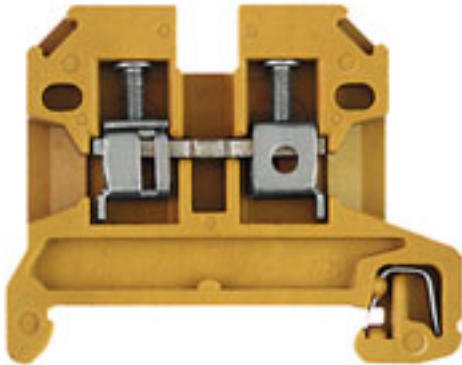


SAK Series
SAK 2.5/35 KRG

Weidmüller Interface GmbH & Co. KG
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 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

Delivery status	This article will no longer be available in the future.
Available until	2020-12-31
Type	SAK 2.5/35 KRG
Order No.	0380420000
Version	SAK Series, Feed-through terminal, Rated cross-section: 2.5 mm ² , Screw connection, medium yellow
GTIN (EAN)	4008 1900 14360
Qty.	100 pc(s).
Alternative product	1020000000

Creation date April 30, 2020 11:15:55 PM CEST

SAK Series
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Technical data**Dimensions and weights**

Width	6.1 mm	Width (inches)	0.24 inch
Height	49.5 mm	Height (inches)	1.949 inch
Depth	40 mm	Depth (inches)	1.575 inch
Net weight	10.4 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.	-60 °C	Continuous operating temp., max.	130 °C

Material data

Material	KrG	Colour	medium yellow
UL 94 flammability rating	V-0, 5VA		

Rating data IECEx/ATEX

Certificate No. (ATEX)	KEMA97ATEX1798U	Certificate No. (IECEX)	IECEXKEM06.0014U
Max. voltage (ATEX)	550 V	Current (ATEX)	21 A
Wire cross section max. (ATEX)	2 mm ²	Max. voltage (IECEX)	550 V
Current (IECEX)	21 A	Wire cross section max. (IECEX)	2.5 mm ²
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	Snap-on

CSA rating data

Certificate No. (CSA)	12400-129	Current size C (CSA)	25 A
Voltage size C (CSA)	600 V	Wire cross section max. (CSA)	10 AWG
Wire cross section min. (CSA)	26 AWG		

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Technical data**Conductors for clamping (rated connection)**

Blade size	0.6 x 3.5 mm	Clamping range, max.	6 mm ²
Clamping range, min.	0.13 mm ²	Clamping screw	M 2.5
Connection cross-section, stranded, max.	4 mm ²	Connection cross-section, stranded, min.	0.5 mm ²
Connection direction	on side	Gauge to IEC 60947-1	A3
Number of connections	2	Stripping length	10 mm
Tightening torque, max.	0.6 Nm	Tightening torque, min.	0.4 Nm
Torque level with DMS electric screwdriver	1	Twin wire-end ferrules, max.	1.5 mm ²
Twin wire-end ferrules, min.	0.5 mm ²	Type of connection	Screw connection
Wire connection cross section AWG, max.	AWG 10	Wire connection cross section AWG, min.	AWG 26
Wire connection cross section, finely stranded, max.	4 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	2.5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	2.5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm ²	Wire connection cross-section, finely stranded, min.	0.5 mm ²
Wire connection cross-section, solid core, max.	6 mm ²	Wire connection cross-section, solid core, min.	0.5 mm ²

Rating data

Rated cross-section	2.5 mm ²	Rated voltage	800 V
Rated current	24 A	Current at maximum wires	32 A
Standards	IEC 60947-7-1	Volume resistance according to IEC 60947-7-x	1.33 mΩ
Power loss in accordance with IEC 60947-7-x	0.77 W	Rated impulse withstand voltage	8 kV
Pollution severity	3		

UL rating data

Certificate No. (UR)	E60693	Conductor size Factory wiring max. (UR)	12 AWG
Conductor size Factory wiring min. (UR)	22 AWG	Conductor size Field wiring max. (UR)	12 AWG
Conductor size Field wiring min. (UR)	22 AWG	Current size C (UR)	20 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

Data sheet

SAK Series
SAK 2.5/35 KRG

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Technical data

Approvals

Approvals



ROHS Conform

Downloads

Approval/Certificate/Document of Conformity	Attestation Of Conformity Attestation Of Conformity DE_PT1311_20160418_368_ISSUE01.pdf
Engineering Data	EPLAN, WSCAD
Engineering Data	STEP
User Documentation	StorageConditionsTerminalBlocks

Safety note

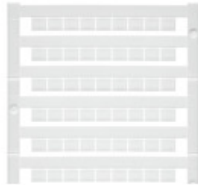
Safety notice [Safety Information](#)

SAK Series SAK 2.5/35 KRG

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Accessories

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 5/6.5 MC NE WS	Version	
Order No.	1609840000	Dekafix, Terminal marker, 5 x 6.5 mm, Pitch in mm (P): 6.50	
GTIN (EAN)	4008190203429	Weidmueller, white	
Qty.	900 pc(s).		

Plus



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General ordering data

Type	DEK 5/6 PLUS MC NE WS	Version	
Order No.	1011320000	Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00	
GTIN (EAN)	4032248717644	Weidmueller, white	
Qty.	1,000 pc(s).		

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Accessories

Partition plates



Klippon® Connect with clamping yoke Technology

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General ordering data

Type	WTW EN	Version
Order No.	1058800000	W-Series, Separation plate
GTIN (EAN)	4008190140175	
Qty.	20 pc(s).	

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

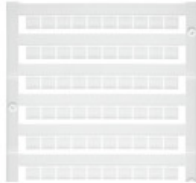
Type	PS 2.3 RT	Version
Order No.	0180400000	Accessories, Test plug
GTIN (EAN)	4008190060121	
Qty.	20 pc(s).	

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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).	
Type	DEK 5/6 PLUS MC SDR	Version
Order No.	1038650000	Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00
GTIN (EAN)	4032248767908	Weidmueller, To customer specification
Qty.	200 pc(s).	

SAK Series SAK 2.5/35 KRG

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Accessories

Blank



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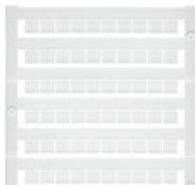
- Large range of ready-to-use markers
- Strips for fast installation
- Terminal markers, suitable for all Weidmüller cable connectors
- Available as blank MultiCard or with standard printing

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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).		

Blank



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- Terminal markers, suitable for all Weidmüller cable connectors
- Available as blank MultiCard or with standard printing

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General ordering data

Type	DEK 5/6 MC NE GN	Version	
Order No.	1238310000	Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00	
GTIN (EAN)	4050118271812	Weidmueller, green	
Qty.	1,000 pc(s).		

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Accessories

Type	DEK 5/6 MC NE GE	Version
Order No.	1238280000	Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00
GTIN (EAN)	4050118038750	Weidmueller, yellow
Qty.	1,000 pc(s).	
Type	DEK 5/6 MC NE GR	Version
Order No.	1238330000	Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00
GTIN (EAN)	4050118323306	Weidmueller, grey
Qty.	1,000 pc(s).	
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).	
Type	DEK 5/6 MC NE BL	Version
Order No.	1238290000	Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00
GTIN (EAN)	4050118267327	Weidmueller, blue
Qty.	1,000 pc(s).	
Type	DEK 5/6 MC NE OR	Version
Order No.	1912090000	Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00
GTIN (EAN)	4032248540525	Weidmueller, orange
Qty.	1,000 pc(s).	
Type	DEK 5/6 MC NE BR	Version
Order No.	1454900000	Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00
GTIN (EAN)	4050118323313	Weidmueller, brown
Qty.	1,000 pc(s).	

**SAK Series
SAK 2.5/35 KRG**

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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).	

Q / SAK

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	Q 10 SAK2.5	Version
Order No.	0368700000	SAK Series, Cross-connector, for cross-connection link, Number of
GTIN (EAN)	4008190107796	poles: 10
Qty.	20 pc(s).	
Type	Q 3 SAK2.5	Version
Order No.	0337100000	SAK Series, Cross-connector, for cross-connection link, Number of
GTIN (EAN)	4008190015411	poles: 3
Qty.	50 pc(s).	

SAK Series SAK 2.5/35 KRG

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Accessories

Type	Q 2 SAK2.5	Version	
Order No.	0337000000	SAK Series, Cross-connector, for cross-connection link, Number of	
GTIN (EAN)	4008190005801	poles: 2	
Qty.	50 pc(s).		
Type	Q 4 SAK2.5	Version	
Order No.	0337200000	SAK Series, Cross-connector, for cross-connection link, Number of	
GTIN (EAN)	4008190142902	poles: 4	
Qty.	50 pc(s).		

Small partition



Klippon® Connect with clamping yoke Technology

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General ordering data

Type	TSCH 1	Version	
Order No.	0319160000	SAK Series, Small partition, beige, 2 mm	
GTIN (EAN)	4008190097219		
Qty.	100 pc(s).		

End plates



Klippon® Connect with clamping yoke Technology

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General ordering data

Type	AP SAK2.5	Version	
Order No.	0279560000	SAK Series, End plate, 1.5 mm, beige, Direct mounting	
GTIN (EAN)	4008190075736		
Qty.	20 pc(s).		
Type	AP SAK2.5 KRG	Version	
Order No.	0279520000	SAK Series, End plate, 1.5 mm, dark beige, yellow, Direct mounting	
GTIN (EAN)	4008190014117		
Qty.	20 pc(s).		

Data sheet

SAK Series SAK 2.5/35 KRG

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Accessories

Type	AP SAK2.5 BL	Version
Order No.	0279580000	SAK Series, End plate, 1.5 mm, blue, Direct mounting
GTIN (EAN)	4008190050702	
Qty.	20 pc(s).	

Covers



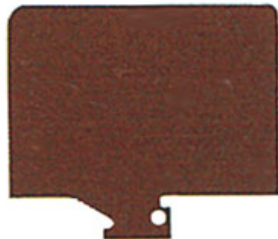
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General ordering data

Type	AD 4 AKZ4	Version
Order No.	0303400000	SAK Series, cover plate, yellow, 20 mm
GTIN (EAN)	4008190068158	
Qty.	50 pc(s).	

Partition plates



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General ordering data

Type	TW SAK2.5 KRG/BL	Version
Order No.	0302870000	SAK Series, Separation plate, 2.25 mm, blue, Direct mounting
GTIN (EAN)	4008190189334	
Qty.	20 pc(s).	

Type	TW SAK2.5 KRG	Version
Order No.	0302820000	SAK Series, Separation plate, 2.25 mm, dark beige, yellow, Direct mounting, Used between terminals
GTIN (EAN)	4008190081904	
Qty.	20 pc(s).	

Type	TW SAK2.5	Version
Order No.	0302860000	SAK Series, Separation plate, 1.5 mm, beige, Direct mounting
GTIN (EAN)	4008190032968	
Qty.	20 pc(s).	

Type	TW SAK2.5 BL	Version
Order No.	0302880000	SAK Series, Separation plate, 1.5 mm, blue, Direct mounting
GTIN (EAN)	4008190047948	
Qty.	20 pc(s).	

Creation date April 30, 2020 11:15:55 PM CEST

Data sheet

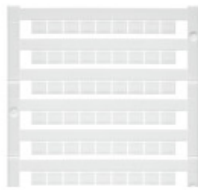
SAK Series SAK 2.5/35 KRG

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Accessories

Type	TW SAK2.5 HP/TF/GE/1	Version
Order No.	0297100000	SAK Series, Separation plate, 1 mm, yellow, Direct mounting
GTIN (EAN)	4008190161545	
Qty.	20 pc(s).	

Custom printing



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General ordering data

Type	DEK 5/6.5 MC SDR	Version
Order No.	1609850000	Dekafix, Terminal marker, 5 x 6.5 mm, Pitch in mm (P): 6.50
GTIN (EAN)	4008190456610	Weidmueller, To customer specification
Qty.	180 pc(s).	