

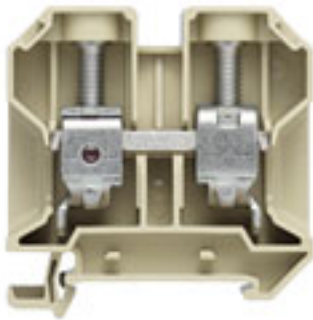
**SAK 35/35****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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**

Version	SAK Series, Feed-through terminal, Rated cross-section: 35 mm <sup>2</sup> , Screw connection, beige
Order No.	<a href="#">0380760000</a>
Type	SAK 35/35
GTIN (EAN)	4008 190063962
Qty.	20 pc(s).

Creation date January 15, 2022 1:19:11 AM CET

Catalogue status 17.12.2021 / We reserve the right to make technical changes.

## SAK 35/35

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## Technical data

## Dimensions and weights

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

## Temperatures

Storage temperature		Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity
	-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 mm <sup>2</sup>	Max. voltage (IECEX)	550 V
Current (IECEX)	109 A	Wire cross section max. (IECEX)	35 mm <sup>2</sup>
Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Marking EN 60079-7	
Ex 2014/34/EU label	II 2 G D		Ex eb II C Gb

## 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 mm<sup>2</sup>

## Conductors for clamping (rated connection)

Blade size	6.5 x 1.2 mm	Clamping range, max.	50 mm <sup>2</sup>
Clamping range, min.	2.5 mm <sup>2</sup>	Clamping screw	M 6
Connection cross-section, stranded, max.	50 mm <sup>2</sup>	Connection cross-section, stranded, min.	4 mm <sup>2</sup>
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 mm <sup>2</sup>	Twin wire-end ferrules, min.	1.5 mm <sup>2</sup>
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 mm <sup>2</sup>
Wire connection cross section, finely stranded, min.	2.5 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	35 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	2.5 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	35 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	2.5 mm <sup>2</sup>	Wire connection cross-section, solid core, max.	16 mm <sup>2</sup>
Wire connection cross-section, solid core, min.	2.5 mm <sup>2</sup>		

## General

Rail	TS 35	Standards	IEC 60947-7-1
Wire connection cross section AWG, max.	AWG 2	Wire connection cross section AWG, min.	AWG 12

## Rating data

Rated cross-section	35 mm <sup>2</sup>	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
Rated impulse withstand voltage	8 kV	Power loss in accordance with IEC 60947-7-x	4 W
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		

## SAK 35/35

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## Technical data

## Classifications

ETIM 6.0	EC000897	ETIM 7.0	EC000897
ETIM 8.0	EC000897	ECLASS 9.0	27-14-11-20
ECLASS 9.1	27-14-11-20	ECLASS 10.0	27-14-11-20
ECLASS 11.0	27-14-11-20		

## Approvals

Approvals



ROHS	Conform
UL File Number Search	E60693

## Downloads

Approval/Certificate/Document of Conformity	<a href="#">Attestation of Conformity</a> <a href="#">CFAT SAK 35/35</a> <a href="#">CB Certificate</a> <a href="#">CB Test Certificate</a> <a href="#">EAC certificate</a> <a href="#">DNVGL certificate</a> <a href="#">Lloyds Register Certificate</a> <a href="#">MARITREG Certificate</a> <a href="#">EAC EX Certificate</a> <a href="#">IECEx Certificate</a> <a href="#">ATEX Certificate</a> <a href="#">Declaration of Conformity</a> <a href="#">CE Declaration of Conformity all terminals</a>
Engineering Data	<a href="#">CAD data – STEP</a>
Engineering Data	<a href="#">EPLAN, WSCAD</a>
Product Change Notification	<a href="#">20210308 Technical Change SAK PA 35</a>
User Documentation	<a href="#">StorageConditionsTerminalBlocks</a> <a href="#">NTI SAK35/35</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

**SAK 35/35**

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**Accessories**

**SAK-Series**



A partition plate is used for the optical separation of circuits or used for electrical isolation from neighbouring cross-connectors. In contrast to the end plate, the contour can be larger than the adjacent terminal blocks. However, it should not be smaller, as otherwise the required clearance and creepage distances within the application can no longer be maintained.

**General ordering data**

Type	TW SAK35	Version
Order No.	<a href="#">0304360000</a>	SAK Series, Partition plate, 1.5 mm, beige, Direct mounting
GTIN (EAN)	4008190038885	
Qty.	20 pc(s).	

**SAK-Series**



End plates are fitted to the open side of the last modular terminal before the end bracket. The use of an end plate ensures the function of the modular terminal and the specified rated voltage. It guarantees protection against contact with live parts and makes the final terminal finger-proof.

**General ordering data**

Type	AP SAK35/TW SAK16 BL	Version
Order No.	<a href="#">0303680000</a>	SAK Series, End plate, 1.5 mm, blue
GTIN (EAN)	4008190025199	
Qty.	10 pc(s).	
Type	AP SAK35/TW SAK16	Version
Order No.	<a href="#">0303660000</a>	SAK Series, End plate, 1.5 mm, beige
GTIN (EAN)	4008190110765	
Qty.	10 pc(s).	

## SAK 35/35

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## Accessories

## Custom printing



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

## Test plugs



Test adapters and test plugs are used for the electrical connection between terminal blocks and the test equipment. In this way, an electrical contact can be established in the wired state and measurements can be done easily.

## General ordering data

Type	PS 4 F.STB 4	Version
Order No.	<a href="#">0299600000</a>	Accessories, Test plug
GTIN (EAN)	4008190074043	
Qty.	20 pc(s).	

**SAK 35/35**

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**Accessories**

**Blank**



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**General ordering data**

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

**SAK 35/35**

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**Accessories**

**DEK 5/6**



**WS/ DEK**

MultiMark terminal 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.	<a href="#">2007120000</a>	Dekafix, Terminal marker, 5 x 6 mm, Weidmueller, white
GTIN (EAN)	4050118392104	
Qty.	600 pc(s).	

**Screws**



Depending on the terminal block or also accessories, we offer different types of screws as additional items or also spare parts.

**General ordering data**

Type	BFSC M4X35	Version
Order No.	<a href="#">0298900000</a>	Accessories, Mounting screw, for cross-connection link
GTIN (EAN)	4008190090487	
Qty.	50 pc(s).	

Type	BFSC M4X30	Version
Order No.	<a href="#">0267100000</a>	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.	<a href="#">1609820000</a>		Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00
GTIN (EAN)	4008190203436		Weidmueller, white
Qty.	1,000 pc(s).		

**Blank**



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**General ordering data**

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

**SAK 35/35**

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**Accessories**

**SAK-Series**



Warning covers with a flash symbol provide more safety for man and machine. They are used where external voltage must be indicated within the application.

**General ordering data**

Type	AD 3 SAK35	Version
Order No.	<a href="#">0273400000</a>	SAK Series, cover plate, yellow, 48 mm
GTIN (EAN)	4008190106027	
Qty.	50 pc(s).	
Type	AD 4 SAK35	Version
Order No.	<a href="#">0178700000</a>	SAK Series, cover plate, yellow, 71.6 mm
GTIN (EAN)	4008190056414	
Qty.	50 pc(s).	

**Connection sleeves**



**General ordering data**

Type	VH 24.5/8/5 SAK35	Version
Order No.	<a href="#">0298700000</a>	SAK Series, Connecting sleeve, for cross-connection link, Number of poles: 1
GTIN (EAN)	4008190070809	
Qty.	50 pc(s).	
Type	VH 17/8/5 SAK35	Version
Order No.	<a href="#">0267000000</a>	SAK Series, Connecting sleeve, for cross-connection link, Number of poles:
GTIN (EAN)	4008190146986	
Qty.	50 pc(s).	

## SAK 35/35

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# Accessories

## Testsockets



Test adapters and test plugs are used for the electrical connection between terminal blocks and the test equipment. In this way, an electrical contact can be established in the wired state and measurements can be done easily.

### General ordering data

Type	STB 16/D7/4/M4 SAK35	Version
Order No.	<a href="#">0140200000</a>	SAK Series, Socket
GTIN (EAN)	4008190134884	
Qty.	50 pc(s).	

## QL / SAK 35



Screwable cross-connections are easy to mount and de mount. Thanks to the big contact surface, even high currents can be transmitted with maximum contact reliability.

### General ordering data

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

**SAK 35/35**

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**Accessories**

**DEK 5/8**



**WS/ DEK**

MultiMark terminal 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.

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**General ordering data**

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

## SAK 35/35

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## Accessories

## Custom printing



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.

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- Strips for fast installation
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- Available as blank MultiCard or with standard printing

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## General ordering data

Type	DEK 5/6 MC SDR	Version	
Order No.	<a href="#">1609830000</a>		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.	<a href="#">1609810000</a>		Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4008190456597		Weidmueller, To customer specification
Qty.	200 pc(s).		

**SAK 35/35**

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**Accessories**

**Plus**



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**General ordering data**

Type	DEK 5/8 PLUS MC NE WS	Version	
Order No.	<a href="#">1046350000</a>		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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