

2910368

https://www.phoenixcontact.com/us/products/2910368

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Surge protective device, single channel with remote indicator contact for 240 V AC DELTA.



Commercial Data

Item number	2910368
Packing unit	1 pc
Note	Made to Order (non-returnable)
Sales Key	C06
Product Key	CL132U
Catalog Page	Page 98 (C-4-2019)
GTIN	4055626445076
Weight per Piece (including packing)	141 g
Weight per Piece (excluding packing)	141 g
Customs tariff number	85363030
Country of origin	US



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Technical Data

Notes

Note	Additional information for IT systems
duct properties	
IEC test classification	II
120 toot oldcomodion	T2
EN type	T2
IEC power supply system	TN-C
	IT
Туре	DIN rail module, two-section, divisible
Product type	Surge arrester
Number of positions	1
Surge protection fault message	Optical, remote indicator contact
sulation characteristics	
Overvoltage category	III
Pollution degree	2
ctrical properties	
Nominal frequency f _N	50 Hz (60 Hz)
dicator/remote signaling	
Connection name	Remote fault indicator contact
Switching function	Changeover contact
Operating voltage	5 V AC 250 V AC
	30 V DC
Operating current	5 mA AC 750 mA AC
	1 A DC
CD switch	
Rated residual operating current $I_{\Delta n}$	≤ 450 µA
nnection data	
Connection method	Screw connection
Screw thread	M5
Tightening torque	3 Nm (1.5 mm² 16 mm²)
	4.5 Nm (25 mm² 35 mm²)
Stripping length	16 mm
Conductor cross section flexible	1.5 mm² 25 mm²

 $1.5\;mm^2\;...\;35\;mm^2$

15 ... 2

Conductor cross section solid

Conductor cross section AWG



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Connection method	Fork-type cable lug
Conductor cross section flexible	1.5 mm² 16 mm²
Remote fault indicator contact	
Terrote fault indicator contact	
Connection method	Plug-in/screw connection via COMBICON
Screw thread	M2
Tightening torque	0.25 Nm
Conductor cross section flexible	0.14 mm² 1.5 mm²
Conductor cross section solid	0.14 mm² 1.5 mm²
Conductor cross section AWG	28 16

Dimensions

Dimensional drawing	96.8
Width	17.6 mm
Height	96.8 mm
Depth	65.7 mm (incl. DIN rail 7.5 mm)
Horizontal pitch	1 Div.

Material specifications

Color	jet black RAL 9005
Flammability rating according to UL 94	V-0
CTI value of material	600
Insulating material	PA 6.6/PBT
Material group	I
Housing material	PA 6.6
	PBT

Protective circuit

Mode of protection	L-PEN
Direction of action	1L-GND
Nominal voltage U _N	240 V AC (TN-C/IT)
Nominal frequency f _N	50 Hz (60 Hz)
Maximum continuous voltage $\mathbf{U}_{\mathbf{C}}$	275 V AC
Standby power consumption P _C	≤ 120 mVA
Nominal discharge current I _n (8/20) μs	20 kA
Maximum discharge current I _{max} (8/20) μs	40 kA
Short-circuit current rating I _{SCCR}	25 kA
Voltage protection level U _p	≤ 1.35 kV
Residual voltage U _{res}	≤ 1.35 kV (at I _n)
	≤ 1.1 kV (at 10 kA)



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	≤ 1 kV (at 5 kA)
	≤ 0.9 kV (at 3 kA)
TOV behavior at U _T	335 V AC (5 s / withstand mode)
	440 V AC (120 min / safe failure mode)
Response time t _A	≤ 25 ns
Max. backup fuse with branch wiring	125 A (gG)

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20 (only when all terminal points are used)
Ambient temperature (operation)	-40 °C 80 °C
Ambient temperature (storage/transport)	-40 °C 80 °C
Altitude	≤ 2000 m (amsl (above mean sea level))
Permissible humidity (operation)	5 % 95 %
Shock (operation)	25g (Half-sine / 11 ms / 3x ±X, ±Y, ±Z)
Vibration (operation)	5g (10 500 Hz / 2.5 h / X, Y, Z)

Approval data

UL specifications

Maximum continuous operating voltage MCOV	275 V AC
Short-circuit current rating (SCCR)	200 kA
Voltage protection rating VPR	1000 V
UL type	type 1
Nominal discharge current I _n	20 kA
Maximum Surge Current per Phase	40 kA
Mode of protection	L-G
Nominal voltage	240 V AC (Single-phase)
Power distribution system	Single phase
Nominal frequency	50/60 Hz
SPD Type	1
UL indicator/remote signaling	
AC operating voltage	125 V AC
AC operating current	1 A AC
UL connection data	
Tightening torque	30 lb _C in.
Conductor cross section AWG	14 2

Standards and regulations

Air clearances and creepage distances

Standards/regulations	EN 60664-1 / EN 61643-11
Standards/specifications	IEC 61643-11
Standards/specifications	EN 61643-11



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Mounting

Mounting type DIN rail: 35 mm

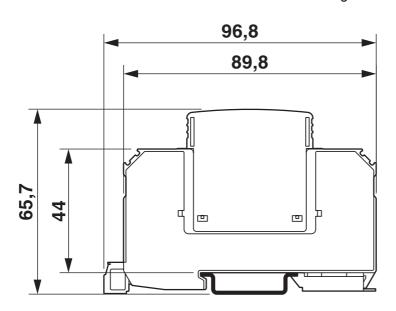


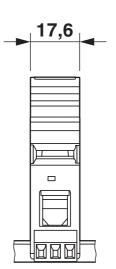
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Drawings

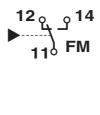
Dimensional drawing





Circuit diagram







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Approvals



UL Listed

Approval ID: FILE E 330181



cUL Listed

Approval ID: FILE E 330181

cULus Listed



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Classifications

ECLASS

ECLASS-9.0	27130805
ECLASS-10.0.1	27130805
ECLASS-11.0	27130805
ECLASS-12.0	27171202
TIM	

ETIM

ETIM 8.0	EC000941

UNSPSC

UNSPSC 21.0	39121600
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Accessories

Wiring bridge

Wiring bridge - MPB F600X16/ 1GS - 2818355 https://www.phoenixcontact.com/us/products/2818355



Wiring bridge flexible, diameter: 16 mm², with a fork-type cable lug on one side, length: 600 mm

Wiring bridge

Wiring bridge - MPB F200X16/ 1GS - 2818339 https://www.phoenixcontact.com/us/products/2818339



Wiring bridge flexible, diameter 16 $\mathrm{mm}^2,$ with a fork-type cable lug on one side, length: 200 mm



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Wiring bridge

Wiring bridge - MPB 18/1-10/1.0.0 - 2830443 https://www.phoenixcontact.com/us/products/2830443



Wiring bridge for modules with connecting pitch 17.5 mm, 1-phase, 10 pitches with contact sequence 1-0-0

Wiring bridge

Wiring bridge - MPB 18/4-12 - 2809296 https://www.phoenixcontact.com/us/products/2809296







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Wiring bridge

Wiring bridge - MPB 18/4- 8 - 2809283 https://www.phoenixcontact.com/us/products/2809283



Wiring bridge for modules with connecting pitch 17.5 mm, 4-phase, 8-pos.

Wiring bridge

Wiring bridge - MPB 18/3- 6 - 2809241

https://www.phoenixcontact.com/us/products/2809241

Wiring bridge for modules with connecting pitch 17.5 mm, 3-phase, 6-pos.





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Wiring bridge

Wiring bridge - MPB 18/1-57 - 2809238 https://www.phoenixcontact.com/us/products/2809238



Wiring bridge for modules with connecting pitch 17.5 mm, 1-phase, 57-pos.

Wiring bridge

Wiring bridge - MPB 18/1-12 - 2748593

https://www.phoenixcontact.com/us/products/2748593



Wiring bridge for modules with connecting pitch 17.5 mm, 1-phase, 12-pos.



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Wiring bridge

Wiring bridge - MPB 18/1- 9 - 2748580 https://www.phoenixcontact.com/us/products/2748580



Wiring bridge for modules with connecting pitch 17.5 mm, 1-phase, 9-pos.

Wiring bridge

Wiring bridge - MPB 18/1-8 - 2748577

https://www.phoenixcontact.com/us/products/2748577



Wiring bridge for modules with connecting pitch 17.5 mm, 1-phase, 8-pos.



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Wiring bridge

Wiring bridge - MPB 18/1- 6 - 2748564 https://www.phoenixcontact.com/us/products/2748564



Wiring bridge for modules with connecting pitch 17.5 mm, 1-phase, 6-pos.

Wiring bridge

Wiring bridge - MPB 18/1- 4 - 2809225

https://www.phoenixcontact.com/us/products/2809225



Wiring bridge for modules with connecting pitch 17.5 mm, 1-phase, 4-pos.



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Wiring bridge

Wiring bridge - MPB 18/1- 3 - 2809212 https://www.phoenixcontact.com/us/products/2809212



Wiring bridge for modules with connecting pitch 17.5 mm, 1-phase, 3-pos.

Wiring bridge

Wiring bridge - MPB 18/1- 2 - 2809209

https://www.phoenixcontact.com/us/products/2809209



Wiring bridge for modules with connecting pitch 17.5 mm, 1-phase, 2-pos.



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Marker for terminal blocks

Marker for terminal blocks - ZBN 18,LGS:ERDE - 2749589 https://www.phoenixcontact.com/us/products/2749589



Marker for terminal blocks, Strip, white, labeled, horizontal: Grounding symbol, mounting type: snapped, for terminal block width: 18 mm, lettering field size: 18 x 5 mm, Number of individual labels: 5

Marker for terminal blocks

Marker for terminal blocks - ZBN 18,LGS:L1-N,ERDE - 2749576 https://www.phoenixcontact.com/us/products/2749576



Marker for terminal blocks, Strip, white, labeled, horizontal: L1, L2, L3, N, GND, mounting type: snapped, for terminal block width: 18 mm, lettering field size: 18 x 5 mm, Number of individual labels: 5



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Zack marker strip

Zack marker strip - ZBN 18:UNBEDRUCKT - 2809128 https://www.phoenixcontact.com/us/products/2809128



Zack marker strip, Strip, white, unlabeled, can be labeled with: CMS-P1-PLOTTER, PLOTMARK, mounting type: snapped, for terminal block width: 18 mm, lettering field size: 18 x 5 mm, Number of individual labels: 5

Marker pen

Marker pen - B-STIFT - 1051993

https://www.phoenixcontact.com/us/products/1051993



Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm

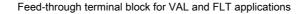


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Feed-through terminal block

Feed-through terminal block - DK-BIC-35 - 2749880 https://www.phoenixcontact.com/us/products/2749880





Type 1 surge protection plug

Type 1 surge protection plug - VAL-US-240D/40-P - 2910337 https://www.phoenixcontact.com/us/products/2910337



UL Recognized type 1 SPD and IEC type 2 surge protection plug with a varistor and thermal disconnect for use with VAL-US base elements, mechanical and visual fault warning

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Phoenix Contact USA 586 Fulling Mill Road Middletown, PA 17057, United States (+717) 944-1300 info@phoenixcon.com