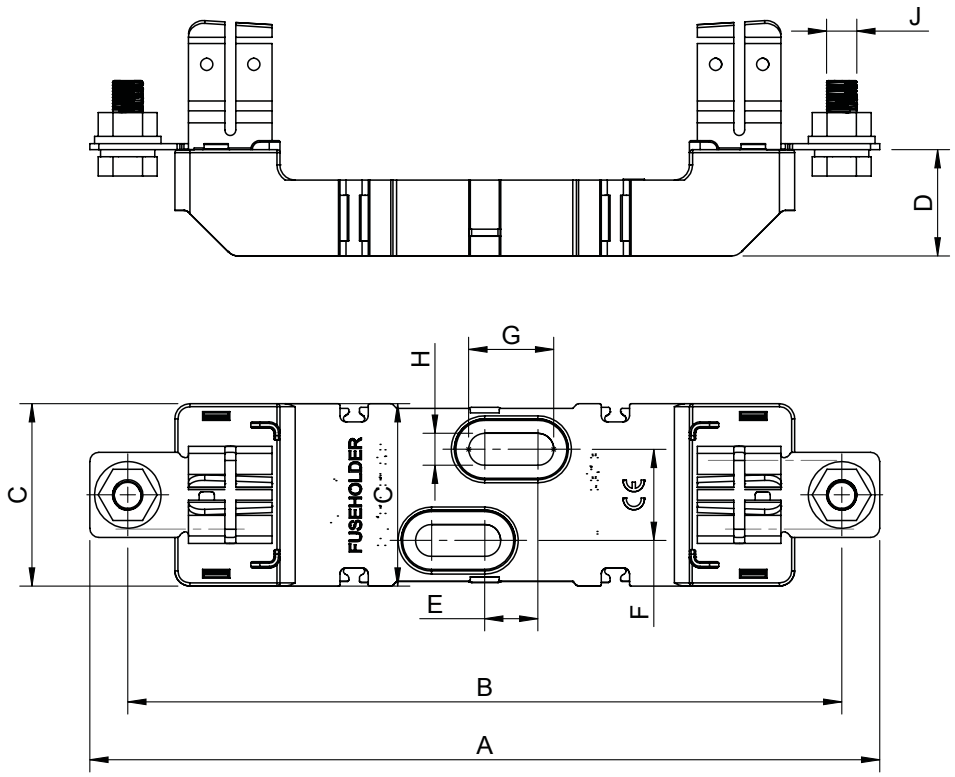
Accessories:

Fuse extraction handle available in sizes 01XL to 3L

Part numbers: FEH1500B

Unit packing: 1

Dimensions (mm)



Catalogue numbers	XL Style fuse link size	Maximum fuse rated current (Amps)	Power acceptance	A	B	C	D	E	F	G	H	J
SD1XL-S-PV	01XL, 1XL	200	57W	260	235	60	35	17.5	30	28	10.5	M10
SD2XL-S-PV	2XL	400	75W	285	260	60	35	17.5	30	28	10.5	M12
SD3L-S-PV	3L	500	108W	300	270	60	35	17.5	30	28	10.5	M12

Data sheet: 10066

Downloaded from Arrow.com.

Photovoltaic fuse links, fuse bases and holders

800 V a.c. (IEC/UL) - 32 A to 400 A - NH 170M

Description

Eaton's Bussmann series NH size 800 V a.c. fuse links are specifically designed to meet the needs of branch circuit and transformer protection in photovoltaic inverter systems. The fuse links are capable of interrupting low overcurrents associated with faulted PV systems (reverse current, multi-array fault).



Technical data

- Rated voltage: 800 V a.c.
- Rated current: 32 A to 400 A
- Breaking capacity: 65 kA
- Operating class: gR

Compatible fuse base

SD-D-PV see details page 352

Microswitches, for use with bladed version

- 170H0236
- 170H0238

Standards / Agency information

UL 248-13 (file number E125085), IEC 60269-4 (see details below)

Catalogue numbers

Fuse link body size	Rated voltage	Rated current (Amps)	I^2t (A^2 Sec) Pre-arcing	I^2t (A^2 Sec) Total at 800 V a.c.	Watts loss (W) I_n	Catalogue numbers Bladed with lugs	Catalogue numbers Blade with bolt holes no lugs
NH1	800 V a.c.	32	80	2000	8	170M7350	
		40	185	3000	9	170M7351	
		50	400	6000	11	170M7352	
		63	470	7000	12	170M7353*	170M7353-B*
		80	640	9000	15	170M7354	170M7354-B
		100	1300	17000	16	170M7355	170M7355-B
		125	2600	34000	17	170M7356*	170M7356-B*
		160	5200	68000	27	170M7357*	170M7357-B*
		200	10200	140000	25	170M7358*	170M7358-B*
NH2	800 V a.c.	160	4600	36800	28	170M7397	170M7397-B
		200	9500	76000	32	170M7398	170M7398-B
		250	17000	136000	38	170M7399	170M7399-B
NH3	800 V a.c.	315	32000	230000	44	170M7400*	170M7400-B*
		355	44500	320000	46	170M7401*	
		400	67500	480000	50	170M7402*	
		355	38000	270000	48		170M7401-B*
		400	61000	430000	50		170M7402-B*

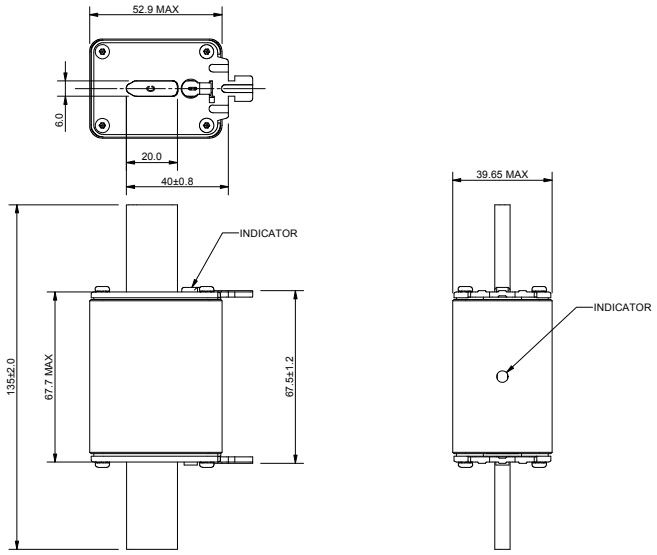
*UL 248-13 and IEC 60269-4

Data sheet: 10784

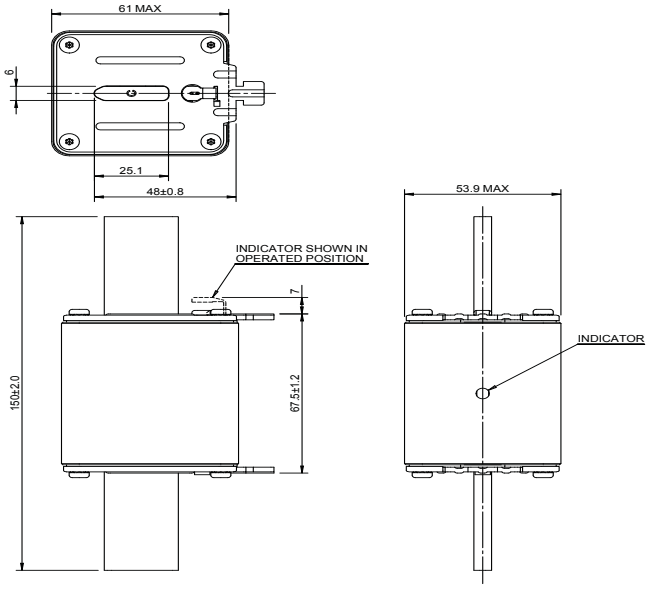
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800 V a.c. (IEC/UL) - 32 A to 400 A - NH 170M

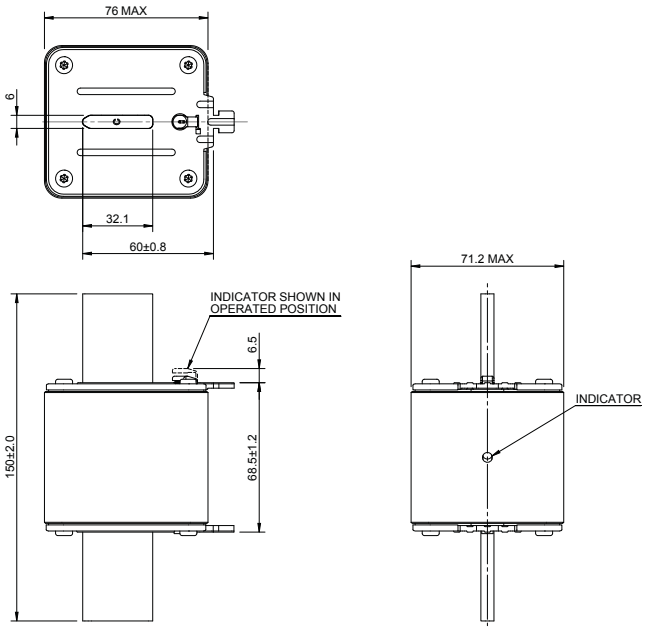
Dimensions (mm) - NH1, bladed with lugs



Dimensions (mm) - NH2, bladed with lugs



Dimensions (mm) - NH3, bladed with lugs



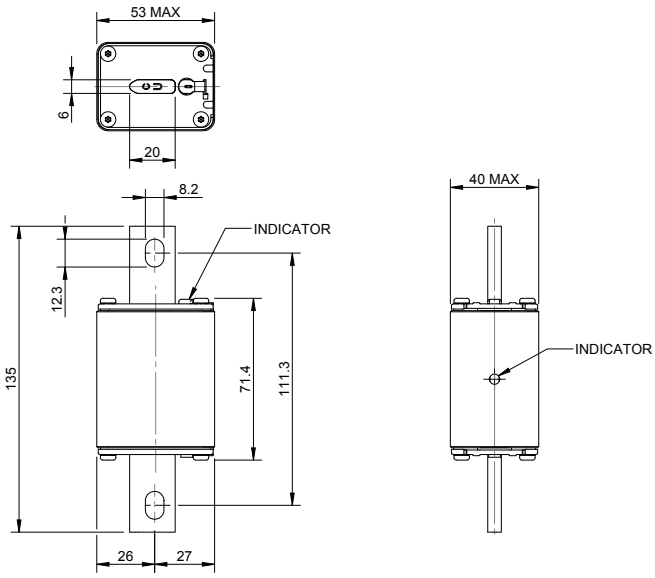
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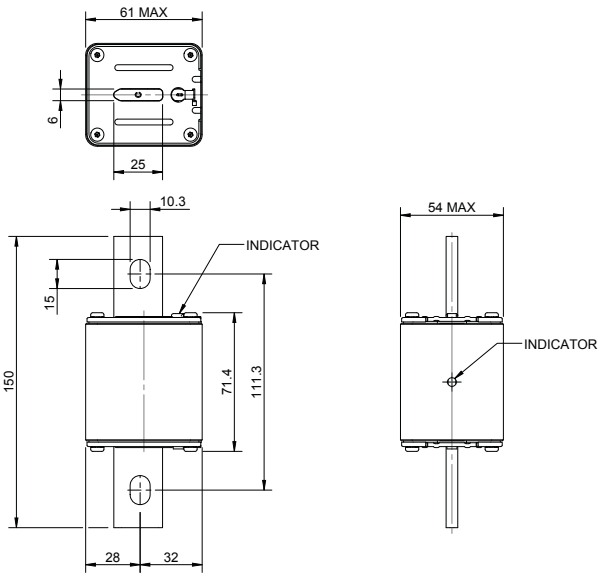
Photovoltaic fuse links, fuse bases and holders

800 V a.c. (IEC/UL) - 32 A to 400 A - NH 170M

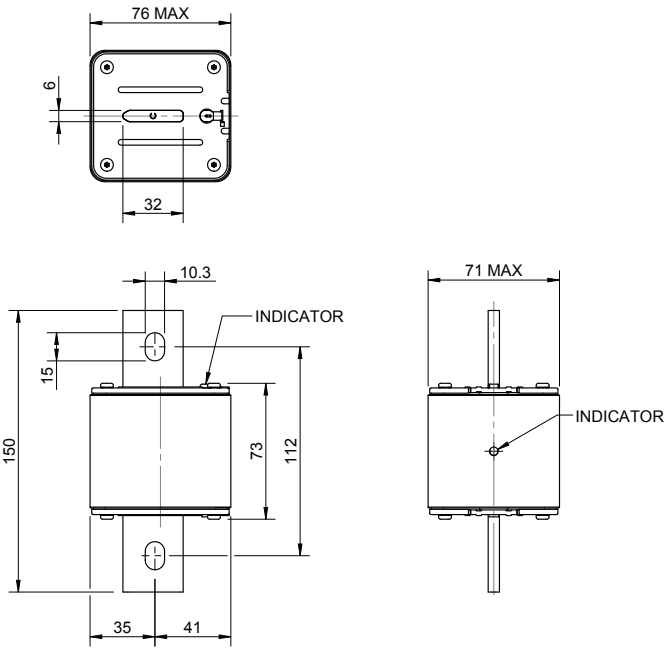
Dimensions (mm) - NH1,bolt holes no lugs



Dimensions (mm) - NH2, bolt holes no lugs



Dimensions (mm) - NH3, bolt holes no lugs

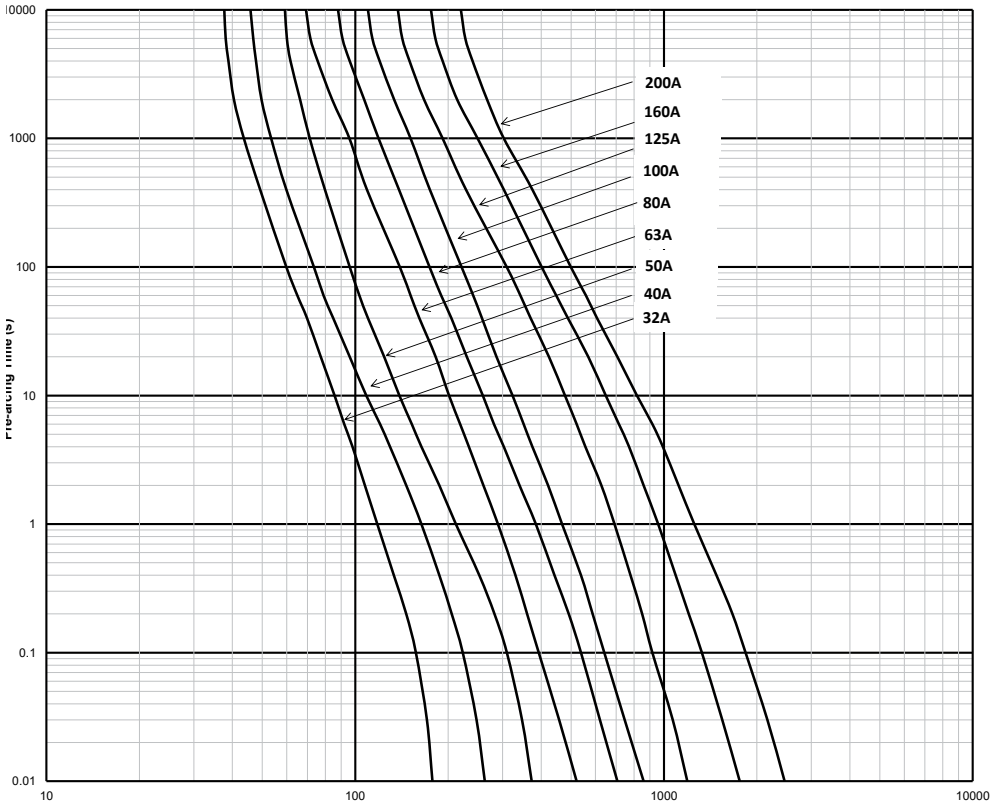


Data sheet: 10784

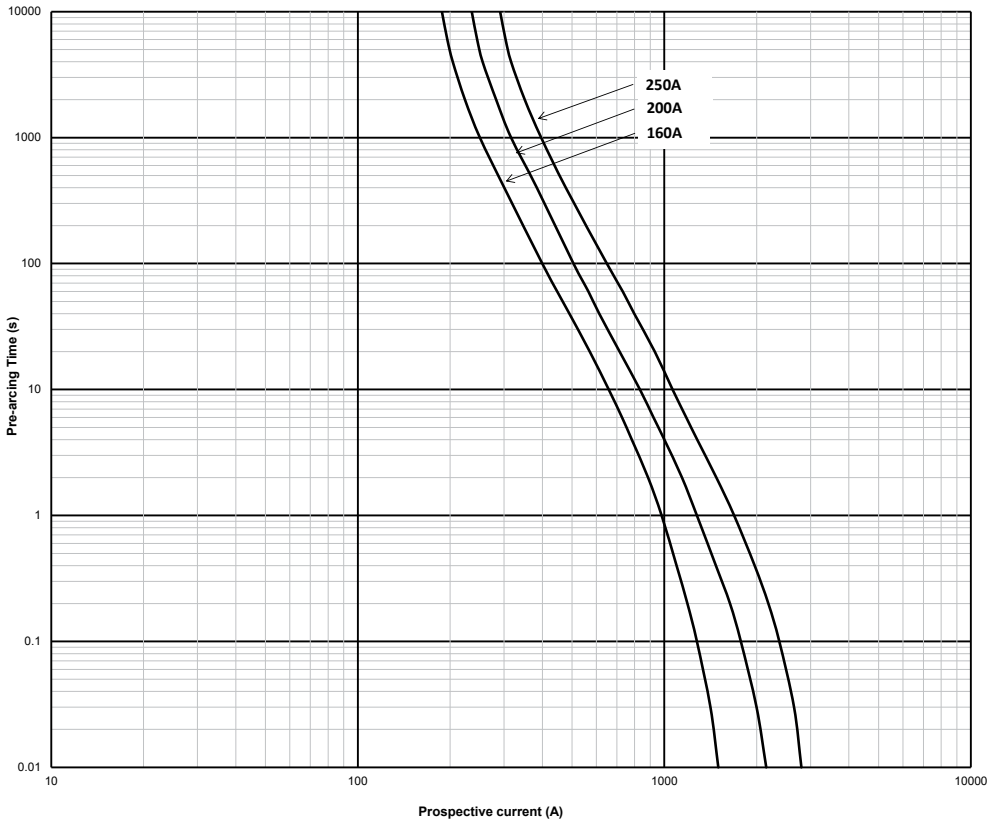
Downloaded from Arrow.com.

800 V a.c. (IEC/UL) - 32 A to 400 A - NH 170M

Time-current curve - Size 1, 32 A to 200 A



Time-current curve - Size 2, 160 A to 250 A

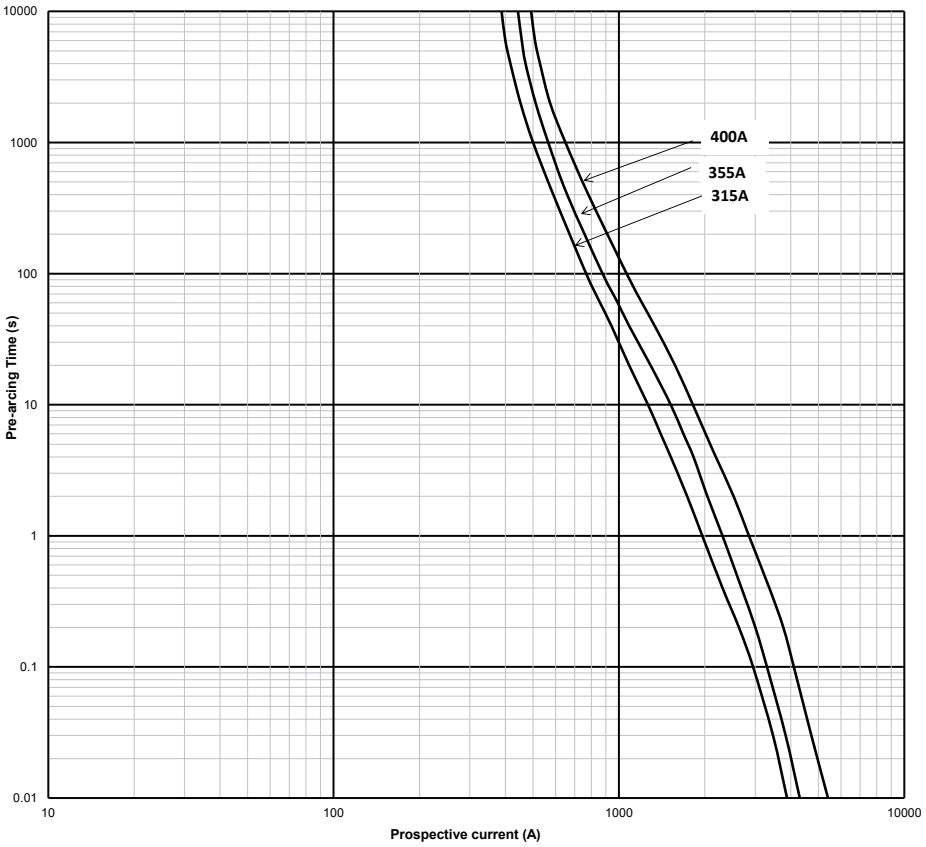


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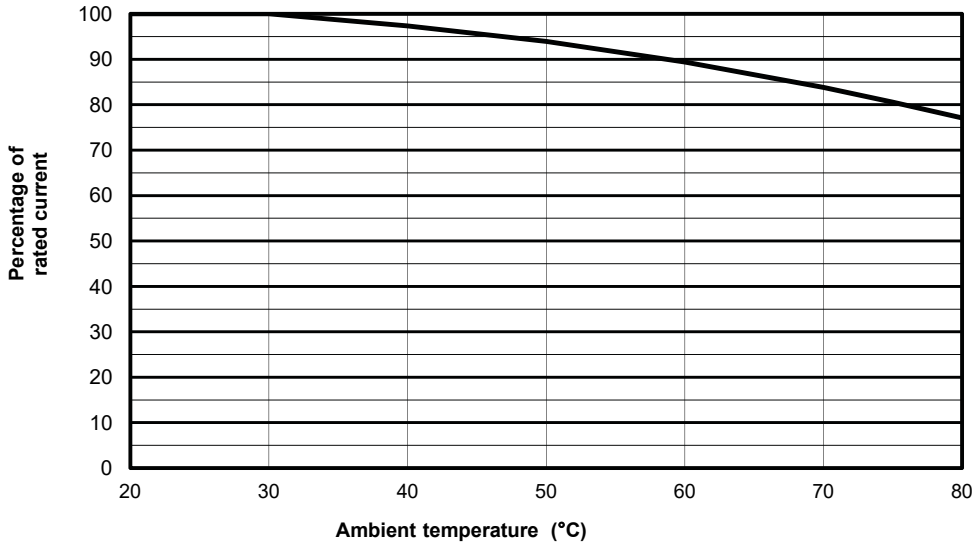
Downloaded from Arrow.com.

800 V a.c. (IEC/UL) - 32 A to 400 A - NH 170M

Time-current curve - Size 3, 315 A to 400 A



Temperature derating curve

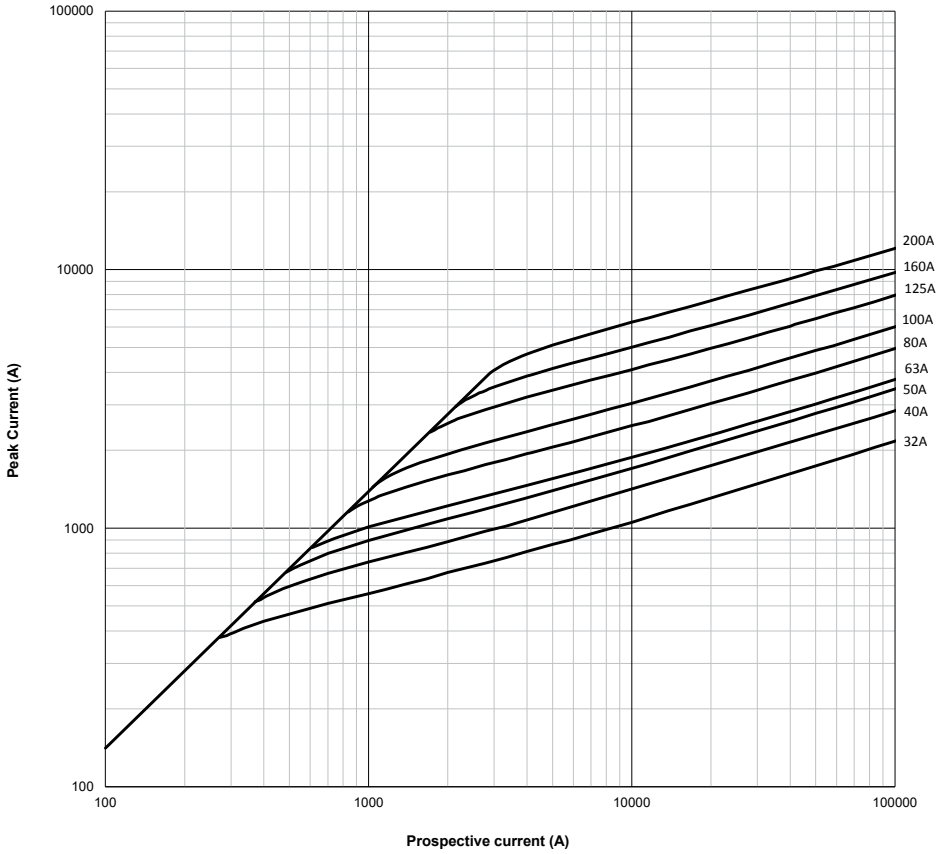


Data sheet: 10784

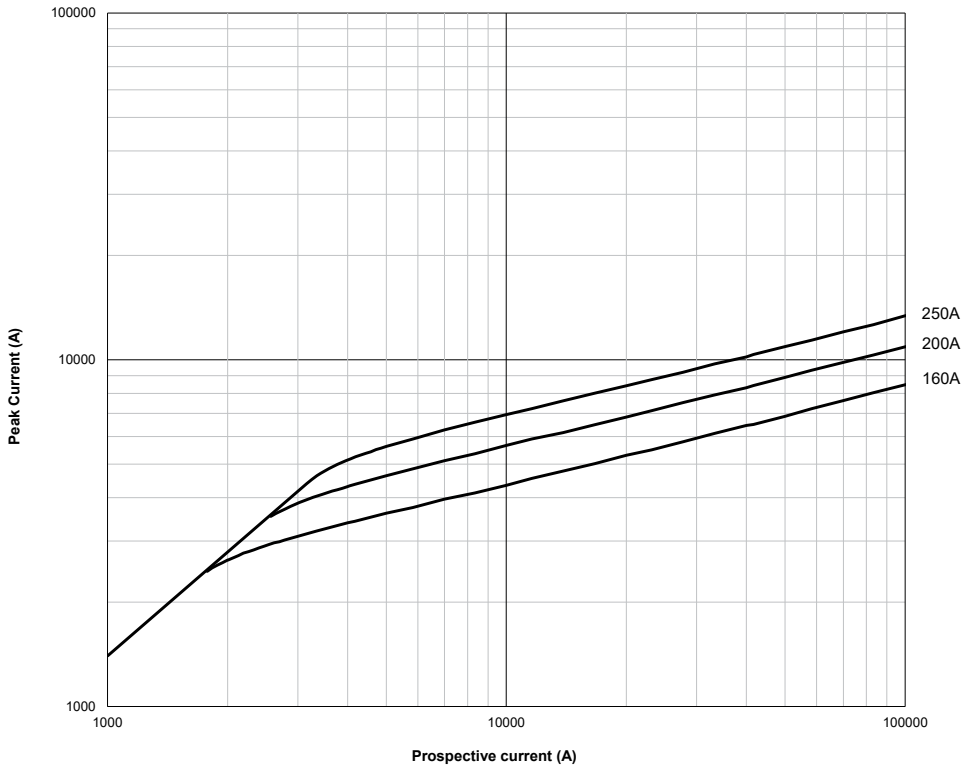
Downloaded from Arrow.com.

800 V a.c. (IEC/UL) - 32 A to 400 A - NH 170M

Cut-off curve - Size 1, 32 A to 200 A



Cut-off peak current curve - Size 2, 160 A to 250 A



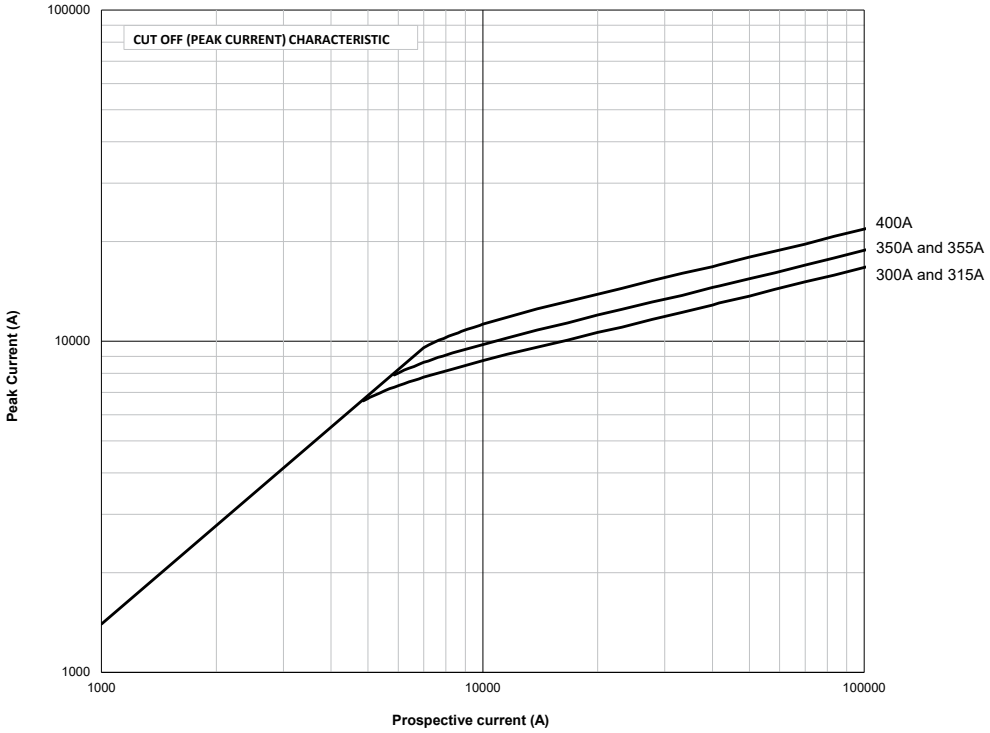
PEAK CURRENT SHOWN FOR SYMMETRICAL FAULTS ONLY

Data sheet: 10784

Downloaded from Arrow.com.

800 V a.c. (IEC/UL) - 32 A to 400 A - NH 170M

Cut-off peak current curve - Sze 3, 315 A to 400 A



PEAK CURRENT SHOWN FOR SYMMETRICAL FAULTS ONLY

Data sheet: 10784

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Battery storage fuse links

250 V d.c. (IEC/UL) - 80 A to 315 A - Round body fuses - BSF-DD25

Description

Eaton's Bussmann series BSF-DD25 centre bolted tags 250 V d.c. fuse links are specifically designed to protect battery modules and DC rated applications



Technical data

- Rated voltage: 250 V d.c.
- Rated current: 80 A to 315 A
- Operating class: gBat proposed for full range fuse links for protection of battery storage systems
- Breaking capacity: 100 kA
- Time constant: 10 ms and 3 ms tested (suitable for most DC applications)

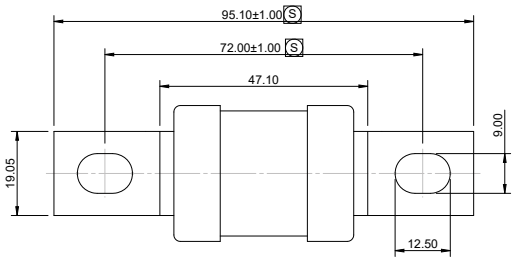
Standards / Agency information

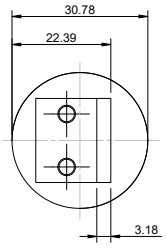
- Designed and tested to IEC 60269 Part 4 and Part 7
- CE/UKCA Compliant
- UL 248-13 Recognised
- RoHS Compliant

Catalogue numbers

Rated voltage	Rated current (Amps)	I^2t (A^2 Sec) Pre-arcing	Clearing I^2t at 250 V d.c. 100 kA 10 ms L/R	Watts loss $I_{n\ at\ 100\%}$	Catalogue numbers
250 V d.c.	80	7200	18,000	8	BSF-080A-DD25
	100	20,000	48,000	10	BSF-100A-DD25
	125	29,500	71,000	11	BSF-125A-DD25
	160	57,000	136,000	13	BSF-160A-DD25
	200	120,000	285,000	14	BSF-200A-DD25
	250	200,000	475,000	18	BSF-250A-DD25
	315	265,000	630,000	25	BSF-315A-DD25

Dimensions







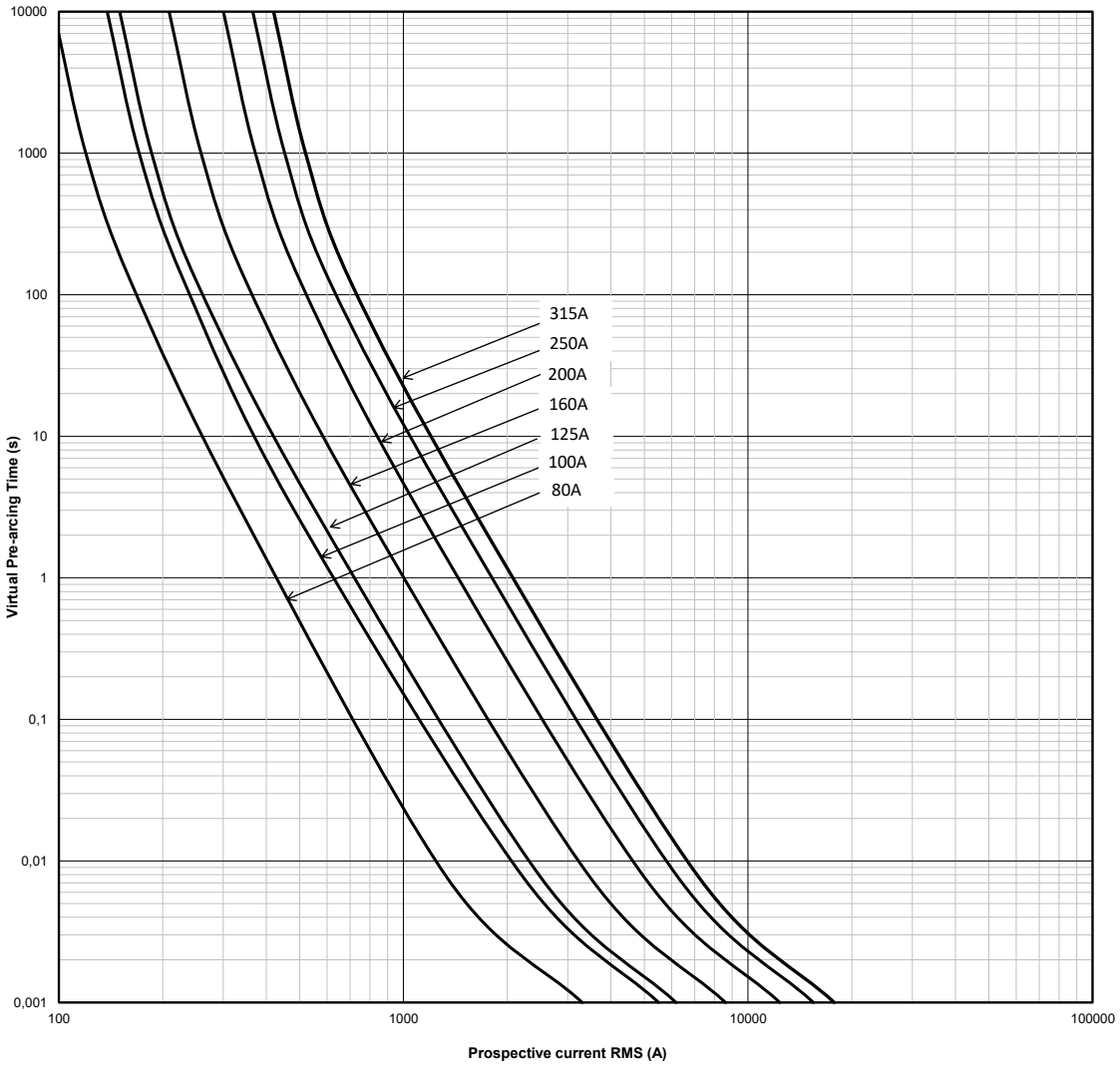
Data sheet: 135011

Downloaded from Arrow.com.

Battery storage fuse links

250 V d.c. (IEC/UL) - 80 A to 315 A - Round body fuses - BSF-DD25

Time current curve

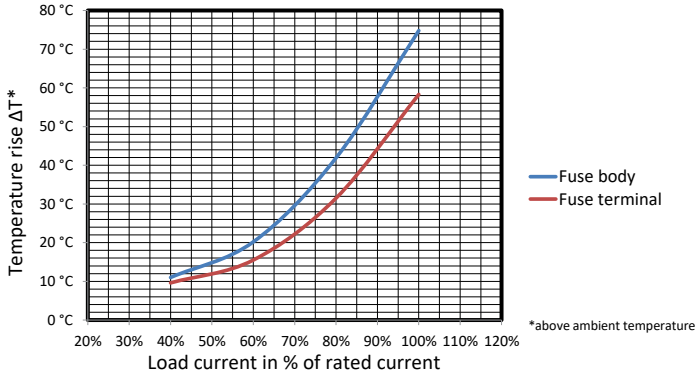


Data sheet: 135011

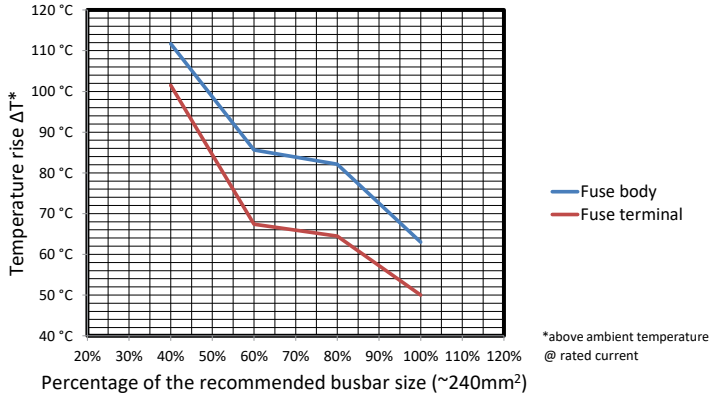
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250 V d.c. (IEC/UL) - 80 A to 315 A - Round body fuses - BSF-DD25

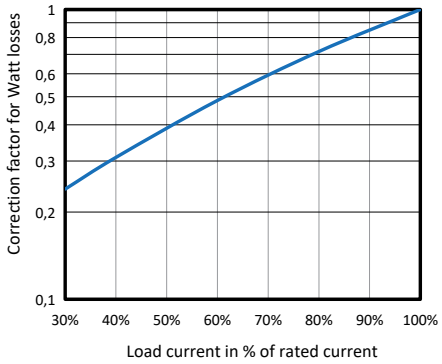
Temperature rise caused by different load currents



Temperature rise for various busbar sizes



Power dissipation at different load currents



Data sheet: 135011

Downloaded from Arrow.com.

Battery storage fuse links

1000 V d.c. (IEC), 63 A to 400 A - NH Style - BSF-NH

Description

Eaton's Bussmann series NH battery storage fuses are specifically designed to protect and isolate battery array combiners and disconnects. These fuse links are capable of interrupting low overcurrents associated with faulted battery storage systems (reverse current, multi-array fault).



Technical data

- Rated voltage: 1000 V d.c.
- Rated current: 63 A to 400 A
- Operating class: gBat proposed for full range fuse links for protection of battery storage systems
- Breaking capacity: 100 kA
- Time constant: 4.5 ms at 100 kA

Microswitches

- For bladed fuse links only
  - 170H0236
  - 170H0238

Fuse holders

- For bladed fuse links only
  - SD1-D-PV
  - SD2-D-PV
  - SD3-D-PV

Standards / Agency information

IEC 60269-7

Catalogue numbers

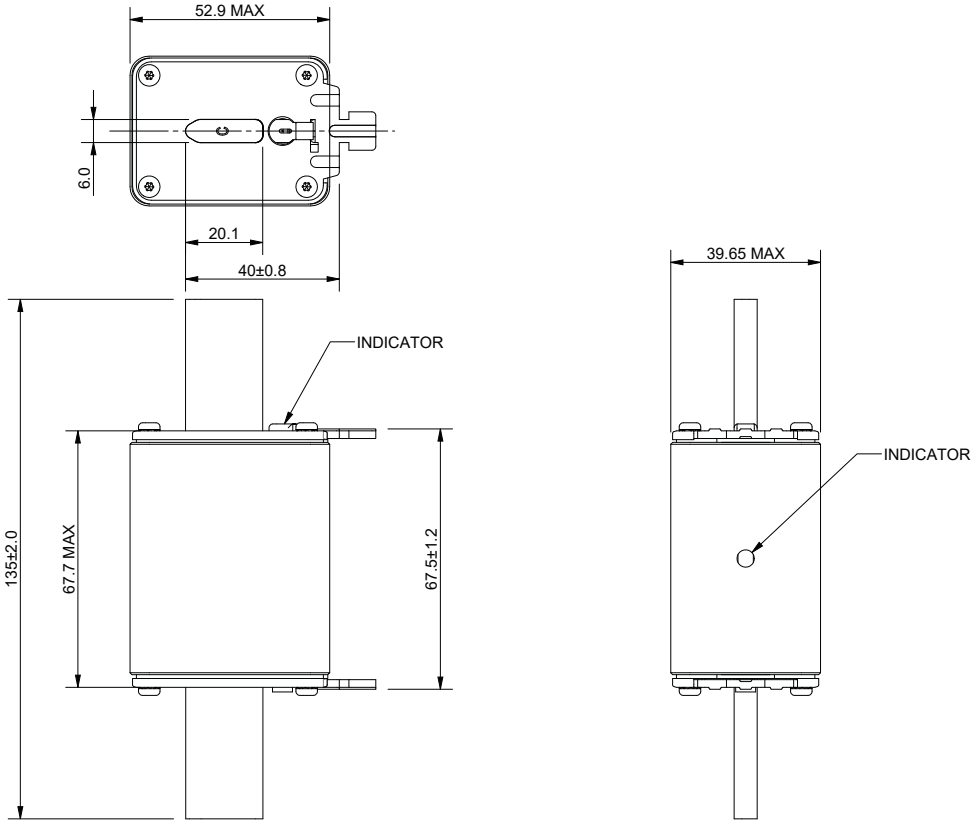
Fuse link body size	Rated voltage	Rated current (Amps)	I^2t (A^2 Sec) Pre-arcing	I^2t (A^2 Sec) Total at 1000 V d.c.	Watts loss (W) 0.7 I_n	Watts loss (W) I_n	Catalogue numbers Bladed version	Catalogue numbers Bolted version
1	1000 V d.c.	63	470	4300	5	12	BSF-063G-NH110	BSF-063G-NH110-B
		80	640	5760	6	15.5	BSF-080G-NH110	BSF-080G-NH110-B
		100	1300	11,700	7	16.5	BSF-100G-NH110	BSF-100G-NH110-B
		125	2600	23,400	7	17.5	BSF-125G-NH110	BSF-125G-NH110-B
		160	5200	46,800	11	27.5	BSF-160G-NH110	BSF-160G-NH110-B
		200	10,200	82,000	10	25	BSF-200G-NH110	BSF-200G-NH110-B
2	1000 V d.c.	160	4600	37,000	11	28	BSF-160G-NH210	BSF-160G-NH210-B
		200	9500	76,000	13	32	BSF-200G-NH210	BSF-200G-NH210-B
		250	17,000	136,000	15	38	BSF-250G-NH210	BSF-250G-NH210-B
3	1000 V d.c.	315	32,000	260,000	18	44	BSF-315G-NH310	BSF-315G-NH310-B
		355	44,500	370,000	18	46	BSF-355G-NH310	BSF-355G-NH310-B
		400	67,500	550,000	20	50	BSF-400G-NH310	BSF-400G-NH310-B

Data sheet: 135001

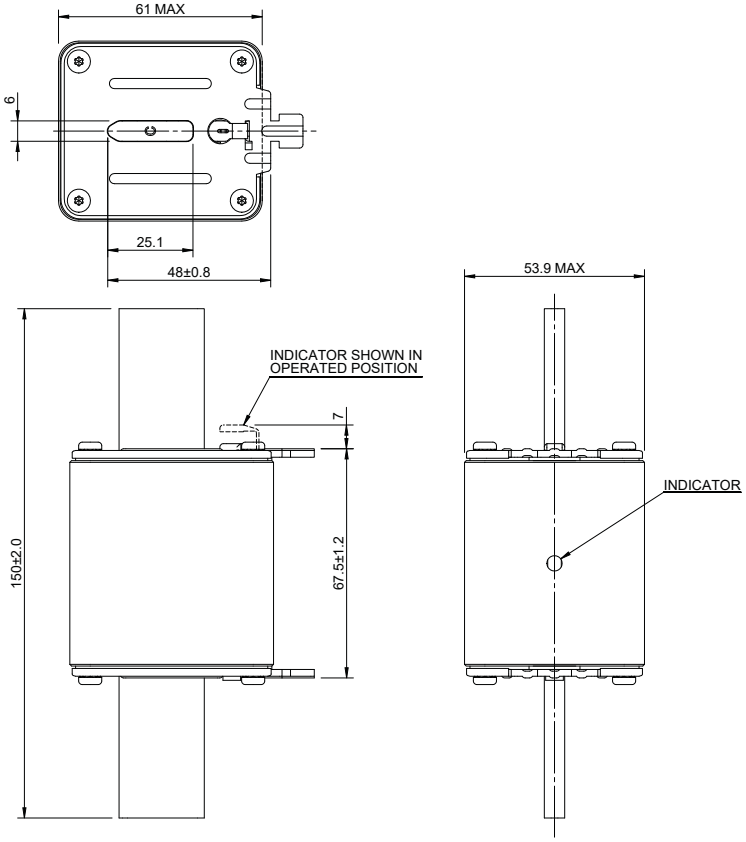
Downloaded from Arrow.com.

1000 V d.c. (IEC), 63 A to 400 A - NH Style - BSF-NH

Dimensions (mm) - Size 1, bladed



Dimensions (mm) - Size 2, bladed



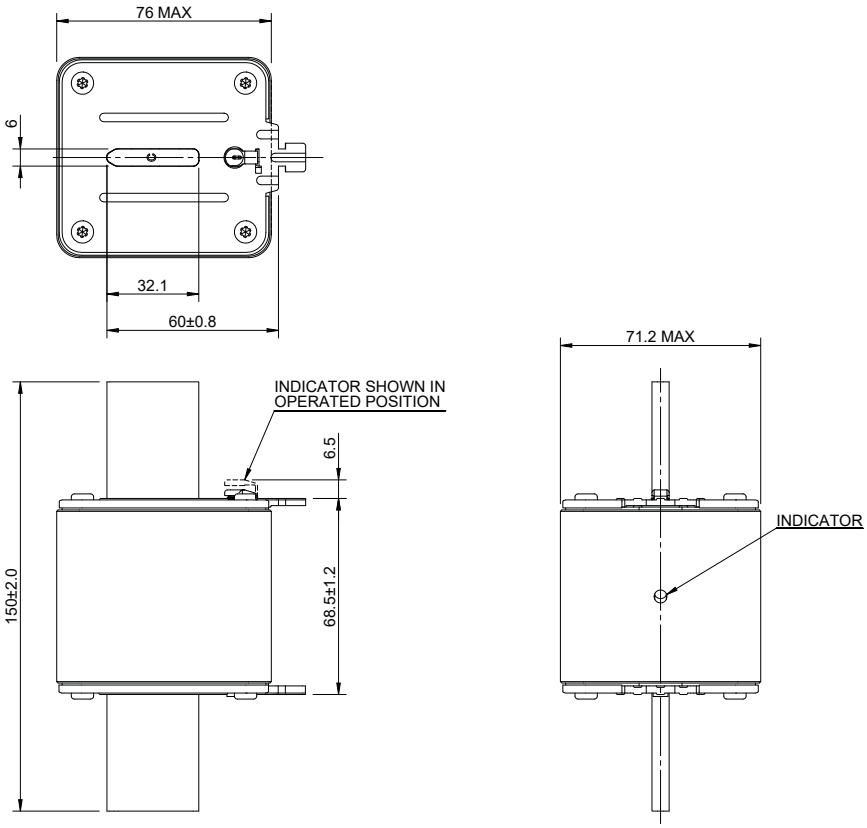
Data sheet: 135001

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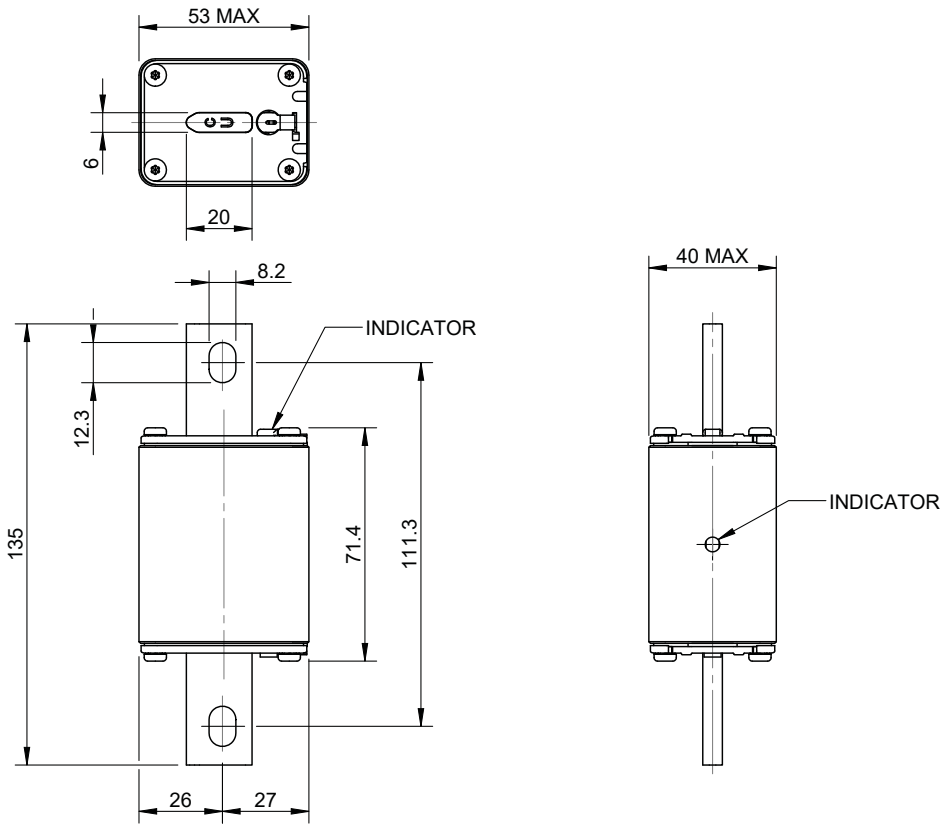
Battery storage fuse links

1000 V d.c. (IEC), 63 A to 400 A - NH Style - BSF-NH

Dimensions (mm) - Size 3, bladed



Dimensions (mm) - Size 1, bolted

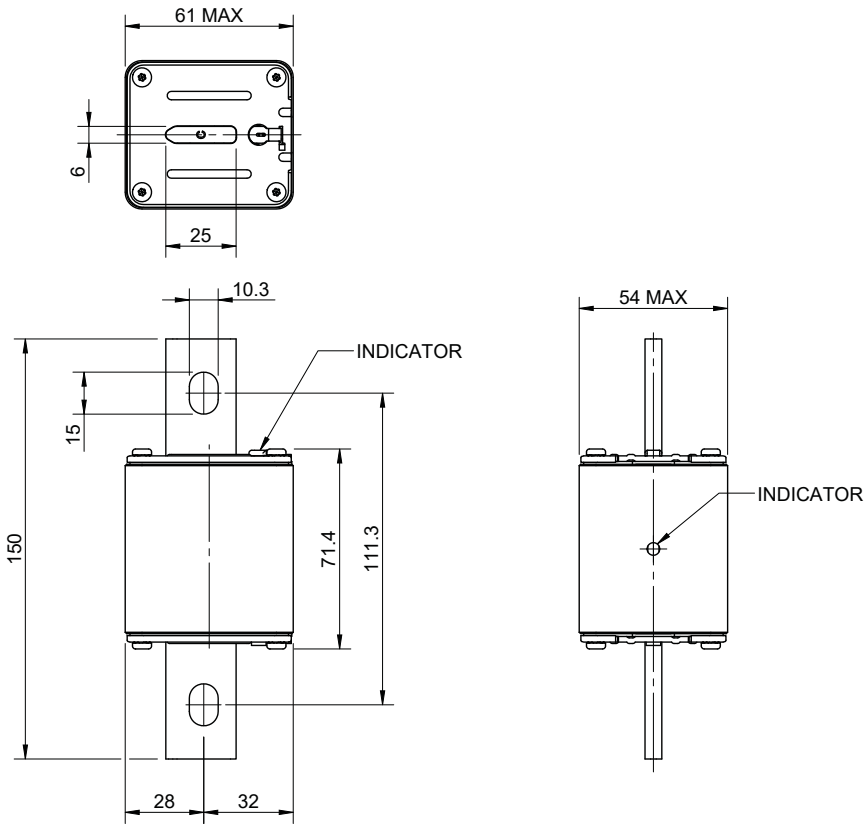


Data sheet: 135001

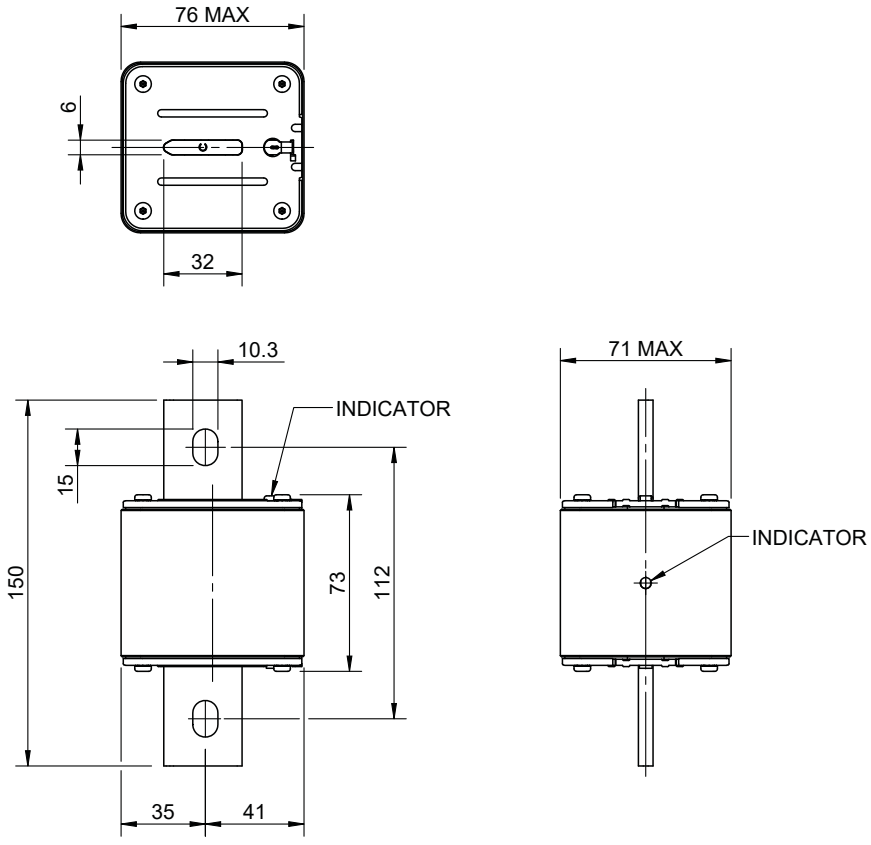
Downloaded from Arrow.com.

1000 V d.c. (IEC), 63 A to 400 A - NH Style - BSF-NH

Dimensions (mm)- Size 2, bolted



Dimensions (mm) - Size 3, bolted



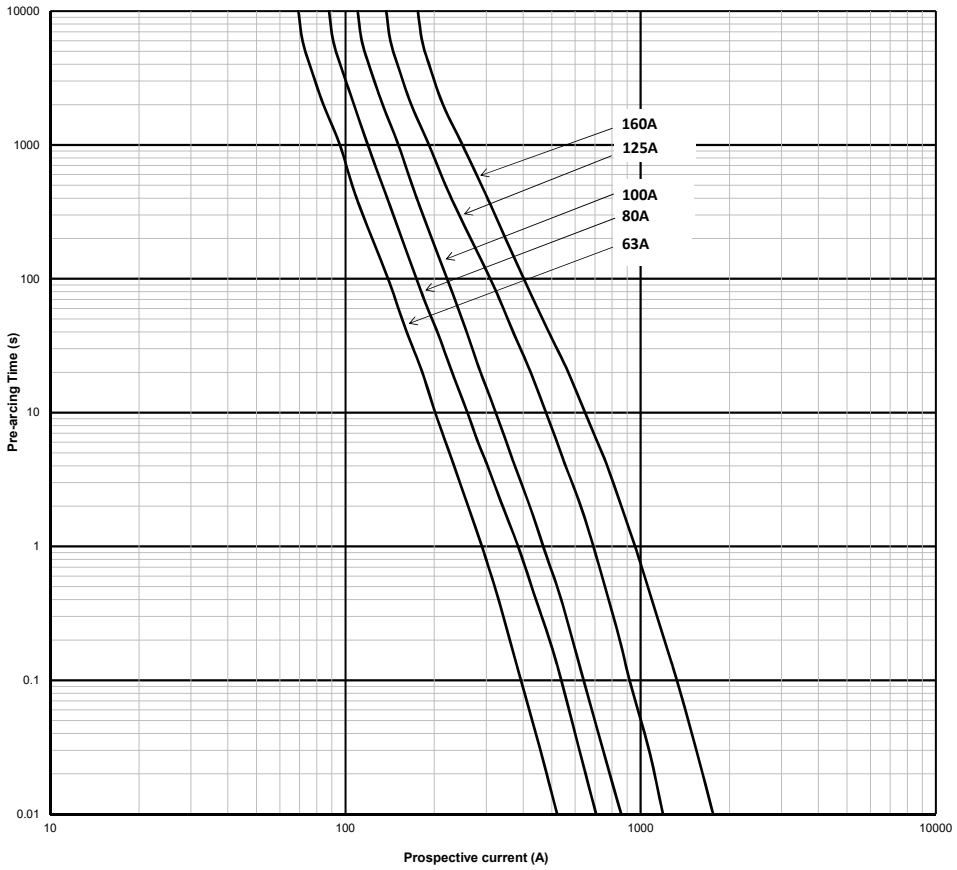
Data sheet: 135001

Downloaded from Arrow.com.

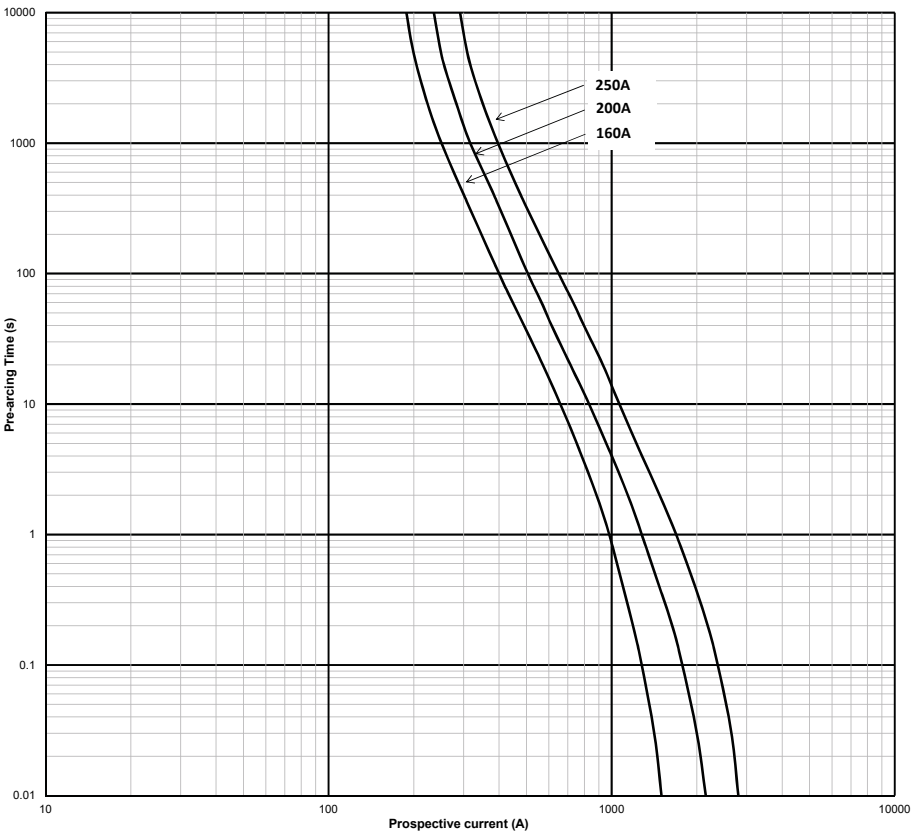
Battery storage fuse links

1000 V d.c. (IEC), 63 A to 400 A - NH Style - BSF-NH

Time-current curve - Size 1, 63 A to 200 A



Time-current curve - Size 2, 160 A to 250 A

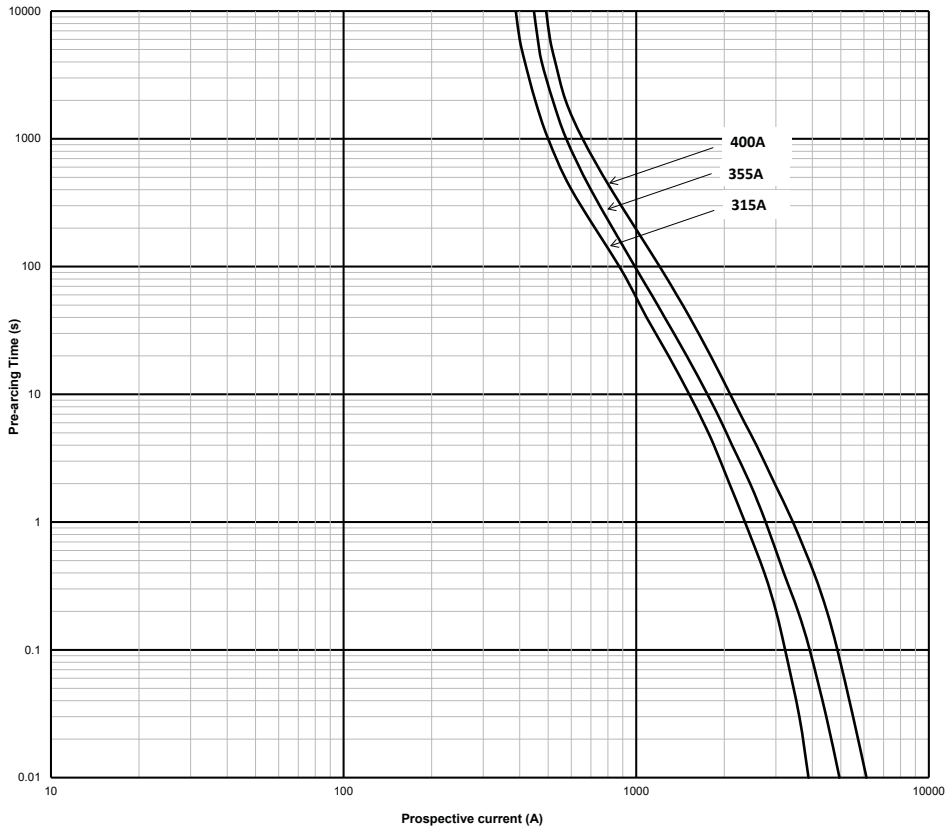


Data sheet: 135001

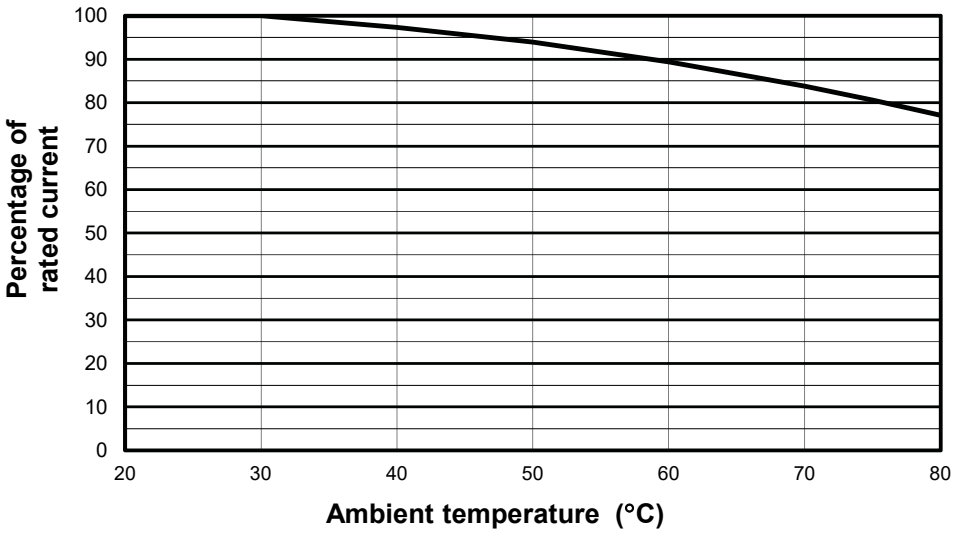
Downloaded from Arrow.com.

1000 V d.c. (IEC), 63 A to 400 A - NH Style - BSF-NH

Time-current curve - Size 3, 315 A to 400 A



Temperature derating



(The ambient temperature is that local to the fuse link)

Data sheet: 135001

Downloaded from Arrow.com.

Battery storage fuse links

1500 V d.c. (IEC) - 250 A to 500 A - XL Style - BSF-3XL

Description

Eaton's Bussmann series XL battery storage fuses are specifically designed to protect and isolate battery array combiners and disconnects. These fuse links are capable of interrupting low overcurrents associated with faulted battery storage systems (reverse current, multi-array fault).



Technical data

- Rated voltage: 1500 V d.c.
- Rated current: 250 A to 500 A
- Operating class: gBat proposed for full range fuse links for protection of battery storage systems
- Breaking capacity: 100 kA
- Time constant: 4.5 ms at 100 kA

Microswitches

- For bladed fuse links
  - 170H0236
  - 170H0238
- For bolted fuse links
  - 170H0069

Compatible fuse bases

- SD3L-S-PV

Standards / Agency information

IEC 60269-7

Catalogue numbers

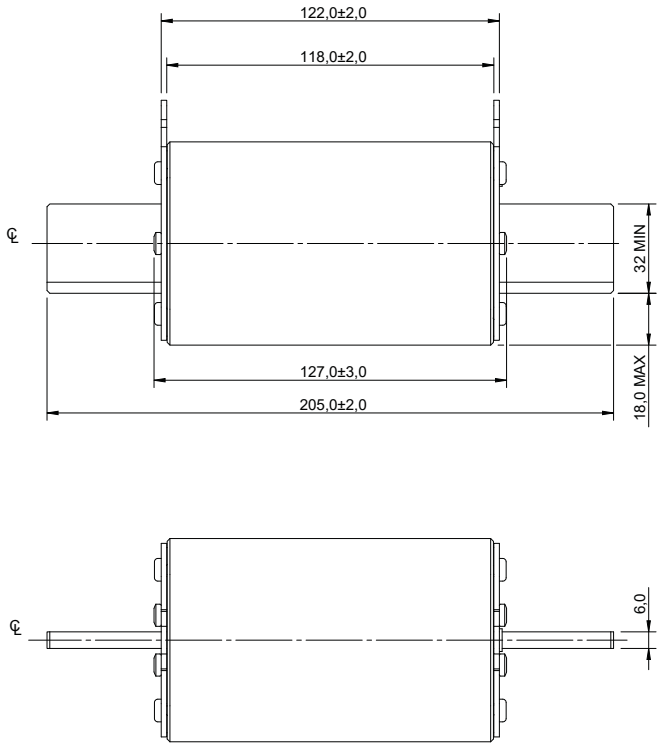
Fuse link body size	Rated voltage	Rated current (Amps)	I^2t (A^2 Sec) Pre-arcing	I^2t (A^2 Sec) Total at 1500 V d.c.	Watts loss (W) 0.7 I_n	Watts loss (W) I_n	Catalogue numbers Bladed version	Catalogue numbers Bolted version
3	1500 V d.c.	250	74,000	263,000	20	49	BSF-250G-3XL15	BSF-250G-3XL15-B
		315	150,000	533,000	21	52	BSF-315G-3XL15	BSF-315G-3XL15-B
		355	195,000	693,000	24	59	BSF-355G-3XL15	BSF-355G-3XL15-B
		400	296,000	1,060,000	24	61	BSF-400G-3XL15	BSF-400G-3XL15-B
		450	412,000	1,470,000	27	67	BSF-450G-3XL15	BSF-450G-3XL15-B
		500	532,000	1,890,000	29	73	BSF-500G-3XL15	BSF-500G-3XL15-B

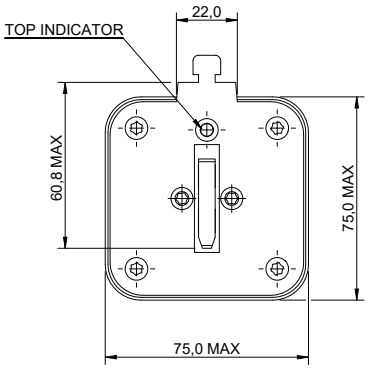
Data sheet: 135002

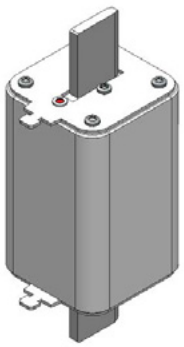
Downloaded from Arrow.com.

1500 V d.c. (IEC) - 250 A to 500 A - XL Style - BSF-3XL

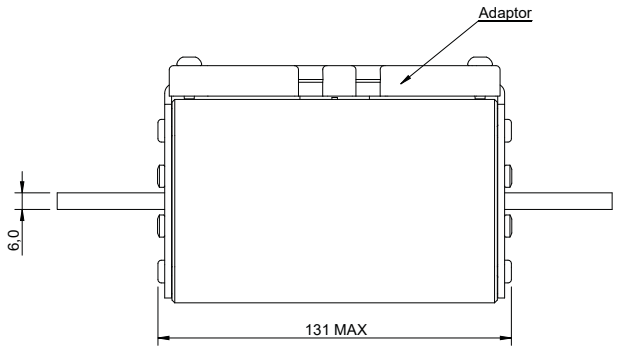
Dimensions (mm) - Size 3, bladed

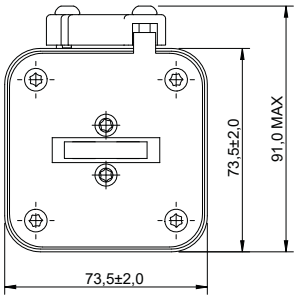


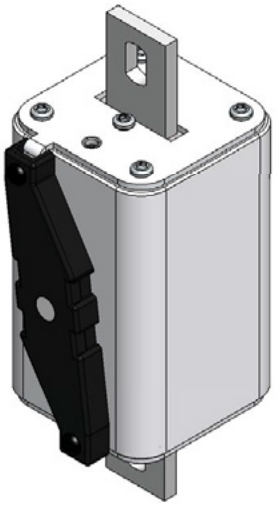


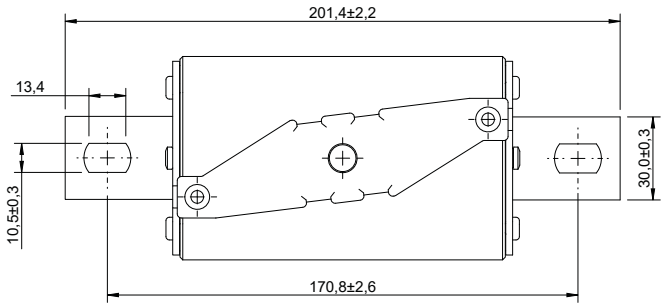


Dimensions (mm) - Size 3, bolted









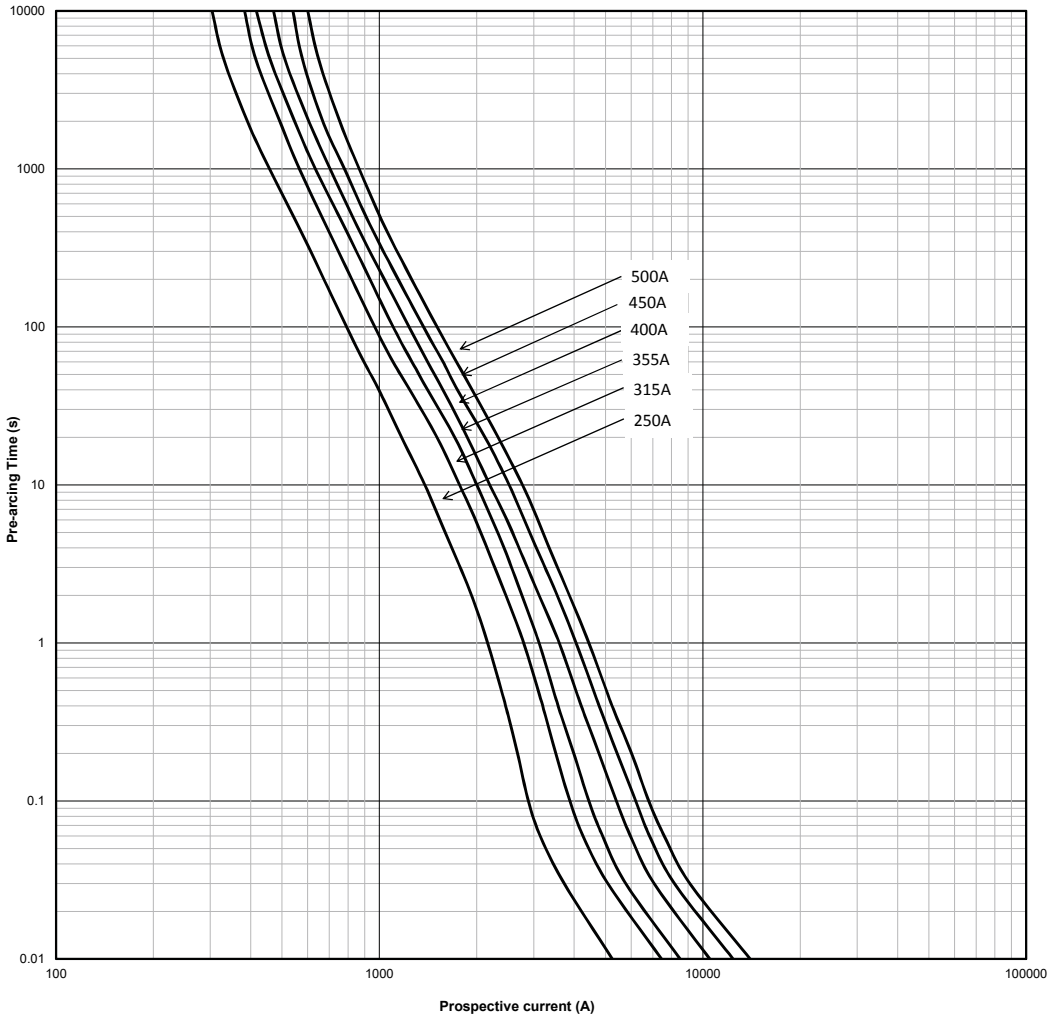
Data sheet: 135002

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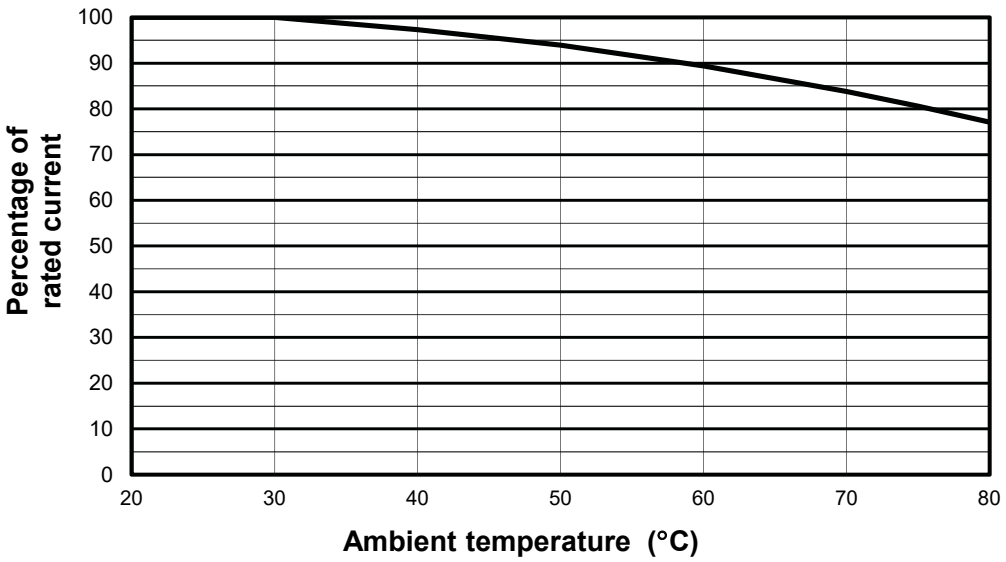
Battery storage fuse links

1500 V d.c. (IEC) - 250 A to 500 A - XL Style - BSF-3XL

Time-current curve - Size 3, 250 A to 500 A



Temperature derating



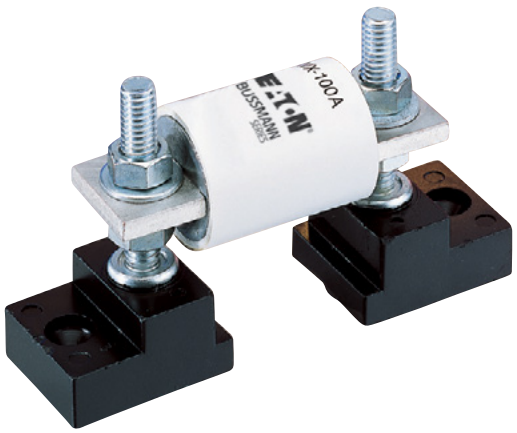
Data sheet: 135002

Downloaded from Arrow.com.

Modular style fuse bases for North American, British and square body fuse links

Description

Eaton's Bussmann series offers a comprehensive line of fuse bases that provide the user with design and manufacturing flexibility. Two identical half bases make up a Bussmann series modular fuse base. These 'split' units can be panel mounted any distance apart to accomodate any length fuse.



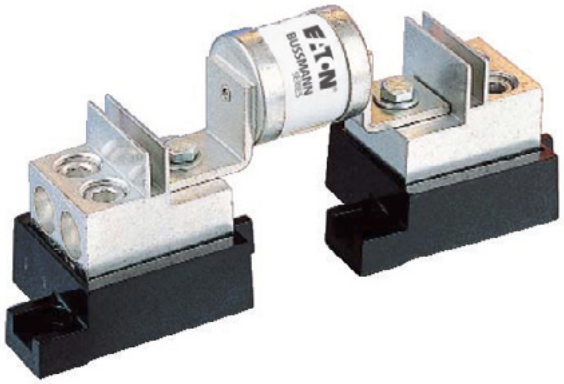
1 - Stud type

The simpler design is the C5268 modular fuse base. With this design, the fuse terminal and cable (with termination) are mounted on the same stud, minimizing labor needed for installation.
The stud type base is available in the configurations shown in the table below.

Catalogue numbers	Max fuse amp rating	Stud height (in)	Stud dia. & threads
C5268-1	200	1	5/16"-18
C5268-2	200	1.75	5/16"-18
C5268-3	200	0.75	5/16"-18
C5268-4	100	1	1/4"-20
C5268-5	100	1.75	1/4"-20

2 - Connector Type

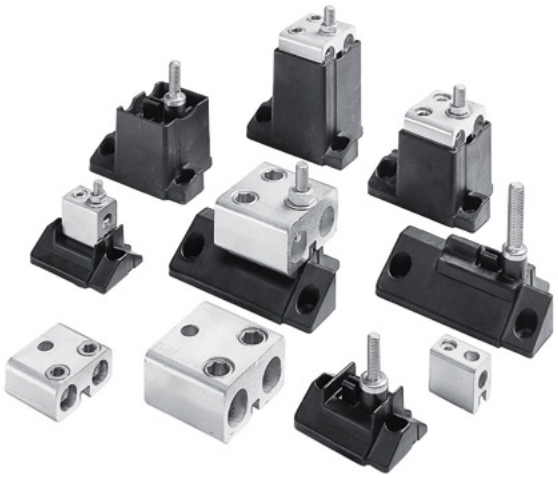
Eaton's Bussmann series also offers a modular style fuse base that utilises a tin-plated connector for wire termination and heat dissipation) and a plated-steel stud (for fuse mounting).
The connector type fuse base is available in the configurations shown below. Consult Eaton for additional product details.



Catalogue numbers	Max rated voltage	Max fuse Amp rating
1BS101	600	100
1BS102	600	400
1BS103	600	400
1BS104	600	600

3 - BH

BH fuse blocks provide a wide range of mounting configurations for Bussmann High Speed semi-conductors fuse links. BH fuse blocks have a Short-Circuit rated current rating of any installed fuse up to 200 kA RMS Sym.



Catalogue numbers	Max rated voltage	Max fuse Amp rating
BH-0	700	100
BH-1	2500	400
BH-2	5000	600
BH-3	1250	700

Data sheets: 1200 (BH-0), 1201 (BH-1), 1202 (BH-2), 1203 (BH-3), 1206 (1BS101), 1207 (1BS102), 1208 (1BS103), 1209 (1BS104)

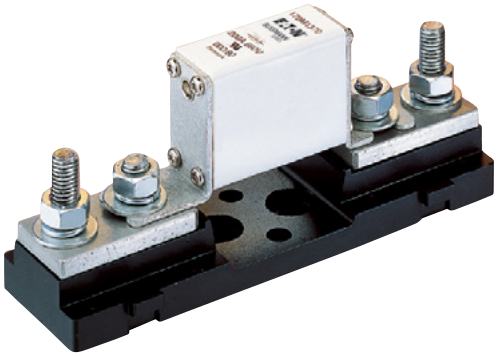
Downloaded from Arrow.com.

Accessories

Fixed center fuse bases for DIN 43653 square body fuse links

Description

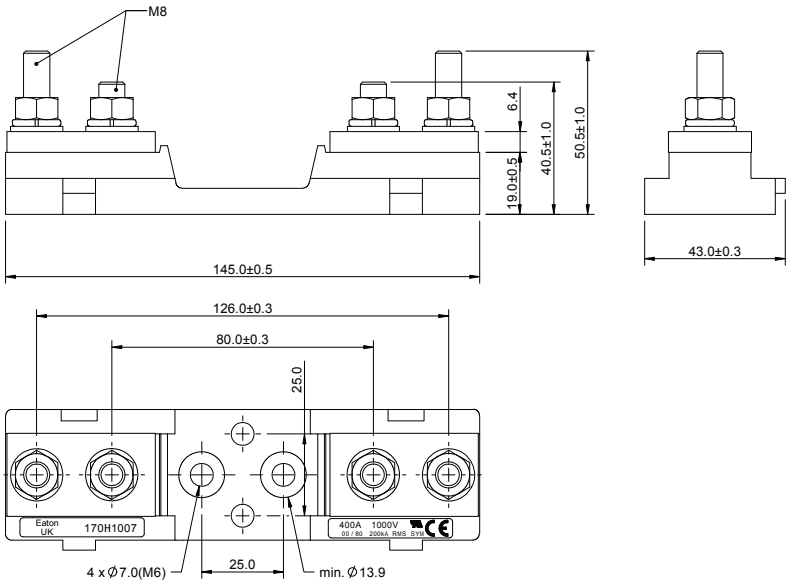
Fuse bases (blocks) to be used with DIN 43653 square body fuse links with centre distances of 80 and 110mm. Available for sizes 000, 00, 1*, 1, 2 and 3.

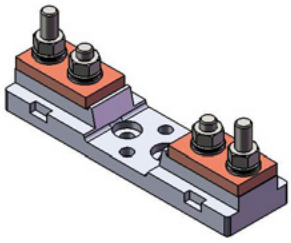


Sizes 000 to 00 Fuse bases

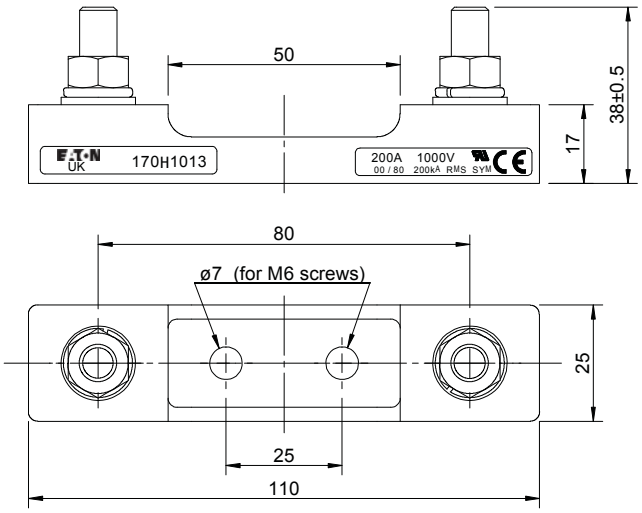
Catalogue numbers	Max rated voltage (Volts)	Max fuse Amp rating (Amps)	Centre distance (mm)	Fuse sizes
170H1007	1000	400	80	00, 000
170H1013	690	200	80	0000, 000

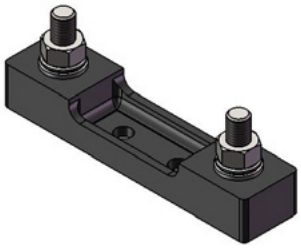
Dimensions (mm) - 170H1007





Dimensions (mm) - 170H1013





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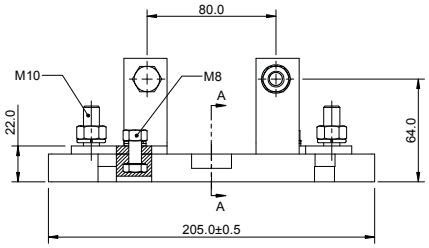
Fixed center fuse bases for DIN 43653 square body fuse links

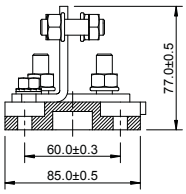
Sizes 1* to 3

Catalogue numbers	Max rated voltage (Volts)	Max fuse Amp rating (Amps)	Centre distance (mm)
170H3003	1000 V a.c./V d.c.	630	80
170H3004	1000 V a.c./V d.c.	1250	80
170H3005	1400 V a.c./V d.c.	630	110
170H3006	1400 V a.c./V d.c.	1250	110

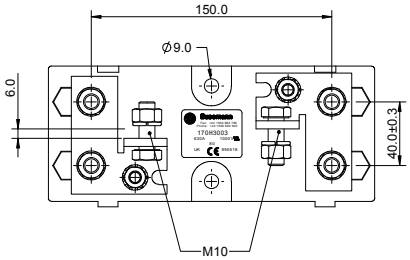


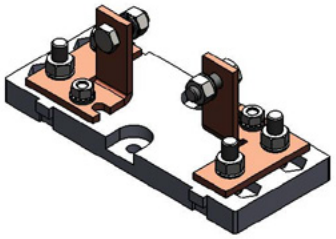
Dimensions (mm) - 170H3003



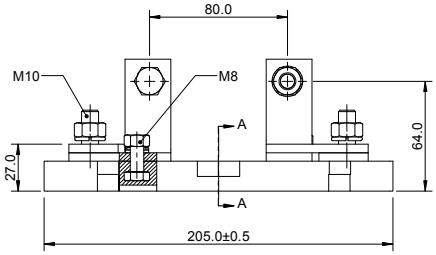


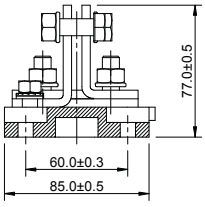
SECTION A-A



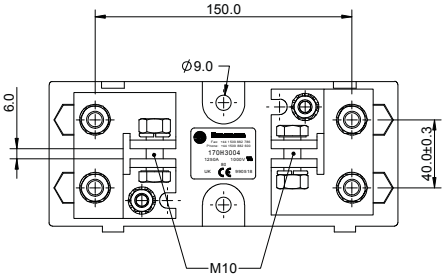


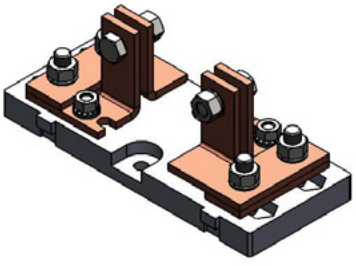
Dimensions (mm) - 170H3004





SECTION A-A



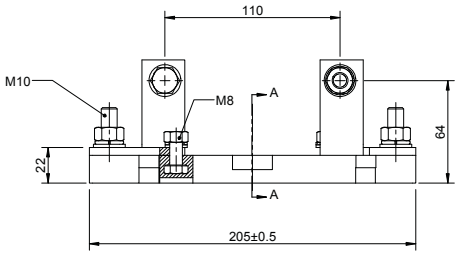


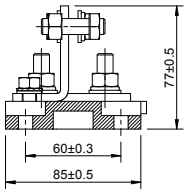
Downloaded from Arrow.com.

Accessories

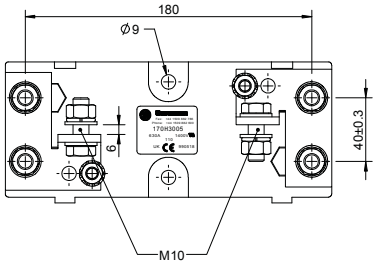
Fixed center fuse bases for DIN 43653 square body fuse links

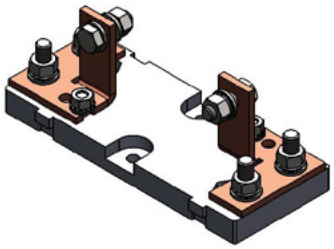
Dimensions (mm) - 170H3005



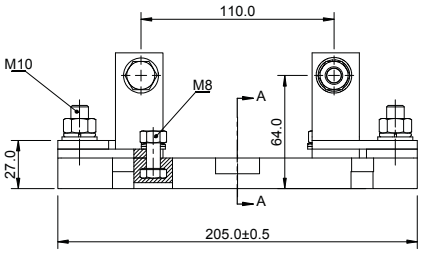


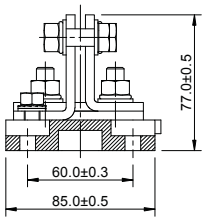
SECTION A-A



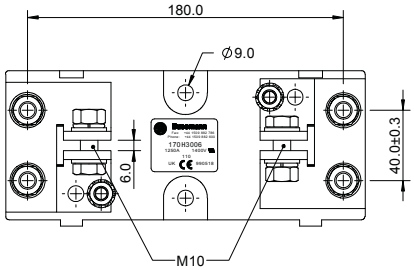


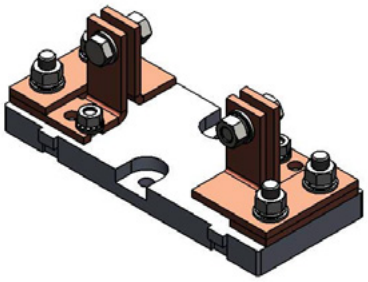
Dimensions (mm) - 170H3006





SECTION A-A





Fuse links with higher current ratings than 1250 A can be used with 170H3004 or 170H3006 if the maximum load current is derated according to the table below.

Fuse amp rating	Max. Amp load in fuse base
1400	1325
1500	1400
1600	1500
1800	1650
2000	1800

Downloaded from Arrow.com.

Fuse bases for ferrule fuse links, 600 V a.c. (UL) - 30 A - BMM

Description

Modular, open-style fuse blocks for cylindrical industrial fuse links. Versatile 35mm DIN rail or screw-to-panel mounting.



Technical data

- Rated voltage: 600 V a.c. (UL)
- Rated current:
  - 30 A (box lug terminal)
  - 20 A (with quick connector terminal)
- Compatible fuse links:
  - FWA-A10F
  - FWC-A10F
  - PVM
  - PV-A10F

Standards / Agency information

- UL Recognised E14853-IZLT2
- CSA Certified 47235-6225-01
- CE
- RoHS compliant
- Conflict mineral free
- Reach declaration available upon request

Catalogue numbers

Terminal type				
Screw w/quick connect[1]	**Pressure plate w/quick connect[1]**	**Box lug**	**Fuse link size**	**Number of poles**
BMM603-1SQ	BMM603-1PQ	BMM603-1C	10 x 38 (13/32" x 1-1/2")	1
BMM603-2SQ	BMM603-2PQ	BMM603-2C	10 x 38 (13/32" x 1-1/2")	2
BMM603-3SQ	BMM603-3PQ	BMM603-3C	10 x 38 (13/32" x 1-1/2")	3

[1] Quick connect terminals rated for 20 A maximum.

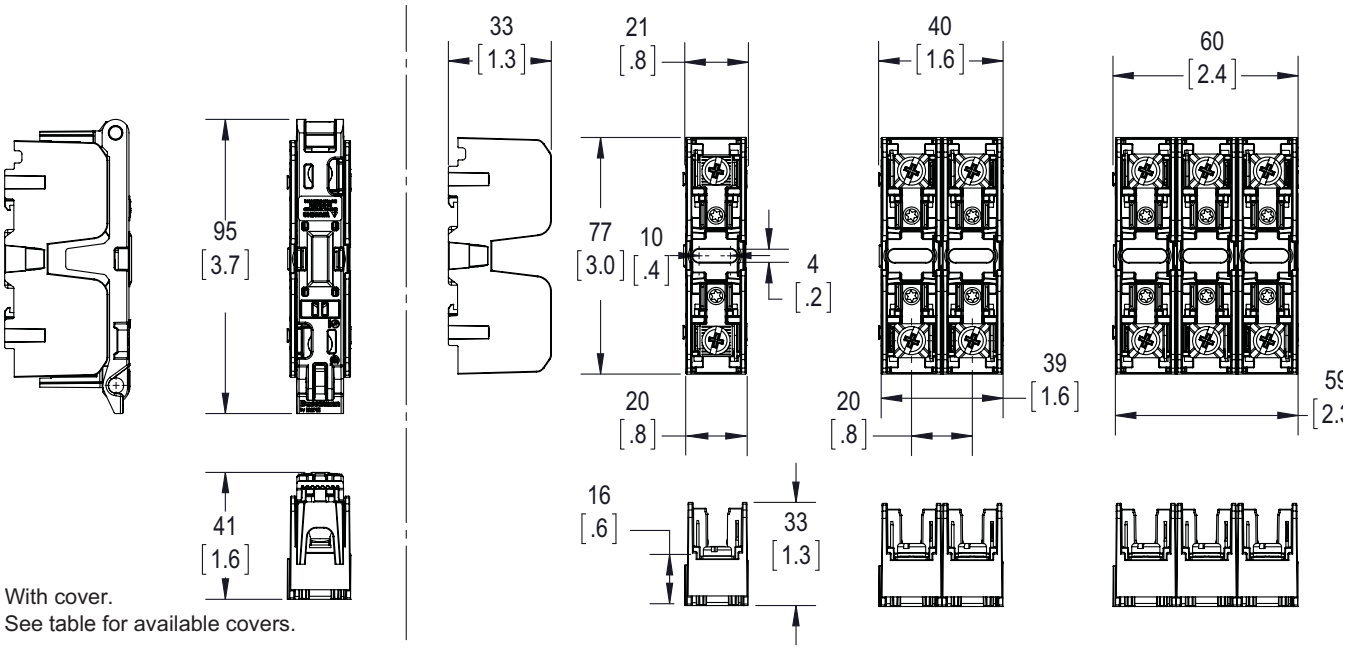
Data sheet: 1104

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Accessories

Fuse bases for ferrule fuse links - 600 V a.c. (UL) - 30 A - BMM

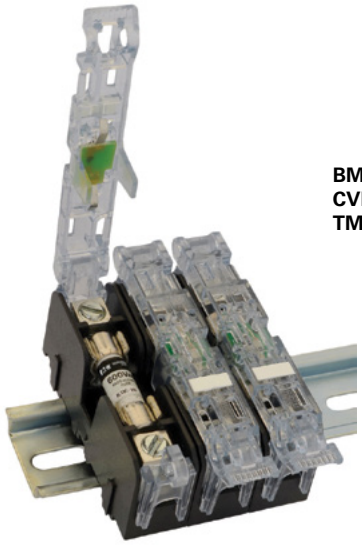
Dimensions mm (in)



With cover.
See table for available covers.

Recommended covers

	Cover part numbers	
Terminal type	**Indicating**	**Non indicating**
Box lug (CR)	CVRI-CCM	CVR-CCM
Screw/quick connect (SQ)	CVRI-CCM-QC	CVR-CCM-QC
Pressure plate/quick connect (PQ)	CVRI-CCM-QC	CVR-CCM-QC



BMM603-3C with CVRI-CCM covers and TM27CB marker labels

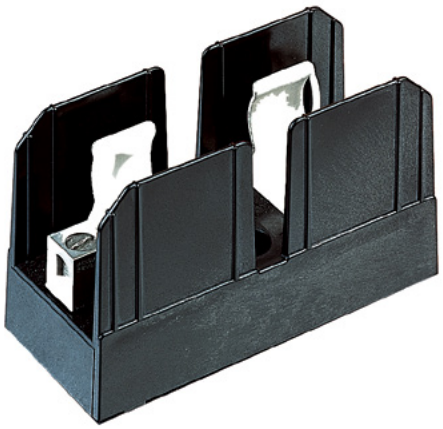
Data sheet: 1104

Downloaded from Arrow.com.

Fuse bases for ferrule fuse links, 700 V a.c. (UL) - 100 A - JM70100

Description

Modular, open-style fuse blocks for cylindrical industrial fuse links.
Versatile 35mm DIN rail or screw-to-panel mounting.



Technical data

- Rated voltage: 700 V a.c. (UL)
- Rated current: 100 A
- Compatible fuse links: FWP-A22F(I)

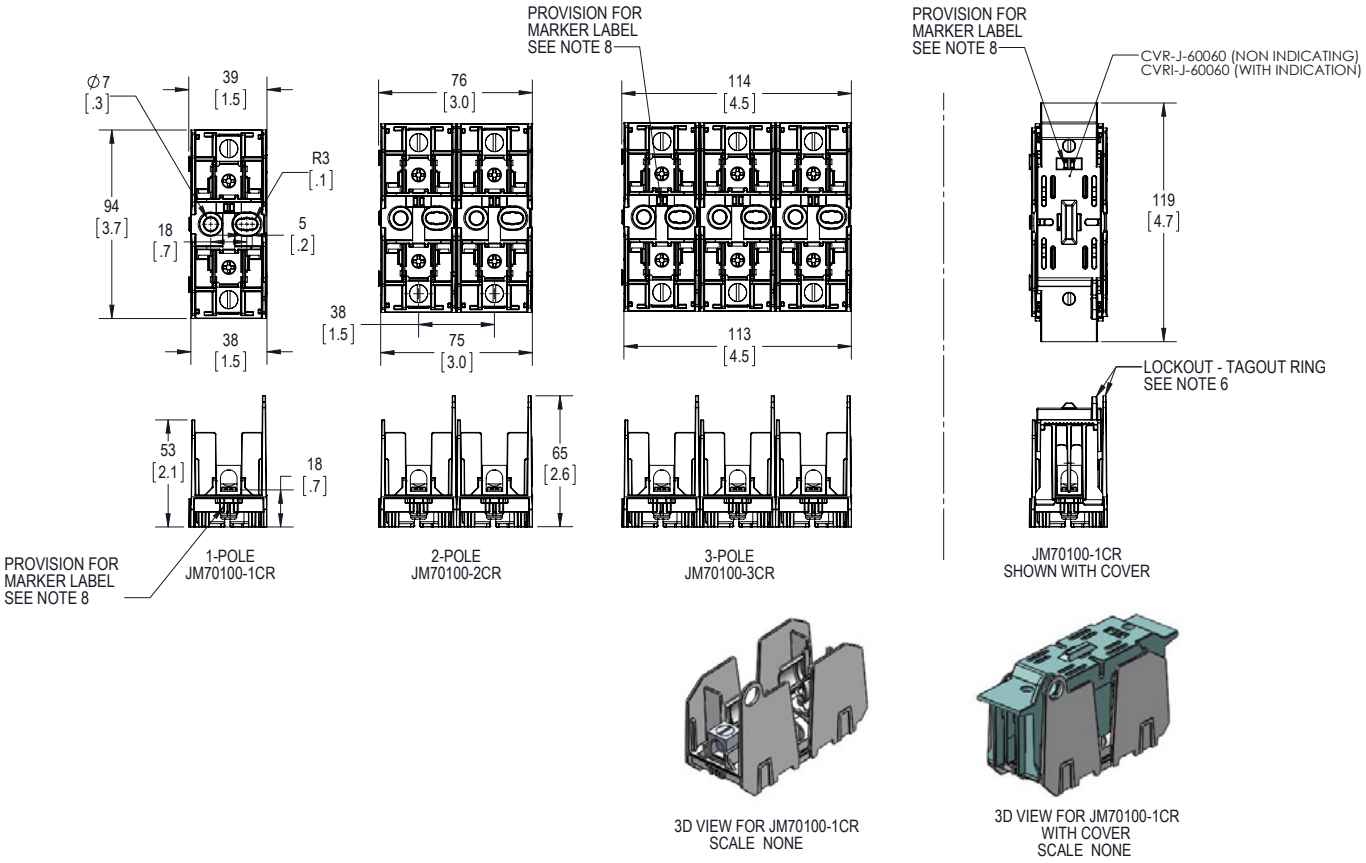
Standards / Agency information

UL Recognised, Guide IZTL2, File 14853.

Catalogue numbers

Terminal type		
Box lug with retaining clip	**Fuse link size**	**Number of poles**
JM70100-1CR		1
JM70100-2CR	22 x 58 mm	2
JM70100-3CR		3

Dimensions mm (in)



Data sheet: 1211

Downloaded from Arrow.com.

Accessories

Modular knifeblade fuse blocks - 600 V a.c. (UL)- 70 A to 600 A - JM60

Description

Industry's first modular fuse block simplifies design and enhances safety.



Technical data

- Rated voltage: 600V a.c. (UL)
- Rated current: see table below
- Compatible fuse links: DFJ

Standards / Agency information

Blocks

- UL - Listed cULus E14853 - IZLT & IZLT7
- CSA - Certified 47235-6225-01

Covers

- UL - Listed UL E58836 - JDVS2
- CSA - Certified 47235-6225-01

Catalogue numbers			Rated voltage	Rated current (Amps)	Number of poles	Compatible Bussmann series fuse links
Class J Block	Covers without indication*	Covers with indication*				
JM60100-1CR	CVR-J-60100	CVRI-J-60100	600 V a.c.	70-100	1	DFJ
JM60100-2CR					2	
JM60100-3CR					3	
JM60200-1CR	CVR-J-60200	CVRI-J-60200	600 V a.c.	110-200	1	
JM60200-2CR					2	
JM60200-3CR					3	
JM60400-1CR	CVR-J-60400-M	CVRI-J-60400-M	600 V a.c.	225-400	1	
JM60400-2CR					2	
JM60400-3CR					3	
JM60600-1CR	CVR-J-60600	CVRI-J-60600	600 V a.c.	450-600	1	
JM60600-2CR					2	
JM60600-3CR					3	

* Covers sold separately. Blown fuse indication requires 90 volts minimum and closed circuit to operate.

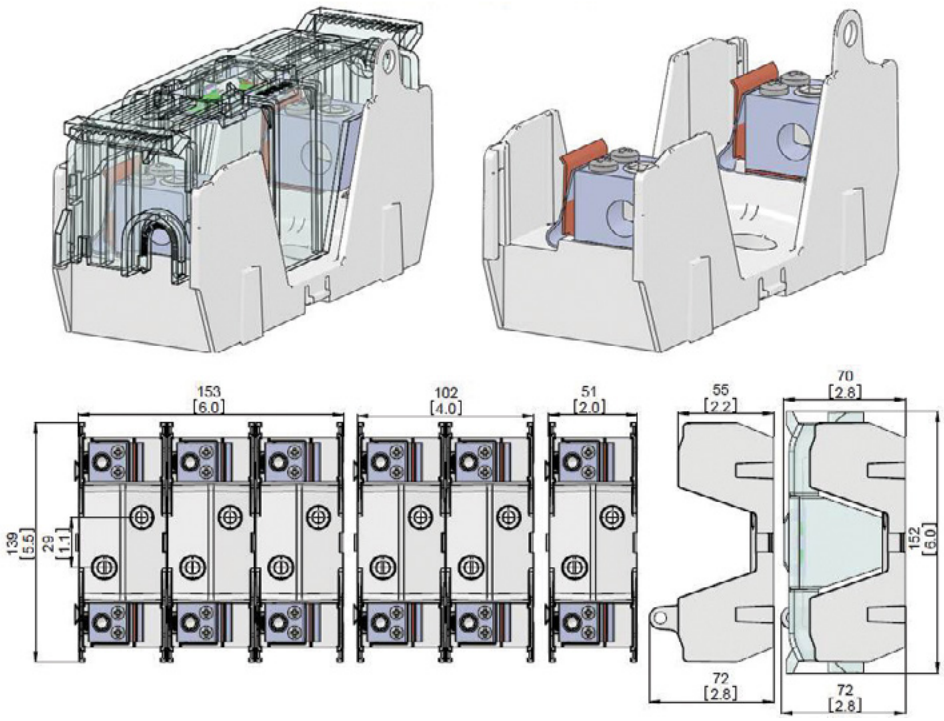
Wire range and torque values

Catalogue numbers	Wire range (solid and stranded)	Wire range (fine stranded)	Torque N·m (Lb-in)
Class J Block			
JM60100-1CR	1/0-3 AWG; (2) Cu 4-6 AWG	1-3 AWG	6.2 (55)
JM60100-2CR	4-6 AWG; (2) Cu 8 AWG	4-6 AWG	5.6 (50)
JM60100-3CR	8 AWG; (2) Cu 10-14 AWG Cu 10-14 AWG; Al 10-12 AWG	8 AWG	5.1 (45) 4.5 (40) 4.0 (35)
JM60200-1CR	250 MCM -1 AWG	3/0-1 AWG	42 (375)
JM60200-2CR	2-6 AWG; (2) Cu 2-6 AWG	2-6 AWG	31 (275)
JM60200-3CR			
JM60400-1CR	600kcmil	N/A	57 (500)
JM60400-2CR	500kcmil-4 AWG (2) Cu 3/0 - 4 AWG		51 (450) 57 (500)
JM60400-3CR	(2) Al 3/0 - 4 AWG		34 (300)

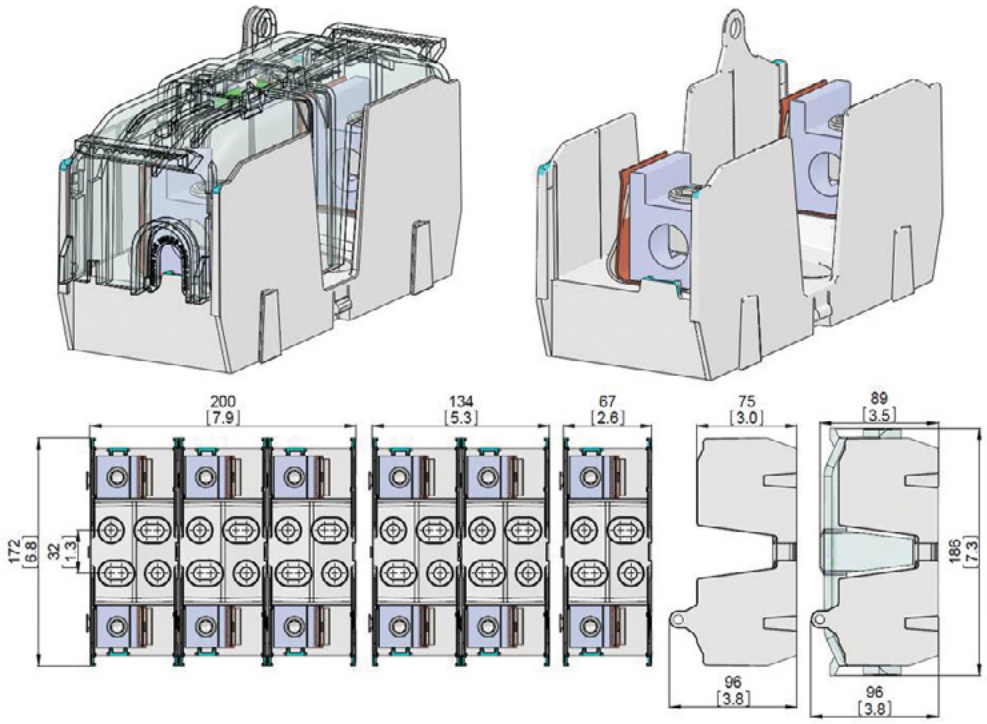
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Modular knifeblade fuse blocks - 600 V a.c. (UL)- 70 A to 600 A - JM60

Dimensions mm (in) - 100 A



Dimensions mm (in) - 200 A

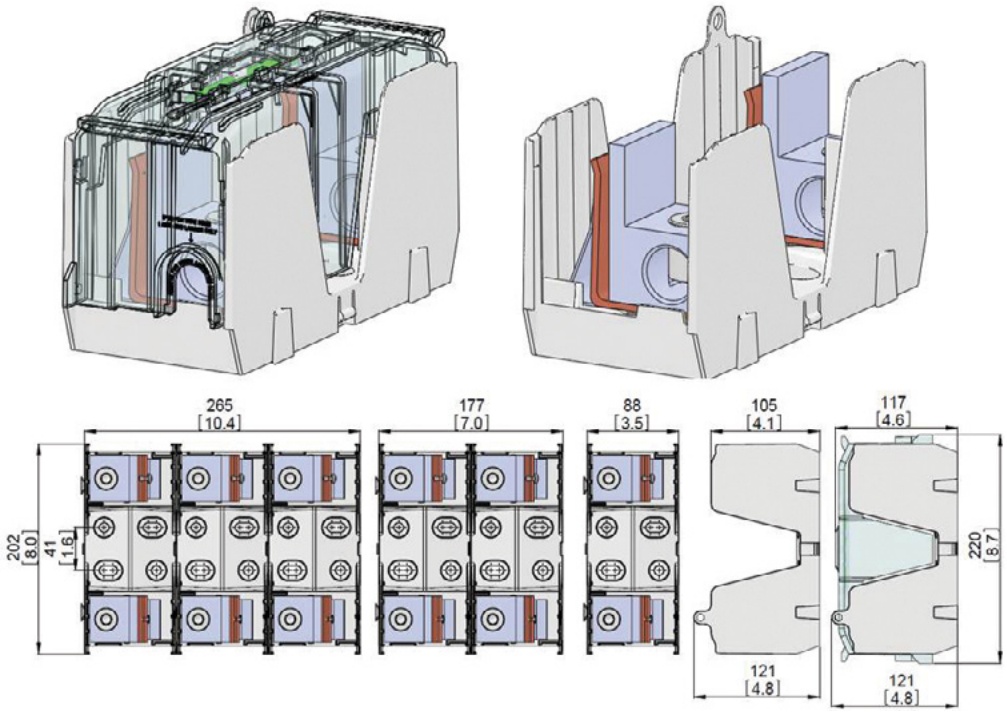


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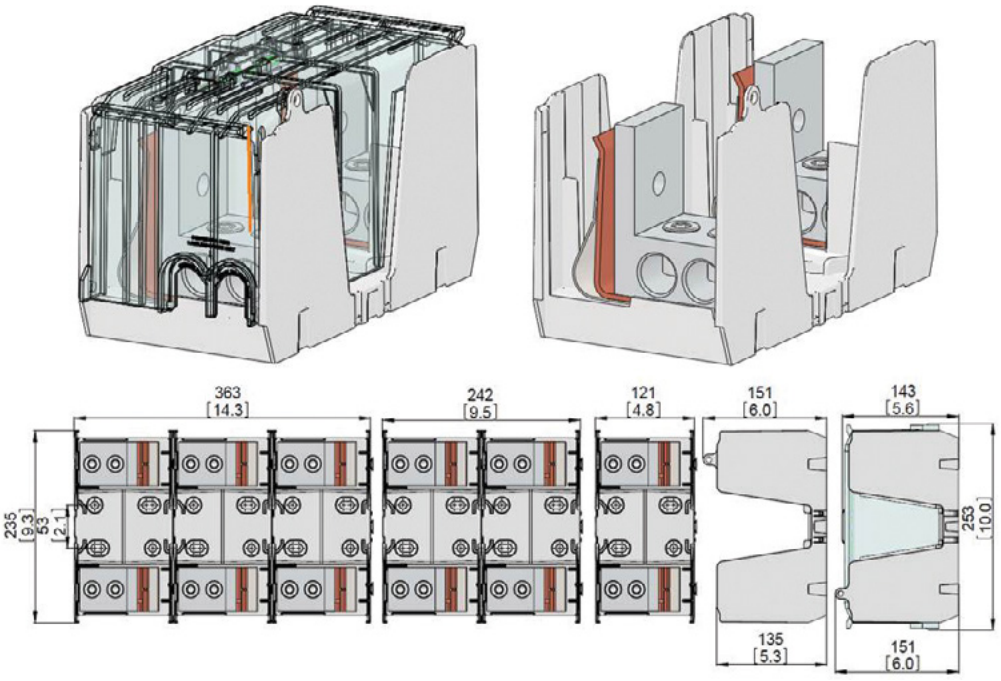
Accessories

Modular knifeblade fuse blocks - 600 V a.c. (UL)- 70 A to 600 A - JM60

Dimensions mm (in) - 400 A



Dimensions mm (in) - 600 A



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Modular fuse holders for 10 x 38 mm fuse links - CHM

Description

Compact DIN-Rail mounting fuse holders for 10 x 38 mm cylindrical fuse links



Catalogue numbers

Catalogue number	Number of poles	Description
Modular fuse holders for IEC industrial applications (Red)		
Neutral only		
CHM1DNXU	1	Neutral fuse holder
Fuse holder only		
CHM1DU	1	1-pole modular fuse holder
CHM2DU	2	2-pole modular fuse holder
CHM3DU	3	3-pole modular fuse holder
CHM4DU	4	4-pole modular fuse holder
Fuse holder and neutral		
CHM1DNU	2	1-pole + neutral modular fuse holder
CHM3DNU	4	3-pole + neutral modular fuse holder
Fuse holder with neon indicator		
CHM1DIU	1	1-pole modular fuse holder with neon indicator
CHM2DIU	2	2-pole modular fuse holder with neon indicator
CHM3DIU	3	3-pole modular fuse holder with neon indicator
CHM4DIU	4	4-pole modular fuse holder with neon indicator
Fuse holder with neon indicator and neutral		
CHM1DNIU	2	1-pole + neutral modular fuse holder with neon indicator
CHM3DNIU	4	3-pole + neutral modular fuse holder with neon indicator
Fuse holder with LED Indicator		
CHM1DI-48U	1	1-pole modular fuse holder with LED indicator
Modular fuse holders for photovoltaic applications (Yellow)		
Fuse holder only		
CHPV1U	1	1-pole modular fuse holder
CHPV2U	2	2-pole modular fuse holder holder
Fuse holder with neon indicator		
CHPV1IU	1	1-pole modular fuse holder with neon indicator
CHPV2IU	2	2-pole modular fuse holder with neon indicator
Modular fuse holders for UL Class CC applications (Black)		
Fuse holder only		
CHCC1DU	1	1-pole modular fuse holder
CHCC2DU	2	2-pole modular fuse holder
CHCC3DU	3	3-pole modular fuse holder
Fuse holder with neon indicator		
CHCC1DIU	1	1-pole modular fuse holder with neon indicator
CHCC2DIU	2	2-pole modular fuse holder with neon indicator
CHCC3DIU	3	3-pole modular fuse holder with neon indicator
Fuse holder with LED Indicator		
CHCC1DI-48U	1	1-pole modular fuse holder with LED indicator

Data sheet: 720147

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Modular fuse holders for 10 x 38 mm fuse links - CHM

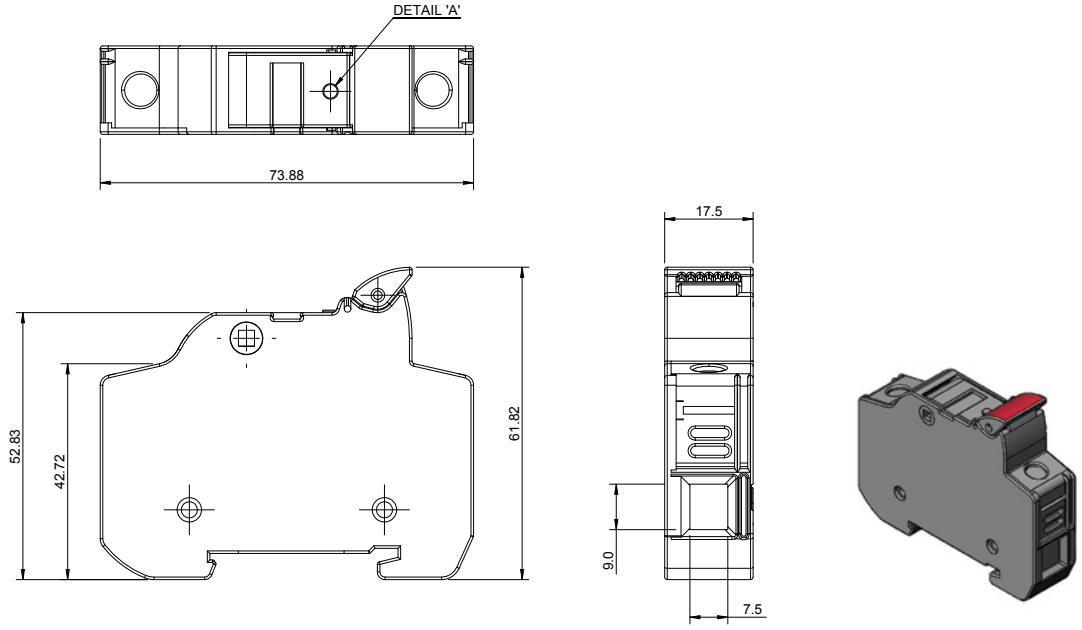
Technical data

Type	Rated voltage IEC	Rated voltage UL	Rated current IEC	Rated current UL	Terminal rating	Rated breaking withstand capactiy	Compatible Bussmann series fuse links
Modular fuse holders for IEC industrial applications (Red)							
CHM1	690 V a.c.	600 V a.c.	32 A	30 A	IEC 1 to 25 mm² 70°C PVC Copper cable (solid stranded or fine stranded) Spade lug Comb bus bar	IEC 120 kA rms sym UL 200 kA rms sym CCC 100 kA rms sym	IEC: C10 and FWP-G10F UL: FNQ, KLM, FNM, KTK, BAF, FWA, PVM, AGU, BAN, FWC
CHM_DN(X)U	690 V a.c.	600 V a.c.	32 A	30 A			
CHM1DI-48U	48 V d.c.	48 V d.c.	32 A	30 A			
Modular fuse holders for Photovoltaic applications (Yellow)							
CHPV	1000 V d.c.	1000 V d.c.	32 A	30 A	IEC 1 to 25 mm² 70°C PVC Copper cable (solid stranded or fine stranded) Spade lug Comb bus bar	33 kA rms sym	Solar PV range: PVM, PV-A10F
Modular fuse holders for UL Class CC Industrial applications (Black)							
CHCC	N/A	600 V a.c.	N/A	30 A	Cable 75°C and 90°C Cu cable	200 kA rms sym	LP-CC, FNQ-R, KTK-R
CHCC1DI-48U	N/A	48 V d.c.	N/A	30 A			

Standards / Agency information

	IEC	UL	CSA	CCC	CE
CHMD(I)U	IEC 60269-1 IEC 60269-2	UL 4248-1 UL file E14853	C22.2 No 4248.1	GB 13539.1 GB 13539.2	DCB 272
CHMDN(I)U	IEC 60269-1 IEC 60269-2	UL 4248-1 UL file E14853	C22.2 No 4248.1	GB 13539.1 GB 13539.2	DCB 272
CHM1DI-48U	IEC 60269-1 IEC 60269-2	UL 4248-1 UL file E14853	C22.2 No 4248.1	GB 13539.1 GB 13539.2	DCB 272
CHM1DNXU	IEC 60269-1 IEC 60269-2	UL 4248-1 UL file E14853	C22.2 No 4248.1	GB 13539.1 GB 13539.2	DCB 272
CHPV	IEC 60269-1	UL 4248-1 UL4248-19 UL file E14853	C22.2 No 4248.1 C22.2 No 4248.19	GB 13539.1	DCB 272
CHCC1D(I) to CHCC3D(I)U	N/A	UL 4248-1 UL file E14853	C22.2 No 4248.1	N/A	Contact: fusetech@eaton.com
CHCC1DI-48U	N/A	UL 4248-1 UL file E14853	C22.2 No 4248.1	N/A	Contact: fusetech@eaton.com

Dimensions mm



Data sheet: 720147

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Modular fuse holders for 14 x 51 mm fuse links - 690 V a.c. / 750 and 1500V d.c. - 50 A - CHPV14

Description

Compact DIN-Rail mount fuse holders for 14 x 51 mm cylindrical fuse links. Available in different versions with neutral and microswitch.



Technical data

Rated voltage & Rated current: see table page 390

Compatible fuse links

- C14G and C14M14 x 51 mm gG and gM cylindrical fuse links
- FW Ferrule
  - FWH-A14F
  - FWX-A14F
  - FWP-A14F (please consult Eaton's bulehighspeedtechnical@eaton.com if you wish to use a FWP fuse link with a striker option)
  - FWP-G14F
- PV-A14F

Standards / Agency information

IEC 60269-1 and 60269-2

Catalogue numbers

Catalogue number	Number of poles	Description
Neutral only		
CH141DNXU	1	Neutral modular fuse fuse holder
Fuse holder only		
CH141DU	1	1-pole modular fuse holder
CH142DU	2	2-pole modular fuse holder
CH143DU	3	3-pole modular fuse holder
CH144DU	4	4-pole modular fuse holder
Fuse holder and neutral		
CH141DNU	2	1-pole + neutral modular fuse holder
CH143DNU	4	2-pole + neutral modular fuse holder
Fuse holder with neon indicator		
CH141DIU	1	1-pole modular fuse holder with neon indicator
CH142DIU	2	2-pole modular fuse holder with neon indicator
CH143DIU	3	3-pole modular fuse holder with neon indicator
CH144DIU	4	4-pole modular fuse holder with neon indicator
Fuse holder with neon indicator and neutral		
CH141DNIU	2	1-pole + neutral modular fuse holder with neon indicator
CH143DNIU	4	3-pole + neutral modular fuse holder with neon indicator
Fuse holder with microswitch		
CH141DMSU-F	1	1-pole modular fuse holder with microswitch for remote fuse indication operation
CH143DMSU-F	3	3-pole modular fuse holder with microswitch for remote fuse indication operation
Fuse holder with microswitch and neutral		
CH143DNMSU-F	4	3-pole + neutral modular fuse holder with microswitch for remote fuse indication operation
Fuse holder with LED Indicator		
CHPV141DI-48U	1	1-pole modular fuse holder with LED indicator
Fuse holder for photovoltaic applications		
CHPV141U	1	1-pole modular fuse holder
CHPV141IU	1	1-pole modular fuse holder with neon indicator
CHPV142U	2	2-pole modular fuse holder holder
CHPV142IU	2	2-pole modular fuse holder with neon indicator

Data sheet: 10080

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Accessories

Modular fuse holders for 14 x 51 mm fuse links - 690 V a.c. / 750 and 1500V d.c. - 50 A - CHPV14

Technical data

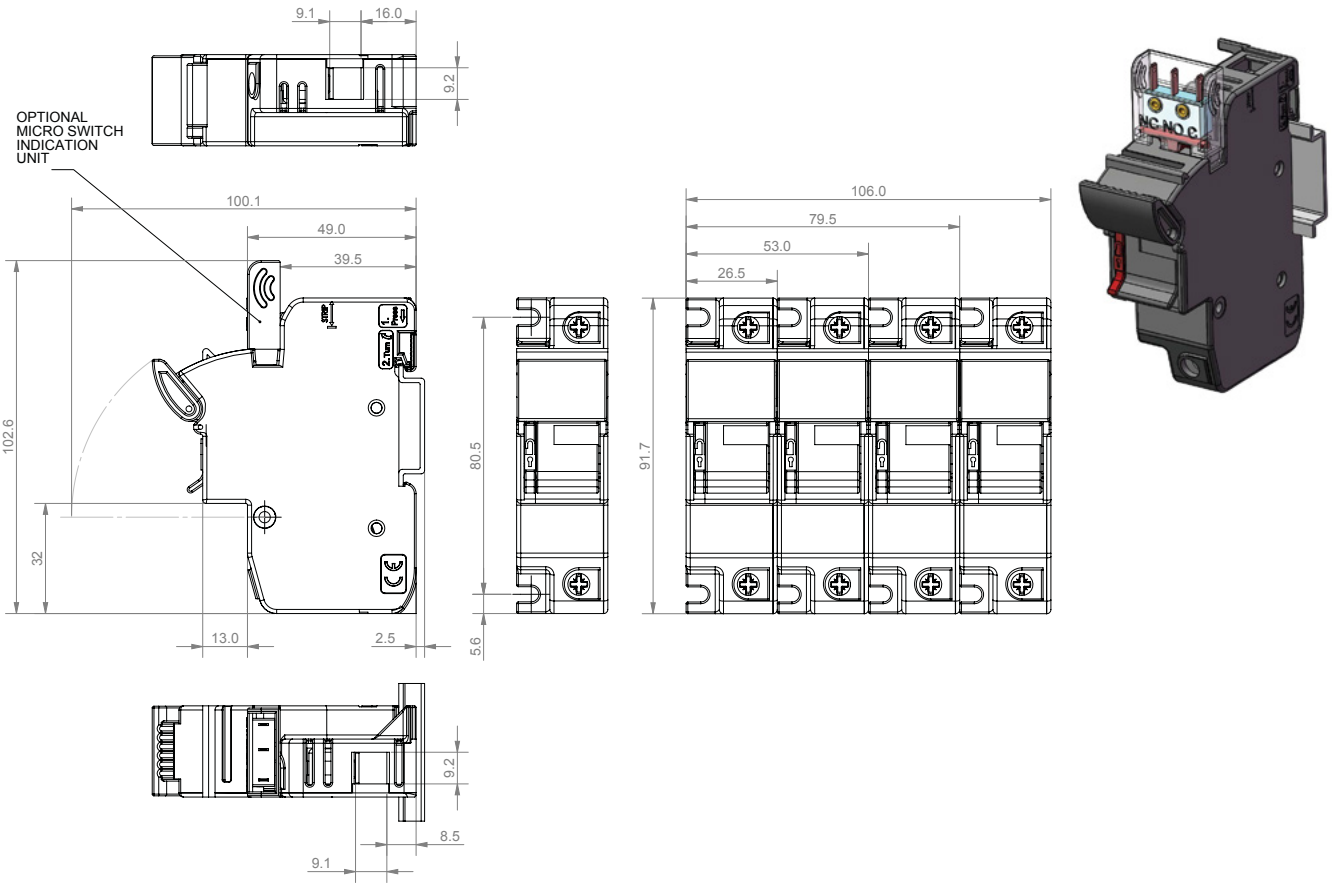
Type	Rated current		Rated voltage		Agency markings	Terminal rating	Rated breaking withstand capactiy	Compatible Bussmann series fuse links
	IEC	UL	IEC	UL				
CH14	50 A (a.c. and d.c.)	50 A	690 V a.c. / 750 V d.c.	700 V a.c.	IEC 60269-1 and 2 UL Listed file number E14853	Cable size: 1.5-50 mm² Recommended torque setting: 3.5 N·m Maximum torque setting: 3.5 N·m	120 kA a.c.	C14G and C14M FWX-A14F[1] FWH-A14F[1] FWP-A14F FWP-G14F
CHPV Photovoltaic	50 A (a.c. and d.c.)	50 A	1500 V d.c.	1500 V d.c.	IEC 60269-1 and 2 UL Listed file number E348242	Mounting 35 mm DIN-Rail or 2 x M4 panel mounting screws	10 kA d.c.	PV-A14F

[1] Maximum allowed continuous current applies. Please refer to data sheet for details.

Accessories

Catalogue numbers	Description	Unit packing
JV-L	Multi-pole connector kit. One kit will gang up to 4-poles together	12
CH14-SPS	Microswitch to work on CH141D(I)U, 1 n/o + 1 n/c changeover type	3
CH14-TPS	Microswitch to work on CH143D(I)U, 1 n/o + 1 n/c changeover type	3
CH14-CTP	IP20 protection accessory, provides IP20 protection to terminals with 10mm² or less cable	12

Dimensions (mm)



Data sheet: 10080

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Modular fuse holders for 22 x 58 mm fuse links - 690 V a.c./1000 V d.c. - 125 A - CH22

Description

Compact DIN-Rail mount fuse holders for 22 x 58 mm cylindrical fuse links. Available in different versions with neutral and microswitch.



Technical data

Rated voltage & Rated current: see table below

Compatible fuse links

- C22G and C22M 22 x 58 mm gG and gM cylindrical fuse links
- FWP-A22F Ferrule (please consult Eaton for derating information bulehighspeedtechnical@eaton.com
- FWP-G22F

Standards / Agency information

IEC 60269-1 and 60269-2

Catalogue numbers

Catalogue number	Number of poles	Description
Neutral only		
CH221DNXU	1	Neutral holder
Fuse holder only		
CH221DU	1	1-pole modular fuse holder
CH222DU	2	2-pole modular fuse holder
CH223DU	3	3-pole modular fuse holder
CH224DU	4	4-pole modular fuse holder
Fuse holder with neon indicator		
CH221DIU	1	1-pole modular fuse holder with neon indicator
CH222DIU	2	2-pole modular fuse holder with neon indicator
CH223DIU	3	3-pole modular fuse holder with neon indicator
CH224DIU	4	4-pole modular fuse holder with neon indicator
Fuse holder and neutral		
CH221DNU	2	1-pole + neutral modular fuse holder
CH223DNU	4	3-pole + neutral modular fuse holder
Fuse holder with neutral and neon indicator		
CH221DNIU	2	1-pole + neutral modular fuse holder + neon indicator
CH223DNIU	4	3-pole + neutral modular fuse holder + neon indicator
Fuse holder with microswitch		
CH221DMSU-F	1	1-pole modular fuse holder with microswitch (pre-breaking/fuse operation)
CH223DMSU-F	3	3-pole modular fuse holder with microswitch (pre-breaking/fuse operation)
Fuse holder with neutral and microswitch		
CH223DNMSU-F	3	3-pole modular fuse holder + neutral + microswitch (pre-breaking/fuse operation)
Fuse holder with LED Indicator		
CH221DI-48U	1	1-pole modular fuse holder with LED Indicator

Technical data

Rated voltage		Rated current		Agency markings	Terminal rating	Rated breaking withstand capactiy	Compatible Bussmann series fuse links
IEC	UL	IEC	UL				
690 V a.c. 1000 V d.c.	700 V a.c.	125 A (a.c. and d.c.)	100 A (a.c.)	IEC 60269-1 and 2 UL Listed file number E14853	Cable size: 2.5-70 mm² Recommended torque setting: 4 N·m Maximum torque setting: 5 N·m Mounting 35 mm DIN-Rail or 2 x M4 panel mounting screws	120 kA a.c. 50 kA d.c.	FWP Ferrule[1]

[1] Maximum allowed continuous current applies. Please refer to data sheet for details.

Data sheet: 10115

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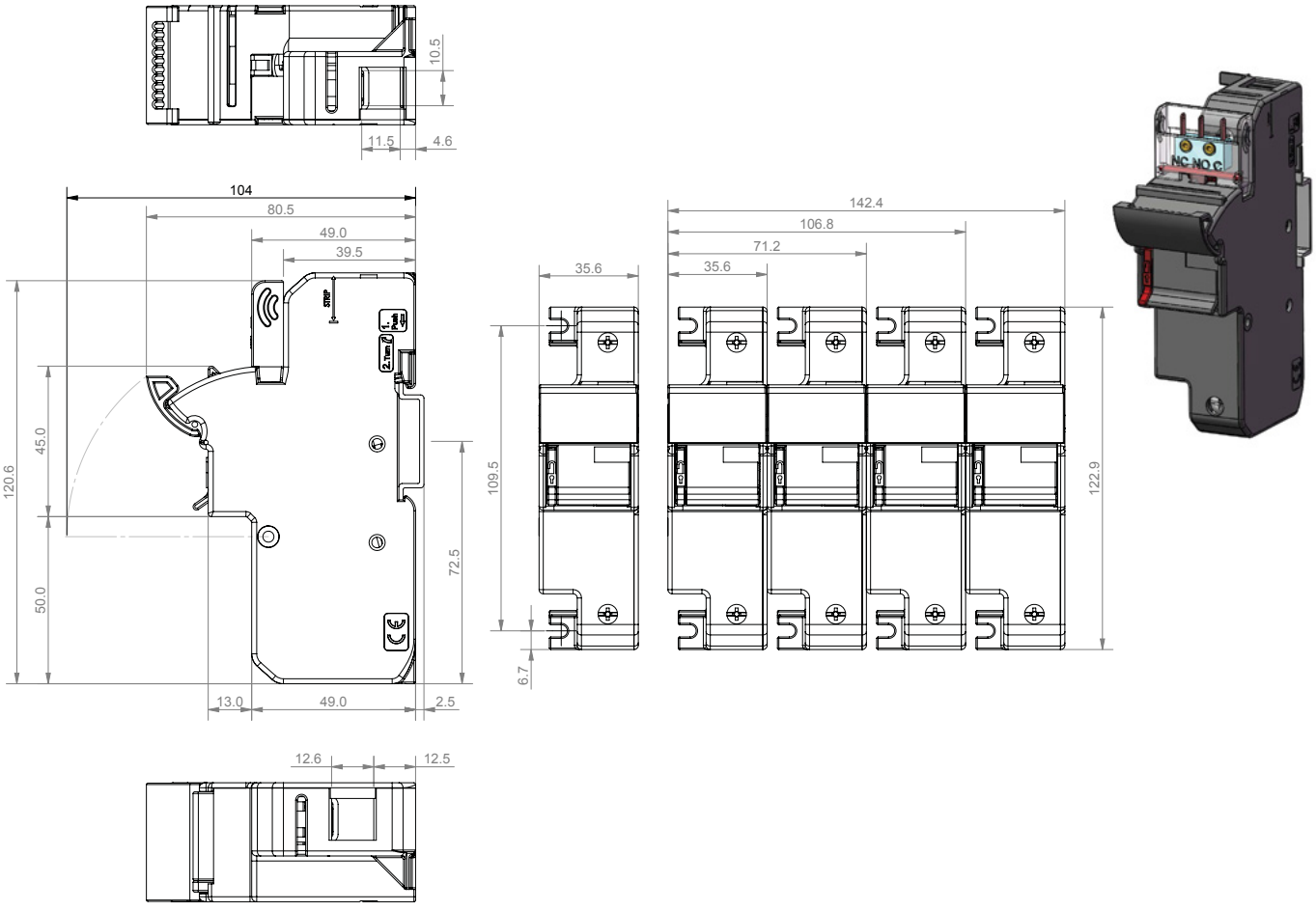
Accessories

Modular fuse holders for 22 x 58 mm fuse links - 690 V a.c./1000 V d.c. - 125 A - CH22

Accessories

Catalogue numbers	Description	Unit packing
JV-L	Multi-pole connector kit. One kit will gang up to 4-poles together	12
CH22-CTP	IP20 protection accessory, provides IP20 protection to terminals with 10mm^2 or less cable	12
CH22-SPS	Microswitch to work on CH221D(I)U, 1 n/o + 1 n/c changeover type	3
CH22-TPS	Microswitch to work on CH223D(I)U, 1 n/o + 1 n/c changeover type	3

Dimensions (mm)

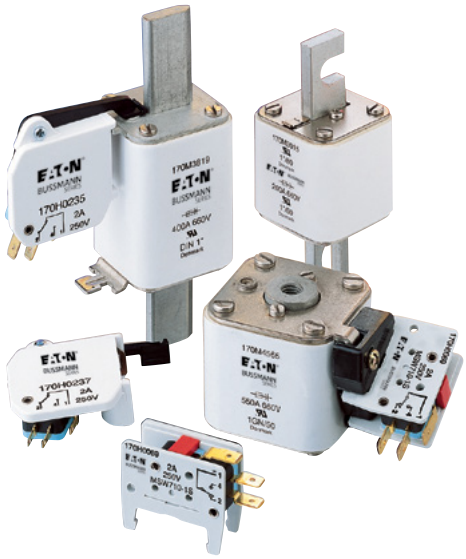


Data sheet: 10115

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Microswitches for square body fuse links - indicator systems - 170H

High Speed square body fuse links are available with three different indicators.



1 - Visual Indicator

The indicator situated in one end plate is clearly visible as soon as the fuse link has operated. The minimum rated voltage for operating the indicator is 20 V.

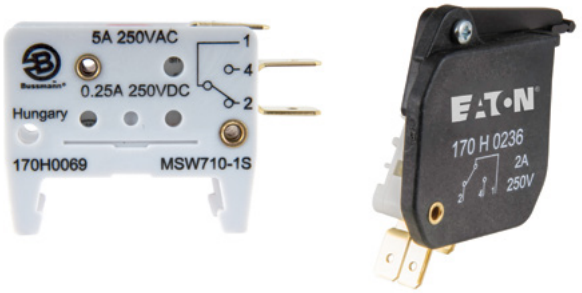
2 - Type T Indicator

The indicator is situated on one cover plate with a cover plate tag to accomodate an auxiliary switch. The minimum rated voltage for operating the indicator is 20 V. A special low rated voltage indicator (1.5V) is available on request).

3 - Type K Indicator

The indicator is situated on the fuse link body. It is covered by an adaptor for snap-on mounting of an auxiliary switch. The operating Rated voltage of the indicator is 1.5V. As a matter of safety, the factory mounted adaptor must not be removed from the fuse link.

Microswitches



Specifications

High Speed square body fuse links with either Type T indicator or Type K indicator can be equiped with a microswitch. For remote electrical indication of fuse link operations. All microswitches have one normally open and one normally closed contact.

Technical data

- Rated voltage: 10-250 V a.c.
- Rated current: 30mA-2A

Fuse link body size	DIN 43653		DIN 43620		French style		Flush end		US Style	Terminal size	
	Type T	Type K	aR	gR and dual indication	Type T	Type K	Type T	Type K	Type K	6.3 x 0.8mm lugs	2.8 x 0.5mm lugs
000	170H0236		170H0236	170H0236						X	
	170H0238		170H0238	170H0238							X
00	170H0235		170H0236	170H0236			170H0235			X	
	170H0237		170H0238	170H0238			170H0237				X
1*	170H0235	170H0069	170H0235		170H0236	170H0069		170H0069	170H0069	X	
	170H0237		170H0237		170H0238						X
1	170H0235	170H0069	170H0235[1]	170H0236	170H0236	170H0069		170H0069	170H0069	X	
	170H0237		170H0237[1]	170H0238	170H0238						X
2	170H0235	170H0069	170H0235	170H0236	170H0236	170H0069		170H0069	170H0069	X	
	170H0237		170H0237	170H0238	170H0238						X
3	170H0235	170H0069	170H0236	170H0236	170H0236	170H0069		170H0069	170H0069	X	
	170H0237		170H0238	170H0238	170H0238						X
4								170H0069		X	
23								170H0069		X	
24								170H0069		X	

For special microswitches, double microswitches, DC rating of the microswitches, lower/higher signal levels and for insulation voltages please contact Eaton: bulehighspeedtechnical@eaton.com.

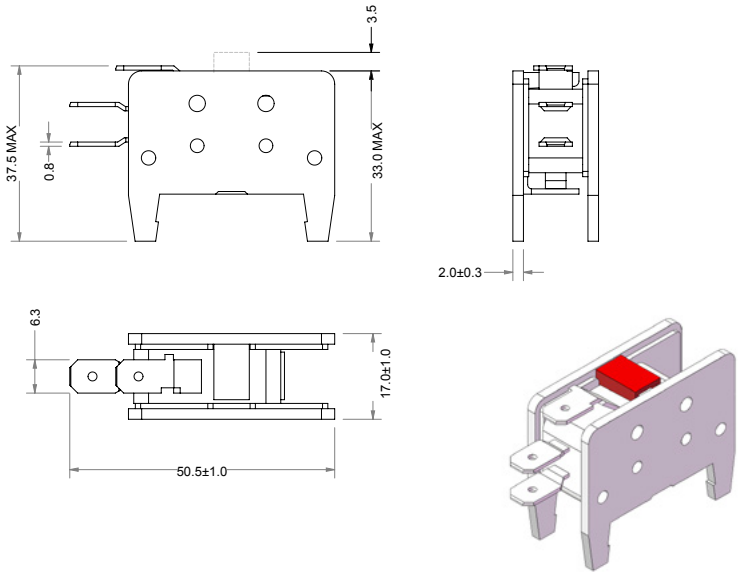
[1] DIN2* (55x55), if DIN2 then use microswitch 170H0236, 170H0238.

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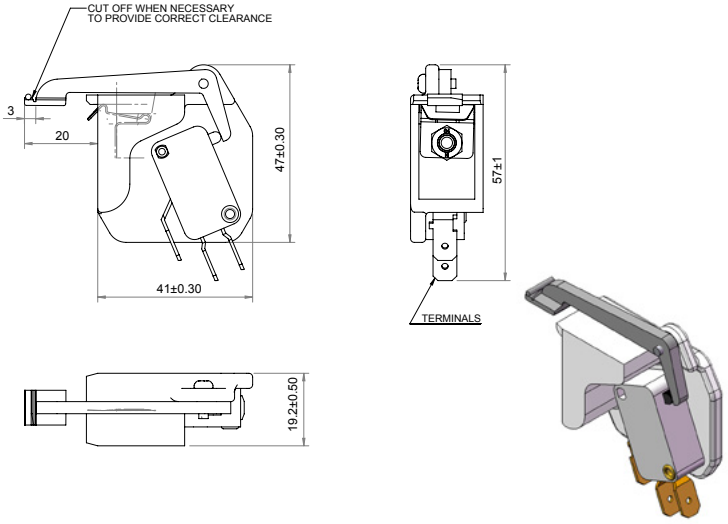
Accessories

Microswitches for square body fuse links - indicator systems - 170H

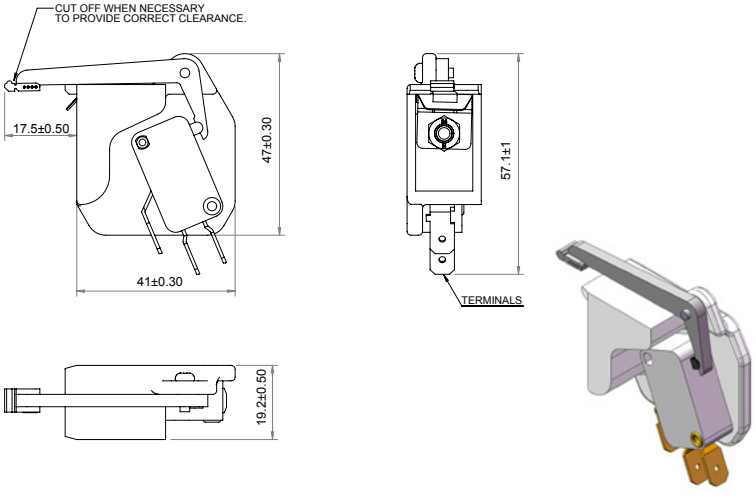
Dimensions (mm) - 170H0069



Dimensions (mm) - 170H0235 and 170H0237 for bent tags



Dimensions (mm) - 170H0236 and 170H0238 for straight tags



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Microswitches for British Standard BS88-4 fuse links - Trip indicator/Microswitches

Description

Trip-indicator fuse links are available for use in parallel with the main BS88-4 fuse links. They can either be attached to the associated fuse link or mounted separately in panel mounted fuse clips. A push-on adaptor and microswitch attachment is available for use with the trip indicator to give the facility of remote indication.

Fuse ratings of 20 A and below cannot usually accommodate a trip fuse link in parallel.





Catalogue numbers

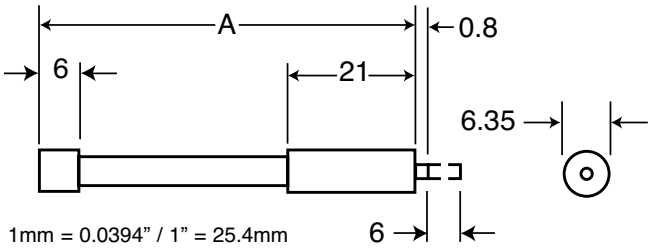
Trip indicator kit (indicator + clips)

Fuse type	Catalogue number
ET	EC-600
EET	EC-600
FE	EC-600
FEE	EC-600
LET	EC-250
FM	MC-600
FMM	MC-600
LMT	MC-250
LMMT	MC-250
MT	MC-700
MMT	MC-700

Indicator Only

Fuse type	Max RMS AC voltage (V a.c. RMS)	Dim 'A' (mm)
TI250	250	37.6
TI500	500	47.5
TI600	600	55.7
TI700	700	61.8
TI1100	1100	98.4
TI1500	1500	120.8
TI2000	2000	147.5
TI2500	2500	198.3

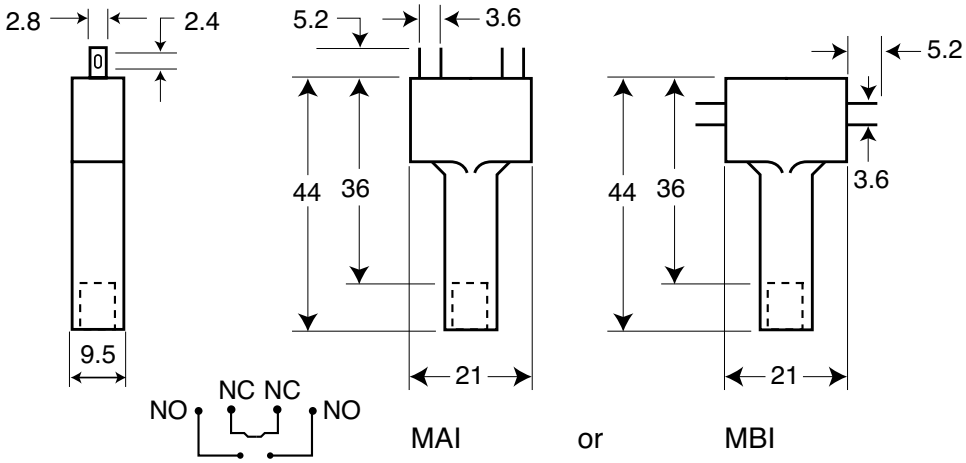
Dimensions (mm)

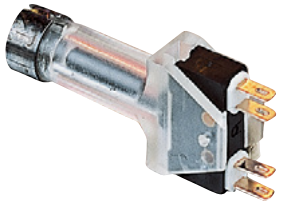




Microswitch/Adaptor: MAI and MBI

Dimensions (mm)





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Accessories

FW14-PCB Mountable fuse clip

Catalogue number

FW14-PCB

Description

Mountable fuse clip compatible with any 14 mm Ø fuse links.

Technical data

- Max rated power acceptance: 6 Watts

Please note deratings apply to fuse links with watts loss greater than 6 Watts, contact bulehighspeedtechnical@eaton.com for application assistance

- Material: Copper Alloy CuSn, tin plated
- Weight: 5 grams each

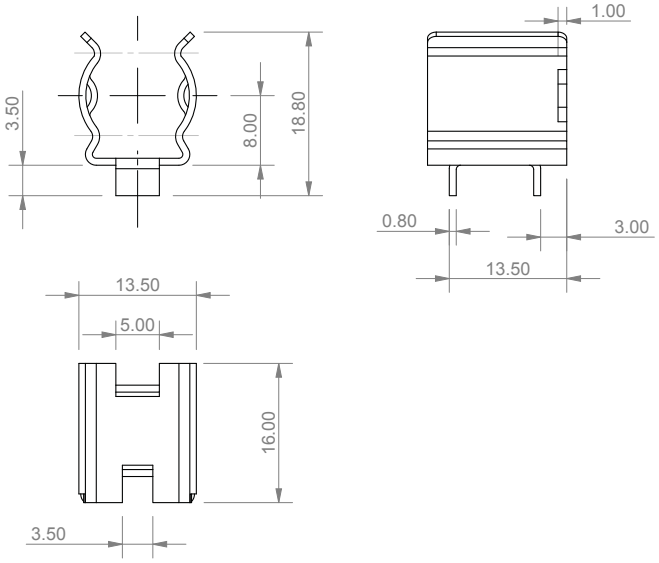
Compatible fuse links

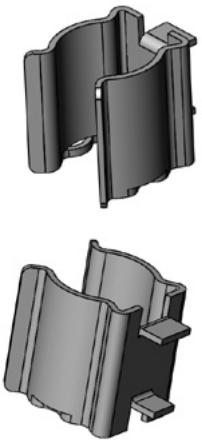
- Any 14 mm Ø fuse links

Standards / Agency information

IEC 60269-1

Dimensions (mm)





Appropriate creepage and clearances distances between clips should be maintained when mounting on the PCB.

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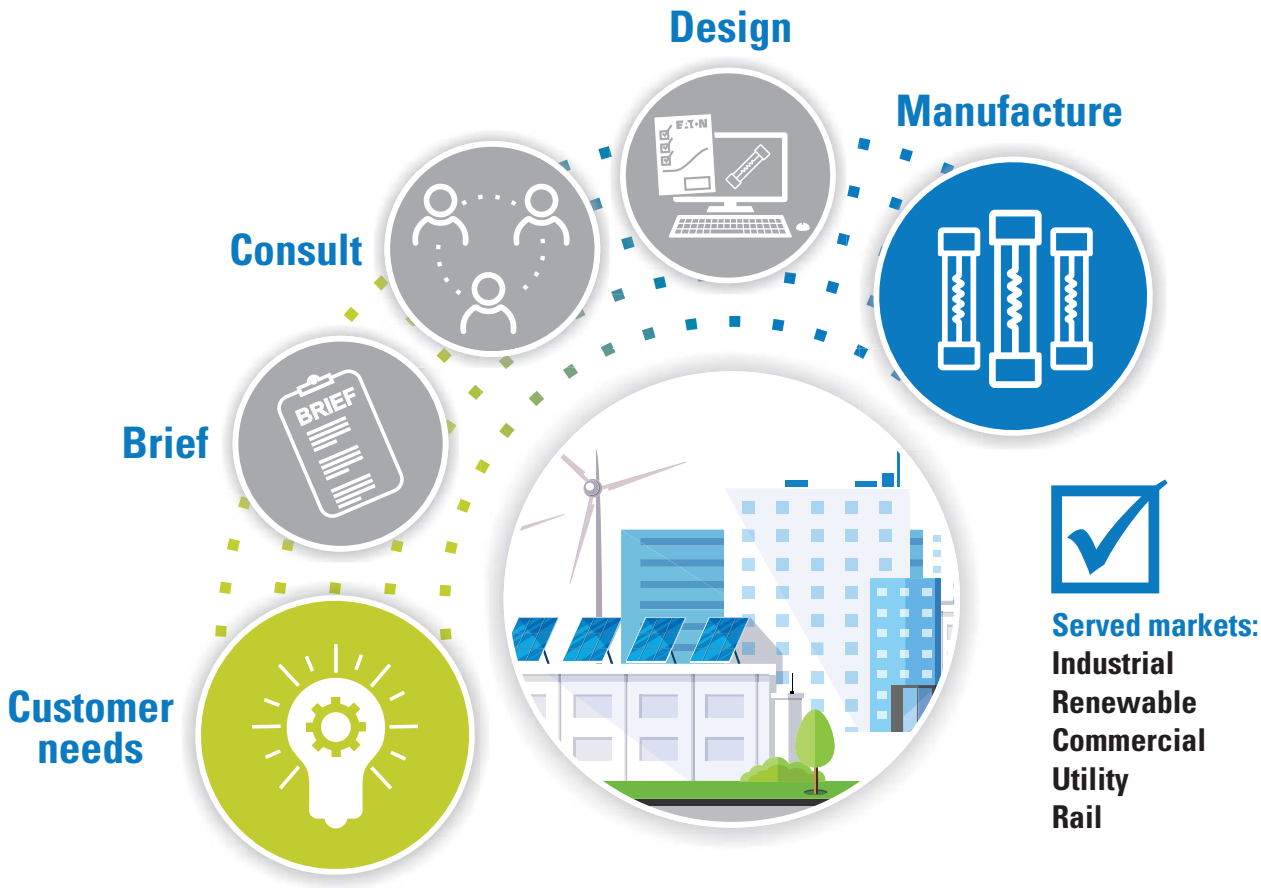
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- New current/voltage ratings
- Design to meet I2t requirements
- Customised mounting connection and plating materials
- Modify indicator locations/ add or remove indicators
- Special end connections
- Acquire UL/IEC/CCC/CSA certificates
- Customised testing such as shock vibration
- Higher breaking capacity testing

Contact us today:

For general fuse enquiries: buletechnical@eaton.com

For high speed fuses enquiries : bulehighspeedtechnical@eaton.com

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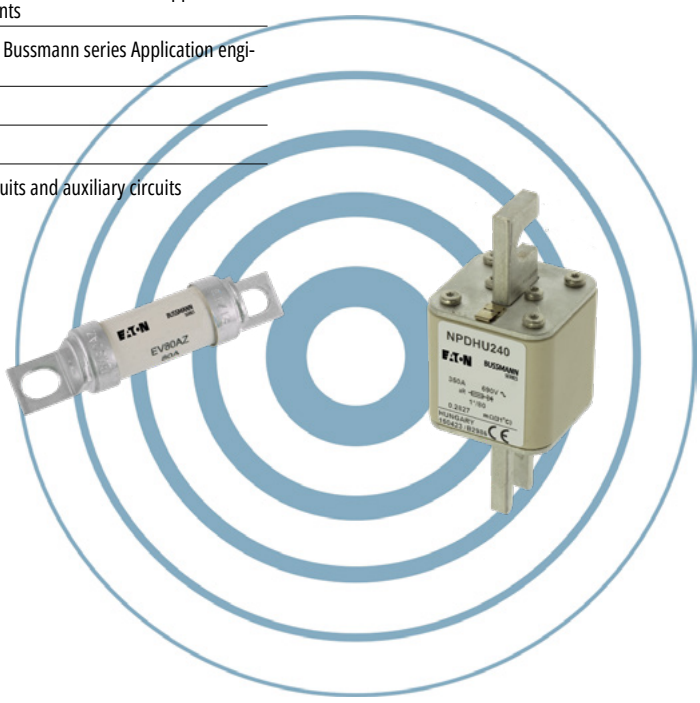


Hybrid Electric Vehicles

As the automotive world is becoming ever more electrified the power requirements are changing, so have the protection needs. Eaton is continually developing designs to meet these ever changing requirements. The experience of Eaton in protecting semiconductor devices has proved invaluable as vehicle powertrain systems have moved to power based converters for the variable speed motor drives and also for auxiliary power conversion.

Utilising a global network of engineering, manufacture and distribution Eaton is able to draw upon a wealth of knowledge to fully meet your application needs.

Hybrid Electric Vehicles (HEV)	
Standards	Most commonly ISO 8820-8, Jaso D622 amongst others
Voltage	Options up to 1000 V d.c., please contact Eaton's Bussmann series Application engineers to discuss your specific requirements
Current	Options up to 1250 A, please contact Eaton's Bussmann series Application engineers to discuss your specific requirements
Operating class	aR & gR
Breaking capacity	Up to 150 kA
Applications	Batteries, converters, inverters, charging circuits and auxiliary circuits



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Contact details

Customer Satisfaction team

Eaton's Customer Satisfaction team is available to answer questions regarding Bussmann series products.

Calls can be made between:

Monday - Friday 7.30 a.m. - 5.00 p.m. GMT

The Customer Satisfaction team can be reached via:

Phone: 00 44 (0) 1509 882 600

Email: GBBURsales@eaton.com

www.my.eaton.com

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Online resources

Visit www.eaton.com for the following resources:

- Product cross reference
- Product profiles
- Online catalogues for the latest United States and European catalogues.

Application engineering

Application Engineering assistance is available to all customers. The Application Engineering team is staffed by university-qualified electrical engineers who are available with technical and application support.

Calls can be made between:

Monday - Thursday 8.30 a.m. - 4.30 p.m. GMT

Friday 8.30 a.m. - 4.00 p.m. GMT

Application Engineering can be reached via:

Phone: 00 44 (0) 1509 882 699

General technical enquiries:
buletechnical@eaton.com

Enquiries related to High speed fuses:
bulehighspeedtechnical@eaton.com

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Eaton is an intelligent power management company dedicated to protecting the environment and improving the quality of life for people everywhere. We make products for the data center, utility, industrial, commercial and institutional, machine building, residential, aerospace and mobility markets. We are guided by our commitment to do business right, to operate sustainably and to help our customers manage power - today and well into the future. By capitalizing on the global growth trends of electrification and digitalization, we're helping to solve the world's most urgent power management challenges and building a more sustainable society for people today and generations to come.

Founded in 1911, Eaton has continuously evolved to meet the changing and expanding needs of our stakeholders. With revenues of $27.4 billion in 2025, the company serves customers in 180 countries.

For more information, visit eaton.com. Follow us on LinkedIn.



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