Weidmüller ⋺⋵

SAK Series
RSF 1 KRG

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	RSF 1 KRG
Order No.	0270320000
GTIN (EAN)	4008190009922
Qty.	50 pc(s).

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Technical data

Dimensions and weights

Width	11 mm	Width (inches)	0.433 inch
Height	50 mm	Height (inches)	1.969 inch
Depth	60 mm	Depth (inches)	2.362 inch
Net weight	35.86 g		

Temperatures

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		

System specifications

Version	Screw connection, for screwable cross-connection, with spring-loaded cable clamp, One end without connector	Tightening torque (clamping screw for copper conductors)	
			1.2...1.6 Nm
End cover plate required	Yes	Number of potentials	1
Number of levels	1	No. of clamping points per level	2
Number of potentials per tier	1	Levels cross-connected internally	No
PE connection	No	Mounting rail	TS 32
N-function	No	PE function	No
PEN function	No		

Additional technical data

Explosion-tested version	No	Installation advice	Direct mounting
Number of similar terminals	1	Open sides	right
Type of mounting	Snap-on		

CSA rating data

Certificate No. (CSA)	12400-351	Current size B (CSA)	50 A
Current size C (CSA)	50 A	Current size D (CSA)	5 A
Voltage size B (CSA)	300 V	Voltage size C (CSA)	300 V
Voltage size D (CSA)	600 V	Wire cross section max. (CSA)	8 AWG
Wire cross section min. (CSA)	14 AWG		

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Technical data

Conductors for clamping (rated connection)

Blade size	1.0 x 5.5 mm	Clamping range, rated connection, max.	10 mm²
Clamping range, rated connection, min.	0.5 mm²	Clamping screw	M 4
Connection direction	on side	Gauge to IEC 60947-1	A5
Number of connections	2	Stripping length	15 mm
Tightening torque, max.	1.6 Nm	Tightening torque, min.	1.2 Nm
Torque level with DMS electric screwdriver	4	Type of connection	Screw connection
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.	6 mm²	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.	0.5 mm²
Wire connection cross section, finely stranded, max.	4 mm²	Wire connection cross section, solid core max. rated connection	10 mm²
Wire connection cross section, solid core, min. rated connection	0.5 mm²	Wire connection cross section, stranded, rated connection, max.	10 mm²
Wire connection cross section, stranded, rated connection, min.	0.5 mm²	Wire connection cross-section, finely stranded, min.	1.5 mm²

Rating data

Rated cross-section	10 mm²	Rated voltage	500 V
Rated current	57 A	Current at maximum wires	57 A
Standards	IEC 60947-7-1	Volume resistance according to IEC 60947-7-x	0.56 mΩ
Rated impulse withstand voltage	6 kV	Pollution severity	3

UL rating data

Certificate No. (UR)	E60693	Current size B (UR)	40 A
Current size C (UR)	40 A	Voltage size B (UR)	600 V
Voltage size C (UR)	600 V	Wire cross section max. (UR)	8 AWG
Wire cross section min. (UR)	14 AWG		

Classifications

ETIM 3.0	EC000897	ETIM 4.0	EC000897
ETIM 5.0	EC000897	ETIM 6.0	EC000897
UNSPSC	30-21-18-11	eClass 5.1	27-14-11-20
eClass 6.2	27-14-11-20	eClass 7.1	27-14-11-20
eClass 8.1	27-14-11-20	eClass 9.0	27-14-11-20
eClass 9.1	27-14-11-20		

Product information

Descriptive text technical data	On use of conductor AWG 8/7, the torque is 1.6 Nm.

Approvals

Approvals	
ROHS	Conform

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Technical data

Downloads

Approval/Certificate/Document of Conformity	DE_PT1341_20160418_331_ISSUE01.pdf
Engineering Data	EPLAN, WSCAD

Safety note

Safety notice	Safety Information

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Accessories

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

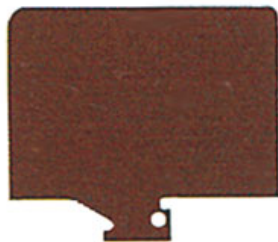| Type	Order No.	Version	GTIN (EAN)	Qty.
AP RSF1 KRG	0270420000	SAK Series, End plate, 3 mm, Medium Yellow, Direct mounting	4008190099107	10 pc(s).

Partition plates

Klippon® Connect with clamping yoke Technology
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General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
TW DK4 HP/ DBR/2	3833500000	SAK Series, Seperation plate, 2 mm, Dark brown, Direct mounting	4008190009052	20 pc(s).
TW AST1/PA HP/DBR/0.5	0474700000	SAK Series, Seperation plate, 0.5 mm, Dark brown	4008190078508	20 pc(s).

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Data sheet

SAK Series
RSF 1 KRG

Accessories

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 1429-0
Fax: +49 5231 14292083
www.weidmueller.com

Slotted screwdriver

Slotted screwdriver with rounded blade SD DIN 5265, ISO 2380/2, output to DIN 5264, ISO 2380/1. ChromTop tip, SoftFinish grip

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
SDS 1.0X5.5X150	9008350000	Screwdriver, Blade width (B): 5.5 mm, Blade length: 150 mm, Blade thickness (A): 1 mm	4032248056316	1 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

General ordering data

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

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Accessories

Partition plates

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General ordering data

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

Custom printing

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General ordering data

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

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Klingenbergstraße 16
D-32758 Detmold
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Fon: +49 5231 1429-0
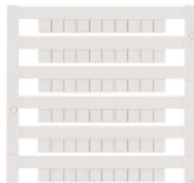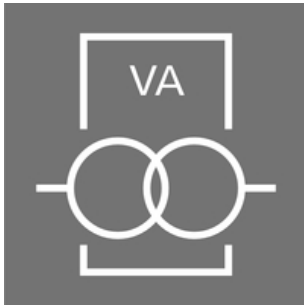Fax: +49 5231 14292083
www.weidmueller.com

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

Non-insulated sockets

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General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
STB 18/RSF1	0286500000	SAK Series, Socket	4008190515591	20 pc(s).

Custom printing

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General ordering data

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

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Weidmüller ⯈E

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Accessories

	(P): 8.00 Weidmueller, To customer specification		
DEK 5/8 PLUS 1046370000 MC SDR	Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00 Weidmueller, To customer specification	4032248782079	160 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

- Compatible with W, Z, P and SAK series terminal blocks
- Firm hold and durable printing
- Continuous strips save installation time
- Easy mounting thanks to an innovative composite material
- Space for multi-line printing

General ordering data

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

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Accessories

Blank

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General ordering data

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

Covers

Building installation wiring

For building installations, we offer a complete system that revolves around the 10×3 copper rail and comprises perfectly coordinated components: from installation terminal blocks, neutral conductor terminal blocks and distribution terminal blocks to comprehensive accessories such as busbars and busbar holders.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
ADP 2/HP2 1M	0485300000	SAK Series, Cover profile, Transparent, 1000 mm	4008190051716	1 m

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General ordering data

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

End bracket
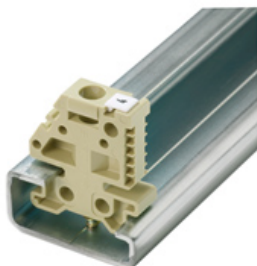
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General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
EWK 1	0206160000	Accessories, End bracket	4008190080020	50 pc(s).
EWK 2	0199360000	Accessories, End bracket	4008190023546	50 pc(s).
WEW 32/1	1067600000	W-Series, End bracket	4008190099657	50 pc(s).
EW 35	0383560000	Accessories, End bracket	4008190181314	50 pc(s).
2016-11-30T00:00:00+01:00 EWK AL1	0495160000	Accessories, End bracket	4008190167775	50 pc(s).

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Accessories

Locking tabs

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General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
VL 2 RSF 1+2	0528400000	SAK Series, Cross-connection lug, for cross-connection link, No. of poles: 2	4008190059095	50 pc(s).

Blank

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General ordering data

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

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Data sheet

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Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 1429-0
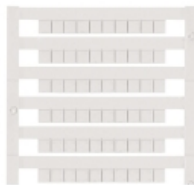Fax: +49 5231 14292083
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Accessories

Plus

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General ordering data

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

Blank

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General ordering data

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

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**SAK Series
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Accessories

Custom printing

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General ordering data

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

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