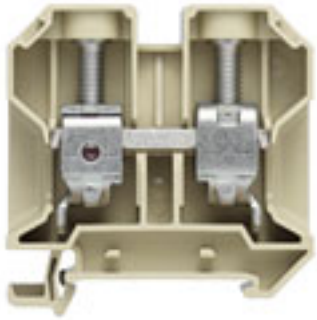
SAK Series
SAK 35/35

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Product image



Klippon® Connect with clamping yoke Technology
The high reliability and variety of designs of the terminal blocks with clamping yoke connections make planning easer and optimises operational safety. Klippon® Connect provides a proven response to a range of different requirements.

General ordering data

Type	SAK 35/35
Order No.	0380760000
Version	SAK Series, Feed-through terminal, Rated cross-section: 35 mm², Screw connection, beige
GTIN (EAN)	4008190063962
Qty.	20 pc(s).

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Technical data

Dimensions and weights

Width	18 mm	Width (inches)	0.709 inch
Height	58 mm	Height (inches)	2.283 inch
Depth	60 mm	Depth (inches)	2.362 inch
Weight	69.35 g	Net weight	52.15 g

Temperatures

Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Storage temperature, max.	55 °C
Storage temperature, min.	-25 °C	Storage temperature	-25 °C...55 °C
Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	100 °C

Material data

Material	PA 66	Colour	beige / yellow
UL 94 flammability rating	V-2		

Rating data IECEx/ATEX

Certificate No. (ATEX)	KEMA97ATEX1798U	Certificate No. (IECEX)	IECEXKEM06.0014U
Max. voltage (ATEX)	550 V	Current (ATEX)	109 A
Wire cross section max. (ATEX)	35 mm²	Max. voltage (IECEX)	550 V
Current (IECEX)	109 A	Wire cross section max. (IECEX)	35 mm²
Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Marking EN 60079-7	Ex eb II C Gb
Ex 2014/34/EU label	II 2 G D		

System specifications

Version	Screw connection, for screwable cross-connection, One end without connector	End cover plate required	Yes
Number of potentials	1	Number of levels	1
Number of clamping points per level	2	Number of potentials per tier	1
Levels cross-connected internally	No	PE connection	No
Rail	TS 35	N-function	No
PE function	No	PEN function	No

Additional technical data

Explosion-tested version	Yes	Number of similar terminals	1
Open sides	right	Type of mounting	Clamped

CSA rating data

Certificate No. (CSA)	154685-1501714	Current size C (CSA)	145 A
Voltage size C (CSA)	600 V	Wire cross section max. (CSA)	2 AWG
Wire cross section min. (CSA)	12 AWG		

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Technical data

Conductors for clamping (additional connection)

Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	35 mm²

Conductors for clamping (rated connection)

Blade size	6.5 x 1.2 mm	Clamping range, max.	50 mm²
Clamping range, min.	2.5 mm²	Clamping screw	M 6
Connection cross-section, stranded, max.	50 mm²	Connection cross-section, stranded, min.	4 mm²
Connection direction	on side	Gauge to IEC 60947-1	B8
Number of connections	2	Stripping length	18 mm
Tightening torque, max.	5 Nm	Tightening torque, min.	2.5 Nm
Twin wire-end ferrules, max.	16 mm²	Twin wire-end ferrules, min.	1.5 mm²
Type of connection	Screw connection	Wire connection cross section AWG, max.	AWG 2
Wire connection cross section AWG, min.	AWG 12	Wire connection cross section, finely stranded, max.	35 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	35 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	2.5 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	35 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	2.5 mm²
Wire connection cross-section, finely stranded, min.	2.5 mm²	Wire connection cross-section, solid core, max.	16 mm²
Wire connection cross-section, solid core, min.	2.5 mm²		

Rating data

Rated cross-section	35 mm²	Rated voltage	800 V
Rated current	125 A	Current at maximum wires	150 A
Standards	IEC 60947-7-1	Volume resistance according to IEC 60947-7-x	0.26 mΩ
Power loss in accordance with IEC 60947-7-x	4 W	Rated impulse withstand voltage	8 kV
Pollution severity	3		

UL rating data

Certificate No. (UR)	E60693	Conductor size Factory wiring max. (UR)	2 AWG
Conductor size Factory wiring min. (UR)	6 AWG	Conductor size Field wiring max. (UR)	2 AWG
Conductor size Field wiring min. (UR)	6 AWG	Current size C (UR)	105 A
Voltage size C (UR)	600 V		

Classifications

ETIM 6.0	EC000897	ETIM 7.0	EC000897
eClass 9.0	27-14-11-20	eClass 9.1	27-14-11-20
eClass 10.0	27-14-11-20	UNSPSC	30-21-18-11

Weidmüller

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Technical data

Approvals

Approvals	
ROHS	Conform

Downloads

Approval/Certificate/Document of Conformity	Attestation Of Conformity ATEX Certificate IECEx Certificate CB Certificate CB Test Certificate EAC certificate DNVGL certificate Lloyds Register Certificate MARITREG Certificate Declaration of Conformity Declaration of Conformity
Engineering Data	EPLAN, WSCAD
Engineering Data	STEP
User Documentation	Cross Connection Guide StorageConditionsTerminalBlocks

Safety note

Safety notice	Safety Information

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Accessories

Plus

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Strips for fast installation in only one work step. The printing is easy to read, rich in contrast and available in various widths.

- Large range of ready-to-use markers
- Strips for fast installation
- Terminal markers, suitable for all Weidmüller cable connectors
- Available as blank MultiCard or with standard printing

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

General ordering data

Type	DEK 5/8 PLUS MC NE WS	Version
Order No.	1046350000	Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00
GTIN (EAN)	4032248782055	Weidmueller, white
Qty.	800 pc(s).	

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Accessories

DEK 5/6

WS/ DEK
MultiMark DEK/WS connector markers use an innovative composite material made from two components. The hard base contour of the marker snaps securely into the connector. The elastic surface finish makes the marker easy to mount. This specially punched material enables the strips to be stretched to accommodate the slight variations in spacing that tend to add up, especially with long terminal blocks. Another advantage: the excellent printability of the surface material guarantees durable and wear-resistant labelling. A print resolution of 300 dpi also produces a very legible script.
Your benefits with MultiMark

- Firm hold and durable printing
- Continuous strips save installation time
- Easy mounting thanks to an innovative composite material
- Large label field for optimal legibility
- High flexibility thanks to manufacturer independence

General ordering data

Type	DEK 5/6 MM WS	Version
Order No.	2007120000	Dekafix, Terminal marker, 5 x 6 mm, Weidmueller, white
GTIN (EAN)	4050118392104	
Qty.	600 pc(s).	

Weidmüller

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Accessories

Blank

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General ordering data

Type	DEK 5/5 MC NE WS	Version
Order No.	1609801044	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4008190397111	Weidmueller, white
Qty.	1,000 pc(s).	

Connection sleeves

VH 12/4.9/3.3 024900

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General ordering data

Type	VH 24.5/8/5 SAK35	Version
Order No.	0298700000	SAK Series, Connecting sleeve, for cross-connection link, Number of
GTIN (EAN)	4008190070809	poles: 1
Qty.	50 pc(s).	

Type	VH 17/8/5 SAK35	Version
Order No.	0267000000	SAK Series, Connecting sleeve, for cross-connection link, Number of
GTIN (EAN)	4008190146986	poles:
Qty.	50 pc(s).	

Weidmüller

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Accessories

Custom printing

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General ordering data

Type	DEK 5/6 MC SDR	Version
Order No.	1609830000	Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00
GTIN (EAN)	4008190456603	Weidmueller, To customer specification
Qty.	200 pc(s).	

Custom printing

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General ordering data

Type	DEK 5/5 MC SDR	Version
Order No.	1609810000	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4008190456597	Weidmueller, To customer specification
Qty.	200 pc(s).	

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Accessories

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General ordering data

Type	DEK 5/8 MC SDR	Version
Order No.	1856750000	Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00
GTIN (EAN)	4032248400867	Weidmueller, To customer specification
Qty.	160 pc(s).	

Type	DEK 5/8 PLUS MC SDR	Version
Order No.	1046370000	Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00
GTIN (EAN)	4032248782079	Weidmueller, To customer specification
Qty.	160 pc(s).	

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Accessories

DEK 5/8

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General ordering data

Type	DEK 5/8 MM WS	Version
Order No.	2007130000	Dekafix, Terminal marker, 5 x 8 mm, Weidmueller, white
GTIN (EAN)	4050118392012	
Qty.	500 pc(s).	

Screwing

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General ordering data

Type	BFSC M4X35	Version
Order No.	0298900000	Accessories, Mounting screw, for cross-connection link
GTIN (EAN)	4008190090487	
Qty.	50 pc(s).	
Type	BFSC M4X30	Version
Order No.	0267100000	Accessories, Mounting screw, for cross-connection link
GTIN (EAN)	4008190187897	
Qty.	50 pc(s).	

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Accessories

Blank

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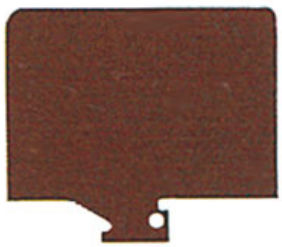
General ordering data

Type	DEK 5/6 MC NE WS	Version
Order No.	1609820000	Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00
GTIN (EAN)	4008190203436	Weidmueller, white
Qty.	1,000 pc(s).	

Partition plates



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General ordering data

Type	TW SAK35	Version
Order No.	0304360000	SAK Series, Seperation plate, 1.5 mm, beige, Direct mounting
GTIN (EAN)	4008190038885	
Qty.	20 pc(s).	

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Accessories

Test plug

Current and voltage transformer wiring
Our test disconnect terminal blocks featuring spring and screw connection technology allow you to create all the important converter circuits for measuring current, voltage and power in a safe and sophisticated way.

General ordering data

Type	PS 4 F.STB 4	Version
Order No.	0299600000	Accessories, Test plug
GTIN (EAN)	4008190074043	
Qty.	20 pc(s).	

QL / SAK 35

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General ordering data

Type	QL 4 SAK35	Version
Order No.	0123800000	SAK Series, Cross-connector, for cross-connection link, Number of
GTIN (EAN)	4008190165390	poles: 4
Qty.	20 pc(s).	
Type	QL 10 SAK35	Version
Order No.	0338600000	SAK Series, Cross-connector, for cross-connection link, Number of
GTIN (EAN)	4008190106133	poles: 10
Qty.	20 pc(s).	
Type	QL 3 SAK35	Version
Order No.	0123700000	SAK Series, Cross-connector, for cross-connection link, Number of
GTIN (EAN)	4008190182526	poles: 3
Qty.	20 pc(s).	
Type	QL 2 SAK35	Version
Order No.	0123600000	SAK Series, Cross-connector, for cross-connection link, Number of
GTIN (EAN)	4008190092566	poles: 2
Qty.	20 pc(s).	

SAK Series
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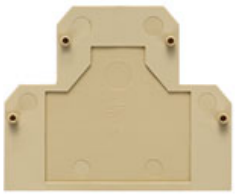
Accessories

End plates



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General ordering data

Type	AP SAK35/TW SAK16	Version
Order No.	0303660000	SAK Series, End plate, 1.5 mm, beige
GTIN (EAN)	4008190110765	
Qty.	10 pc(s).	

Type	AP SAK35/TW SAK16 BL	Version
Order No.	0303680000	SAK Series, End plate, 1.5 mm, blue
GTIN (EAN)	4008190025199	
Qty.	10 pc(s).	

Non-insulated sockets

Klippon® Connect with clamping yoke Technology
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General ordering data

Type	STB 16/D7/4/M4 SAK35	Version
Order No.	0140200000	SAK Series, Socket
GTIN (EAN)	4008190134884	
Qty.	50 pc(s).	

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Accessories

Blank

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General ordering data

Type	DEK 5/8 MC NE WS	Version
Order No.	1856740000	Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00
GTIN (EAN)	4032248400850	Weidmueller, white
Qty.	800 pc(s).	

Covers

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General ordering data

Type	AD 4 SAK35	Version
Order No.	0178700000	SAK Series, cover plate, yellow, 71.6 mm
GTIN (EAN)	4008190056414	
Qty.	50 pc(s).	

Type	AD 3 SAK35	Version
Order No.	0273400000	SAK Series, cover plate, yellow, 48 mm
GTIN (EAN)	4008190106027	
Qty.	50 pc(s).	