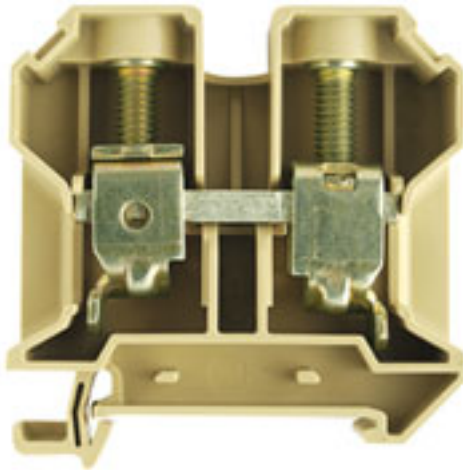


**SAK Series
SAK 35N/35/IK**

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 easier and optimises operational safety. Klippon® Connect provides a proven response to a range of different requirements.

General ordering data

Type	SAK 35N/35/IK
Order No.	0608360000
Version	SAK Series, Feed-through terminal, Rated cross-section: 35 mm², Screw connection, beige
GTIN (EAN)	4008190090197
Qty.	20 pc(s).

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Technical data
Dimensions and weights

Width	16 mm	Width (inches)	0.63 inch
Height	58 mm	Height (inches)	2.283 inch
Depth	60 mm	Depth (inches)	2.362 inch
Weight	61.65 g	Net weight	53.6 g

Temperatures

Storage temperature, max.	40 °C	Storage temperature, min.	10 °C
Storage temperature	10 °C...40 °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		

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	No	Number of similar terminals	1
Open sides	right	Type of mounting	Clamped

CSA rating data

Certificate No. (CSA)	12400-201	Current size C (CSA)	120 A
Voltage size C (CSA)	600 V	Wire cross section max. (CSA)	2 AWG
Wire cross section min. (CSA)	12 AWG		

Conductors for clamping (additional connection)

Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	35 mm ²
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Technical data**Conductors for clamping (rated connection)**

Blade size	S4 (DIN 6911)	Clamping range, max.	50 mm ²
Clamping range, min.	2.5 mm ²	Clamping screw	M 6
Connection cross-section, stranded, max.	50 mm ²	Connection cross-section, stranded, min.	4 mm ²
Connection direction	on side	Gauge to IEC 60947-1	B8
Number of connections	2	Stripping length	18 mm
Tightening torque, max.	6 Nm	Tightening torque, min.	4 Nm
Twin wire-end ferrules, max.	16 mm ²	Twin wire-end ferrules, min.	1.5 mm ²
Type of connection	Screw connection	Wire connection cross section AWG, min.	AWG 12
Wire connection cross section, finely stranded, max.	35 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	35 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	1.5 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	35 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	2.5 mm ²	Wire connection cross-section, finely stranded, min.	2.5 mm ²
Wire connection cross-section, solid core, max.	16 mm ²	Wire connection cross-section, solid core, min.	2.5 mm ²

Rating data

Rated cross-section	35 mm ²	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)	12 AWG	Conductor size Field wiring max. (UR)	2 AWG
Conductor size Field wiring min. (UR)	12 AWG	Current size C (UR)	100 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

Approvals

Approvals



ROHS

Conform

SAK Series SAK 35N/35/IK

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Technical data

Downloads

Approval/Certificate/Document of Conformity	DE_PT1301_20160418_395_ISSUE01.pdf
Engineering Data	EPLAN, WSCAD
Engineering Data	STEP
User Documentation	StorageConditionsTerminalBlocks

Safety note

Safety notice	Safety Information
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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).	

Blank



The Dekafix (DEK) marker is the universal marker for all conductor and plug-in connectors as well as for electronic sub-assemblies. The system is ideal for short number sequences and covers a wide range of ready-printed markers.

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

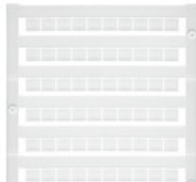
Type	DEK 5/5 MC NE WS	Version
Order No.	1609801044	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4008190397111	Weidmueller, white
Qty.	1,000 pc(s).	

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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).	

Plus



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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

Custom printing



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General ordering data

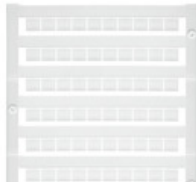
Type	DEK 5/8 MC SDR	Version
Order No.	1856750000	Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00
GTIN (EAN)	4032248400867	Weidmueller, To customer specification
Qty.	160 pc(s).	
Type	DEK 5/8 PLUS MC SDR	Version
Order No.	1046370000	Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00
GTIN (EAN)	4032248782079	Weidmueller, To customer specification
Qty.	160 pc(s).	

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Accessories

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).	

Non-insulated sockets



Klippon® Connect with clamping yoke Technology

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

General ordering data

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

SAK Series SAK 35N/35/IK

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Accessories

End plates



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General ordering data

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

Covers



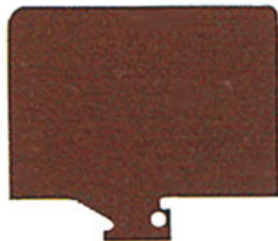
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General ordering data

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).	

Partition plates



Klippon® Connect with clamping yoke Technology

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General ordering data

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

SAK Series SAK 35N/35/IK

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Accessories

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).	

DEK 5/8



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

SAK Series SAK 35N/35/IK

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Accessories

Connection sleeves



VH 12/4.9/3.3 024900

General ordering data

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).	
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).	

Klippon® Connect with clamping yoke Technology

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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).	

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Accessories

QL / SAK 35



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General ordering data

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).	
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 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 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).	