SAK Series
SAK 35

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
Order No.	0303560000
Version	SAK Series, Feed-through terminal, Rated cross-section: 35 mm², Screw connection, beige
GTIN (EAN)	4008190169053
Qty.	20 pc(s).

Creation date April 30, 2020 10:24:27 PM CEST

Data sheet

SAK Series
SAK 35

Technical data

Dimensions and weights

Width	18 mm	Width (inches)	0.709 inch
Height	58 mm	Height (inches)	2.283 inch
Depth	67.5 mm	Depth (inches)	2.657 inch
Weight	72.6 g	Net weight	52.644 g

Temperatures

Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	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		

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 32	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		

Creation date April 30, 2020 10:24:27 PM CEST

SAK Series
SAK 35

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

Creation date April 30, 2020 10:24:27 PM CEST

SAK Series
SAK 35

Technical data

Approvals

Approvals

ROHS	Conform

Downloads

Approval/Certificate/Document of Conformity	Attestation Of Conformity ATEX Certificate IECEx Certificate CB Certificate CB Test Certificate DE_PT1331_20160418_388_ISSUE01.pdf
Engineering Data	EPLAN, WSCAD
Engineering Data	STEP
User Documentation	Cross Connection Guide StorageConditionsTerminalBlocks

Safety note

Safety notice	Safety Information

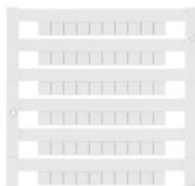Creation date April 30, 2020 10:24:27 PM CEST

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.
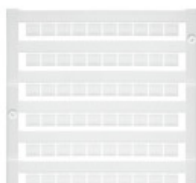
General ordering data

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).		

Creation date April 30, 2020 10:24:27 PM CEST

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5

Weidmüller ϶Ξ

SAK Series
SAK 35

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).		

Creation date April 30, 2020 10:24:27 PM CEST

Weidmüller

SAK Series
SAK 35

Accessories

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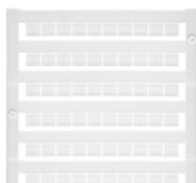
General ordering data

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).		

Creation date April 30, 2020 10:24:27 PM CEST

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7

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).		

End plates

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.
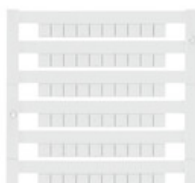
General ordering data

Type	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).		

Creation date April 30, 2020 10:24:27 PM CEST

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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).		

Covers

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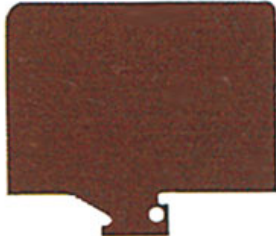
General ordering data

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).		

Creation date April 30, 2020 10:24:27 PM CEST

Catalogue status 17.04.2020 / We reserve the right to make technical changes.

9

SAK Series
SAK 35

Accessories

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).		

Screwing

Klippon® Connect with clamping yoke Technology
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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).		

Creation date April 30, 2020 10:24:27 PM CEST

Accessories

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).	

Connection sleeves

Klippon® Connect with clamping yoke Technology
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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).	

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SAK Series
SAK 35

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).	

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).	

Creation date April 30, 2020 10:24:27 PM CEST

SAK Series
SAK 35

Accessories

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).	

Locking tabs

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General ordering data

Type	VL 2 RSF 1+2	Version
Order No.	0528400000	SAK Series, Cross-connection lug, for cross-connection link, Number
GTIN (EAN)	4008190059095	of poles: 2
Qty.	10 pc(s).	

Creation date April 30, 2020 10:24:27 PM CEST