

SAK-Series combination foot TS 35 + TS 32

SAK-Series combination foot TS 35 + TS 32	Feed-through modular terminals	
	TS 35 + TS 32 / PA	C.2
	Stud terminals	C.6
	Fuse terminals	
	TS 35 + TS 32 / PA	C.7
	Earth conductor isolating terminals	C.8

Feed-through modular terminals

TS 35 + TS 32 / PA

In hazardous area applications, the installation instructions and the rated data specifications for accessories given in the technical appendix must be followed.

Width/Length/height with TS35x7.5	mm
max. current / max. cond. cross-section	A/mm²
Max. clamping range	mm²

Technical data

Rated data	
Rated voltage	V
Rated current	A
Rated cross-section	mm²
Rated impulse voltage / Pollution severity	kV/-
Gauge to IEC 60947-1 / UL94 Flammability class	
Approvals	
Clamped conductors (H05V/H07V)	
solid / stranded	mm²
flexible / Stranded wire with end ferrules	mm²
Tightening torque range (clamping screw)	
Stripping length / Blade size	mm/-
2 conductors with same cross-section (H05V/H07V)	
solid / stranded	mm²
flexible / Stranded wire with end ferrules	mm²
Note	

Ordering data

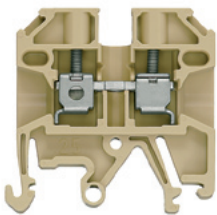
Version	
	beige
	Blue
Note	

Accessories

Screwable cross-connection	
	2-pole
	3-pole
	4-pole
	10-pole
	Connecting sleeve
	Mounting screw
	Lock washer
Switchable link	
	Switchable link
	Connecting sleeve
	Mounting screw
Testing / Checking	
	Test plug
	Socket
End plate / Partition plate	
	beige
	Blue
	beige
	Blue
Small partition	
	Small partition
Cover / warning label	
	Cover / warning label
	Mounting screw (plastic)
Marking systems	
	(see assortment in catalogue 7)
	Marking tags
For detailed information on other accessories and applications, refer to the „Accessories“ section	

SAK 2.5/EN

2.5 mm²



6.1 x 44.5 x 42.5
41 / 6
0.13...6

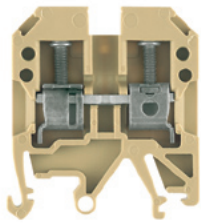
IEC 60947-7-1	Ex e II	Ex	II 2 G D
IEC	UL	CSA	EN 60079-7
800	600	600	550
24	25	25	21
2.5	AWG 22...12	AWG 26...10	2.5
8 / 3			
A3 / V2			
KEMA 97ATEX1798 U			
Rated connection			
0.5...6 / 0.5...4			
0.5...4 / 0.5...4			
0.4...0.6 Nm (M 2.5)			
10 / 0.6 x 3.5 mm			
...1.5			
With twin ferrules ZH 0.5 to ZH 1.5, rated voltage is 690 V.			

Type	Qty.	Order No.
SAK 2.5/EN	100	0218660000
SAK 2.5/EN BL	100	0218680000

Type	current	Qty.	Order No.
Q 2 SAK2.5	41 A	50	0337000000
Q 3 SAK2.5	41 A	50	0337100000
Q 4 SAK2.5	41 A	50	0337200000
Q 10 SAK2.5	41 A	20	0368700000
Width			
PS 2.3 RT	5.4 mm	20	0180400000
STB 8.5/5/2.3/M3 SAK2.5		50	0280600000
Width			
AP SAK2.5/35 + AST3+4	1.5 mm	20	0460560000
TW SAK2.5	2.5 mm	20	0302860000
TW SAK2.5 BL	1.5 mm	20	0302880000
Width			
TSCH 1	2 mm	100	0319160000
AD 3 SAK2.5		50	0297900000
BFSC M3X22 PA/RT		100	0128900000
Width			
DEK 5/6			

SAK 4/EN

4 mm²



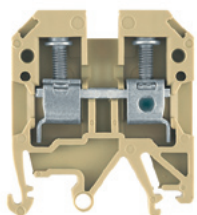
6.5 x 42 x 47.5
41 / 6
0.13...6

IEC 60947-7-1	Ex e II	Ex	II 2 G D
IEC	UL	CSA	EN 60079-7
800	600	600	690
32	30	36	28
4	AWG 22...12	AWG 26...10	4
8 / 3			
A4 / V2			
KEMA 97ATEX1798 U			
Rated connection			
0.5...6 / 0.5...4			
0.5...4 / 0.5...4			
0.5...1.0 Nm (M 3)			
12 / 0.6 x 3.5 mm			
1.5...1.5			
0.5...1.5			
With twin ferrules ZH 0.5 to ZH 2.5, rated voltage is 690 V.			

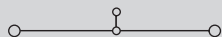
Type	Qty.	Order No.
SAK 4/EN	100	0467460000
SAK 4/EN BL	100	0467480000

Type	current	Qty.	Order No.
Q 2 SAK4	41 A	50	0336700000
Q 3 SAK4	41 A	50	0336800000
Q 4 SAK4	41 A	50	0336900000
Q 10 SAK4	41 A	20	0368800000
Width			
VL 2 SAK4	32 A	50	0197000000
VH 19/5/3.5 SAK4-16		50	0285100000
BFSC M3X25		100	0292500000
Width			
PS 2.3 RT	5.4 mm	20	0180400000
STB 14/D5/2.3/M3 SAK2.5		50	0168600000
Width			
AP SAK4-10	1.5 mm	20	0117960000
AP SAK4-10 BL	1.5 mm	20	0117980000
TW 4 SAK4-10	1.5 mm	20	0130160000
TW 4 SAK4-10 BL	1.5 mm	20	0130180000
Width			
TSCH 1	2 mm	100	0319160000
AD 4 SAK4		50	0285300000
BFSC M3X22 PA/RT		100	0128900000
Width			
DEK 5/6			

SAK 6/EN

6 mm²

8 x 40 x 47.5
57 / 10
0.33...10



IEC 60947-7-1 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	690
41	40	47	36
6	AWG 22...8	AWG 26...6	6

8 / 3

A5 / V2

KEMA 97ATEX1798 U

Rated connection

0.5...10 / 0.5...6
0.5...10 / 0.5...6
0.8...1.6 Nm (M 3.5)
12 / 4.0 x 0.8 mm

For AWG 8-7 and AWG 8-19, tightening torque is 1.21.4 Nm

Type	Qty.	Order No.
SAK 6/EN	100	0212860000
SAK 6/EN BL	100	0212880000

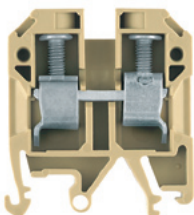
With AWG 6 and H07V-R10 conductors, an increased MD torque of 1.4 to 1.6 Nm should be used.

Type	current	Qty.	Order No.
Q 2 SAK6N	32 A	50	0456700000
Q 3 SAK6N	57 A	50	0456800000
Q 4 SAK6N	57 A	50	0456900000
Q 10 SAK6N	32 A	20	0457000000
VL 2 SAK6N/SAKT	32 A	50	0194700000
VH 19/5/3.5 SAK4-16		50	0285100000
BFSC M3X25		100	0292500000
Width			
PS 4 F.STB 4	7.6 mm	20	0299600000
STB 14/D6/4/M3 SAK10		50	0169900000
AP SAK4-10	1.5 mm	20	0117960000
AP SAK4-10 BL	1.5 mm	20	0117980000
TW 4 SAK4-10	1.5 mm	20	0130160000
TW 4 SAK4-10 BL	1.5 mm	20	0130180000
TSCH 1	2 mm	100	0319160000
AD 4 SAK6N		50	0196600000
BFSC M3X22 PA/RT		100	0128900000

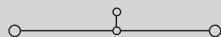
DEK 5/8

When used with twin ferrules ZH 0.5 - ZH 4, the rated voltage is 690 V.

SAK 10/EN

10 mm²

10 x 41.5 x 47.5
76 / 16
1.5...16



IEC 60947-7-1 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
800	600	600	550
57	60	65	50
10	AWG 14...6	AWG 16...6	10

8 / 3

B6 / V2

KEMA 97ATEX1798 U

Rated connection

1.5...16 / 1.5...16
1.5...16 / 1.5...10
2.0...4.0 Nm (M 4)
12 / 1.0 x 5.5 mm

When used with twin ferrules ZH 0.5 - ZH 4, the rated voltage is 690 V.

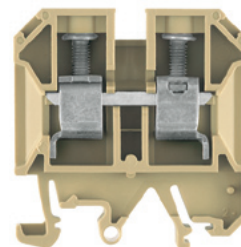
Type	Qty.	Order No.
SAK 10/EN	100	0337660000
SAK 10/EN BL	100	1784410000

A higher torque of 2 to 2.4 Nm is necessary when using H07V-R16 and AWG 6 conductors.

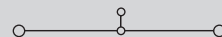
Type	current	Qty.	Order No.
Q 2 SAK10	57 A	50	0457100000
Q 3 SAK10	57 A	50	0457200000
Q 4 SAK10	57 A	50	0457300000
Q 10 SAK10	57 A	20	0457400000
VL 2 SAK6N/SAKT	32 A	50	0194700000
VH 19/5/3.5 SAK4-16		50	0285100000
BFSC M3X25		100	0292500000
Width			
PS 4 F.STB 4	7.6 mm	20	0299600000
STB 14/D6/4/M3 SAK10		50	0169900000
AP SAK4-10	1.5 mm	20	0117960000
AP SAK4-10 BL	1.5 mm	20	0117980000
TW 4 SAK4-10	1.5 mm	20	0130160000
TW 4 SAK4-10 BL	1.5 mm	20	0130180000
TSCH 1	2 mm	100	0319160000
AD 4 SAK10		50	0178600000
BFSC M3X22 PA/RT		100	0128900000

DEK 5/5

SAK 16/EN

16 mm²

12 x 50 x 53.5
76 / 16
2.5...16



IEC 60947-7-1 Ex e II II 2 G D

IEC	UL	CSA	EN 60079-7
1000	600	600	690
76	80	87	66
16	AWG 12...4	AWG 14...6	16

8 / 3

B6 / V2

KEMA 97ATEX1798 U

Rated connection

2.5...16 / 4...16
4...16 / 4...16
2.0...4.0 Nm (M 4)
15 / 1.0 x 5.5 mm

Twin wire end ferrules ZH 2.5 - ZH 16 can be used.

Type	Qty.	Order No.
SAK 16/EN	50	0339760000
SAK 16/EN BL	50	1784390000

If QIs are aligned side by side, then a TW/AP must be used.

Type	current	Qty.	Order No.
Q 2 SAK16	76 A	50	0457500000
Q 3 SAK16	76 A	50	0457600000
Q 4 SAK16	76 A	50	0457700000
Q 10 SAK16	76 A	20	0457800000
VL 2 SAK16/SAKA	57 A	50	0135800000
VH 19/5/3.5 SAK4-16		50	0285100000
BFSC M3X25		100	0292500000
Width			
PS 4 F.STB 4	7.6 mm	20	0299600000
STB 14/D6/4/M3 SAK10		50	0169900000
AP SAK16	1.5 mm	20	0271160000
AP SAK16 BL	1.5 mm	20	0271180000
TSCH 1	2 mm	100	0319160000
AD 4 SAK16		50	0518200000
BFSC M3X22 PA/RT		100	0128900000

DEK 5/5

Feed-through modular terminals

TS 35 + TS 32 / PA

In hazardous area applications, the installation instructions and the rated data specifications for accessories given in the technical appendix must be followed.

Width/Length/height with TS35x7.5	mm
max. current / max. cond. cross-section	A/mm ²
Max. clamping range	mm ²

Technical data

Rated data	
Rated voltage	V
Rated current	A
Rated cross-section	mm ²
Rated impulse voltage / Pollution severity	kV/-
Gauge to IEC 60947-1 / UL94 Flammability class	
Approvals	
Clamped conductors (H05V/H07V)	
solid / stranded	mm ²
flexible / Stranded wire with end ferrules	mm ²
Tightening torque range (clamping screw)	
Stripping length / Blade size	mm/-
2 conductors with same cross-section (H05V/H07V)	
solid / stranded	mm ²
flexible / Stranded wire with end ferrules	mm ²
Note	

Ordering data

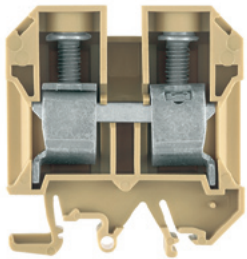
Version	
	beige
	Blue
Note	

Accessories

Screwable cross-connection	
	2-pole
	3-pole
	4-pole
	10-pole
	Connecting sleeve
	Mounting screw
	Lock washer
Switchable link	
	Switchable link
	Connecting sleeve
	Mounting screw
Testing / Checking	
	Test plug
	Socket
End plate / Partition plate	
	beige
	Blue
	beige
	Blue
Small partition	
	Small partition
Cover / warning label	
	Cover / warning label
	Mounting screw (plastic)
Marking systems	
	(see assortment in catalogue 7)
	Marking tags
For detailed information on other accessories and applications, refer to the „Accessories“ section	

SAK 35/EN

35 mm²



18 x 58 x 63.5
150 / 50
2.5...50

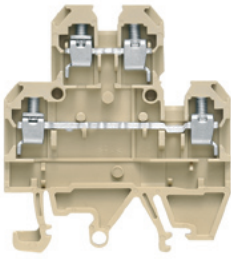
IEC 60947-7-1 Ex e ll Ex ll 2 G D			
IEC	UL	CSA	EN 60079-7
1000	600	600	690
125	115	145	109
35	AWG 12...2	AWG 12...2	35
8 / 3			
B8 / V2			
KEMA 97ATEX1798 U			
Rated connection			
2.5...16 / 4...50			
2.5...35 / 2.5...35			
4.0...5.0 Nm (M 6)			
18 / 6.5 x 1.2 mm			
2.5...16 16			
2.5...16 / 2.5...16			
The tightening torque is 4.5 Nm for 16 - 50 mm ² and AWG 6 - 2/7 stranded conductors. Twin wire end ferrules ZH 2.5 - ZH 16 can be used.			

Type	Qty.	Order No.
SAK 35/EN	20	0339860000
SAK 35/EN BL	20	1784400000
It is possible to use twin ferrules with identical rated voltages (LAB 13090).		

Type	current	Qty.	Order No.
QL 2 SAK35	99 A	20	0123600000
QL 3 SAK35	99 A	20	0123700000
QL 4 SAK35	99 A	20	0123800000
QL 10 SAK35	99 A	20	0338600000
VH 17/8/5 SAK35	50	50	0267000000
BFSC M4X30	50	50	0267100000
SS M4 D 128-A 4	100	0136400000	
Width			
PS 4 F.STB 4	7.6 mm	20	0299600000
STB 16/D7/4/M4 SAK35	50	0140200000	
Width			
AP SAK35/TW SAK16	1.5 mm	10	0303660000
AP SAK35/TW SAK16 BL	1.5 mm	10	0303680000
TW SAK35	1.5 mm	20	0304360000
Width			
AD 4 SAK35	50	0178700000	
BFSC M4X32 PA/RT	100	0129100000	
Width			
DEK 5/5 / SCHT 7			
If QIs are aligned side by side, then a TW/AP must be used.			

DK 4 Q/EN

4 mm²



6.5 x 54 x 47.5
41 / 6
0.13...6

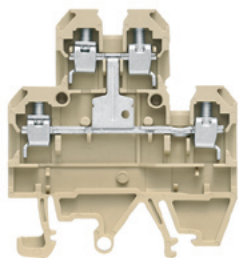
IEC 60947-7-1 Ex e ll Ex ll 2 G D			
IEC	UL	CSA	EN 60079-7
500	600	600	690
32	30	36	28
4	AWG 22...12	AWG 26...10	4
8 / 3			
A4 / V2			
KEMA 97ATEX1798 U			
Rated connection			
0.5...6 / 0.5...4			
0.5...4 / 0.5...2.5			
0.5...1.0 Nm (M 3)			
12 / 0.6 x 3.5 mm			
1.5...1.5			
0.5...1.5			
With twin ferrules ZH 0.5 to ZH 2.5, rated voltage is 690 V.			

Type	Qty.	Order No.
DK 4 Q/EN	100	1907040000
DK 4 Q/EN BL	100	1907030000

Type	current	Qty.	Order No.
Q 2 SAK4	41 A	50	0336700000
Q 3 SAK4	41 A	50	0336800000
Q 4 SAK4	41 A	50	0336900000
Q 10 SAK4	41 A	20	0368800000
Width			
VL 2 SAK4	32 A	50	0197000000
VH 19/5/3.5 SAK4-16	50	0285100000	
BFSC M3X25	100	0292500000	
Width			
PS 2.3 RT	5.4 mm	20	0180400000
STB 14/D5/2.3/M3 SAK2.5	50	0168600000	
Width			
AP SAK4-10	1.5 mm	20	0117960000
AP SAK4-10 BL	1.5 mm	20	0117980000
TW 4 SAK4-10	1.5 mm	20	0130160000
TW 4 SAK4-10 BL	1.5 mm	20	0130180000
Width			
TSCH 1	2 mm	100	0319160000
Width			
AD 4 SAK4	50	0285300000	
BFSC M3X22 PA/RT	100	0128900000	
Width			
DEK 5/6			

DK 4 QV/EN

4 mm²



6.5 x 54 x 47.5

41 / 6

0.13...6

IEC 60947-7-1

Ex e II



II 2 G D

IEC	UL	CSA	EN 60079-7
500	600	600	690
32	30	36	28
4	AWG 22...12	AWG 26...10	4
8 / 3			
A4 / V2			

KEMA 97ATEX1798 U

Rated connection

0.5...6 / 0.5...4

0.5...4 / 0.5...2.5

0.5...1.0 Nm (M 3)

12 / 0.6 x 3.5 mm

1.5...1.5

0.5...1.5

With twin ferrules ZH 0.5 to ZH 2.5, rated voltage is 690 V.

Type	Qty.	Order No.
DK 4 QV/EN	100	1907020000

Type	current	Qty.	Order No.
Q 2 SAK4	41 A	50	0336700000
Q 3 SAK4	41 A	50	0336800000
Q 4 SAK4	41 A	50	0336900000
Q 10 SAK4	41 A	20	0368800000
VL 2 SAK4		50	0197000000
VH 19/5/3.5 SAK4-16		50	0285100000
BFSC M3X25		100	0292500000
Width			
PS 2.3 RT	5.4 mm	20	0180400000
STB 14/D5/2.3/M3 SAK2.5		50	0168600000
AP SAK4-10	1.5 mm	20	0117960000
AP SAK4-10 BL	1.5 mm	20	0117980000
TW 4 SAK4-10	1.5 mm	20	0130160000
TW 4 SAK4-10 BL	1.5 mm	20	0130180000
TSCH 1	2 mm	100	0319160000
AD 4 SAK4		50	0285300000
BFSC M3X22 PA/RT		100	0128900000

DEK 5/6

C

TS 35 + TS 32 / PA

ASK 1

4 mm²

With or without LED

KDKS 1 m. LED

4 mm²

In hazardous area applications, the installation instructions and the rated data specifications for accessories given in the technical appendix must be followed.

Width/Length/height with TS35x7.5	mm
max. current / max. cond. cross-section	A/mm ²
Max. clamping range	mm ²

Technical data

Rated data	
Rated voltage	V
Rated current	A
Rated cross-section	mm ²
Rated impulse voltage / Pollution severity	kV/-
Gauge to IEC 60947-1 / UL94 Flammability class	
Approvals	
Clamped conductors (H05V/H07V)	
solid / stranded	mm ²
flexible / Stranded wire with end ferrules	mm ²
Tightening torque range (clamping screw)	
Stripping length / Blade size	mm/-
Note	

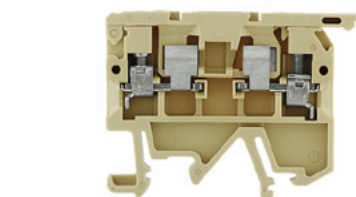
Ordering data

Version	
500 V AC/DC	
With LED 230 V AC	
With LED 230 V DC	
With LED 115 V AC	
With LED 115 V DC	
With LED 60 V DC	
With LED 48 V AC	
With LED 48 V DC	
With LED 24 V AC	
With LED +/- 24 V DC	
Note	

Accessories

Screwable cross-connection	
2-pole	
3-pole	
4-pole	
End plate / Partition plate	

Marking systems	(see assortment in catalogue 7)
	Marking tags
For detailed information on other accessories and applications, refer to the „Accessories“ section	



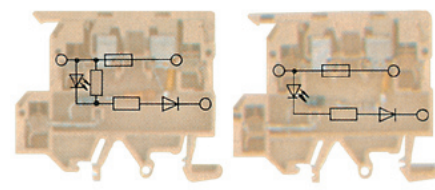
8.1 x 58 x 43
6.3 / 4
0.13...4

IEC	UL	CSA
500		
6.3		
4	AWG 22...12	AWG 26...12
	6 / 3	
	A3 / V2	
Rated connection		
0.5...4		
0.5...4 / 0.5...4		
0.6...0.8 Nm (M 3)		
9 / 0.6 x 3.5 mm		
Note: max. conductor size = 2.5 mm ² when using the cross-connection. Twin wire-end ferrules ZH 0.5 - ZH 2.5 can be used.		

Type	Qty.	Order No.
ASK 1/EN	100	0474560000
ASK 1/EN LD 1D 230VAC	25	0225760000
ASK 1/EN LD 120K 230VDC	25	0225660000
ASK 1/EN LD 1D 115VAC	25	0225560000
ASK 1/EN LD 56K 115VDC	25	0225460000
ASK 1/EN LD 33K 60VDC	25	0226460000
ASK 1/EN LD 1D 48VAC	25	0225360000
ASK 1/EN LD 27K 48VDC	25	0225260000
ASK 1/EN LD 1D 24VAC	25	0222860000
ASK 1/EN LD 15K 24VDC	25	0222760000

Type	current	Qty.	Order No.
QB 2 WI RA8 IS	27 A	50	0461100000
QB 3 WI RA8 IS	27 A	50	0461200000
QB 4 WI RA8 IS	27 A	50	0461300000
Width			
AP ASK1	1.5 mm	20	0380360000

DEK 5/8 / SHT 7



8 x 62.75 x 55.5
6.3 / 4
0.5...4

IEC	UL	CSA
500		
6.3		
4		
	/ 3	
	A3 / V2	
Rated connection		
0.5...4		
0.5...4 / 0.5...4		
0.5...0.8 Nm (M 3)		
9 / 0.6 x 3.5 mm		
Note: max. conductor size = 2.5 mm ² when using the cross-connection.		

Type	Qty.	Order No.
KDKS1/EN LD 230VAC	25	8148910000
KDKS1/EN LD 115VAC	25	8142840000
KDKS1/EN LD 48 VAC	25	8148920000
KDKS1/EN LD 24 VAC	25	8148930000
KDKS1/EN LD 24VDC	25	8146450000

Type	current	Qty.	Order No.
QB 2 WI RA8 IS	27 A	50	0461100000
QB 3 WI RA8 IS	27 A	50	0461200000
QB 4 WI RA8 IS	27 A	50	0461300000
Width			
AP KDKS1 EN		20	9503340000

DEK 5/8

Earth conductor isolating terminals

In hazardous area applications, the installation instructions and the rated data specifications for accessories given in the technical appendix must be followed.

Width/Length/height with TS35x7.5	mm
max. current / max. cond. cross-section	A/mm²
Max. clamping range	mm²

Technical data

Rated data	
Rated voltage	V
Rated current	A
Rated cross-section	mm²
Rated impulse voltage / Pollution severity	kV/-
Gauge to IEC 60947-1 / UL94 Flammability class	
Approvals	
Clamped conductors (H05V/H07V)	
solid / stranded	mm²
flexible / Stranded wire with end ferrules	mm²
Tightening torque range (clamping screw)	
Stripping length / Blade size	mm/-
Note	

Ordering data

Version	
	24 V~
	230 V~
Note	

Accessories

End bracket	
	Dark beige Wemid
	Dark beige Wemid

(see assortment in catalogue 7)

For detailed information on other accessories and applications, refer to the „Accessories“ section

SAKA 10/EN

10 mm²

Neon lamp



24 x 82 x 61.5
47 / 10
0.5...10

IEC	UL	CSA
24		
47		
10		
/ 5VA		
Rated connection		
0.5...10		
0.5...10 / 0.5...10		
1.2...2.2 Nm		
12 /		
Tightening torque 1.6 Nm for 10 mm² stranded wire.		

Type	Qty.	Order No.
SAKA 10/EN 2GL 24VUC	5	8150150000
SAKA 10/EN 2GL 230VAC	5	8109130000

Type	Width	Qty.	Order No.
EWK 1	9 mm	50	0206160000
EW 35	8.5 mm	50	0383560000

Width with AP = 27 mm

Operating mode

SAKA 10

- Slide link is closed
- Auxiliary circuit is **earthed**
- Display is illuminated green

Test position

When measuring insulation resistance with voltages greater than UNom, the earth connection must first be disconnected.

SAKA 10

- Slide link is opened
- Auxiliary circuit is **not earthed**
- No** earth fault
- Display illuminated green and red with reduced intensity
- Disconnected earth connection -> When measuring insulation resistance with voltages greater than UNom, the earth connection must be disconnected.

Operational malfunction

SAKA 10

- Slide link is opened
- Auxiliary circuit is **not earthed**
- Earth fault**
- Display is illuminated red