SAKG 46 II

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Product image

Are you looking for an interface from electrical engineering to electronics? To be able to feed through to the electronic devices on the panel sometimes a solder connection or a standard pluggable solution is appropriate.

General ordering data

Version	Feed-through terminal block, Threaded stud connection, 150 mm², 1000 V, 309 A, Number of connections: 2
Order No.	0170620000
Type	SAKG 46 II
GTIN (EAN)	4008190170592
Qty.	5 pc(s).

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Technical data

Dimensions and weights

Depth	57 mm	Depth (inches)	2.244 inch
Height	106 mm	Height (inches)	4.173 inch
Width	46 mm	Width (inches)	1.811 inch
Net weight	349.6 g		

Temperatures

Storage temperature	-25 °C...55 °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		

System specifications

Version	Stud terminal	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	No	Installation advice	Direct mounting
Number of similar terminals	1	Open sides	Open
Type of mounting	Snap-on		

CSA rating data

Certificate No. (CSA)	12400-199	Current size C (CSA)	365 A
Voltage size C (CSA)	600 V	Wire cross section max. (CSA)	300 kcmil

Conductors for clamping (additional connection)

Connection type, additional connection	Threaded stud connection

Conductors for clamping (rated connection)

Cable lug to DIN 46234	10...185 mm²	Cable lug to DIN 46235	25 - 150 mm²
Clamping range, max.	185 mm²	Clamping range, min.	10 mm²
Clamping screw	M 12	Connection direction	on side
Number of connections	2	Tightening torque, max.	31 Nm
Tightening torque, min.	14 Nm	Type of connection	Threaded stud connection

General

Installation advice	Direct mounting	Rail	TS 32
Standards	IEC 60947-7-1		

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Technical data

Rating data

Rated cross-section	150 mm²	Rated voltage	1,000 V
Rated DC voltage	1,000 V	Rated current	309 A
Current at maximum wires	353 A	Standards	IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	0.1 mΩ	Rated impulse withstand voltage	8 kV
Power loss in accordance with IEC 60947-7-x	9.89 W	Pollution severity	3

UL rating data

Certificate No. (UR)	E60693	Conductor size Factory wiring max. (UR)	300 kcmil
Conductor size Factory wiring min. (UR)	0000 AWG	Conductor size Field wiring max. (UR)	300 kcmil
Conductor size Field wiring min. (UR)	0000 AWG	Current size C (UR)	285 A
Voltage size C (UR)	600 V		

Classifications

ETIM 6.0	EC000897	ETIM 7.0	EC000897
ETIM 8.0	EC000897	ETIM 9.0	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
ECLASS 12.0	27-14-11-20	ECLASS 13.0	27-25-01-01

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	999cd67e-471e-4085-8dba-1342fcea86de

Approvals

Approvals

ROHS	Conform
UL File Number Search	UL Website
Certificate No. (UR)	E60693
Certificate No. (cURusEX)	E184763

Downloads

Approval/Certificate/Document of Conformity	Declaration of Conformity UKCA declaration of conformity
Engineering Data	CAD data – 01123_SAKG_46_II_DXF.dxf CAD data – STEP
User Documentation	StorageConditionsTerminalBlocks
Catalogues	Catalogues in PDF-format

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Accessories

Protective covers

Protective covers or protective caps are attached to the respective connection area of the terminal blocks. They provide protection against electric shock caused by accidental contact with live parts due to operation or faults.

General ordering data

Type	AH 46 SAKG46	Version
Order No.	0326960000	Terminal cover, PA 66, beige, Height: 196 mm, Width: 46 mm, Depth:
GTIN (EAN)	4008190174712	78 mm
Qty.	5 pc(s).	

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

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General ordering data

Type	DEK 5/5 S MC SDR	Version
Order No.	1341590000	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4050118146042	Weidmueller, To customer specification
Qty.	80 pc(s).	
Type	DEK 5/5 PLUS MC SDR	Version
Order No.	1854500000	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4032248393602	Weidmueller, To customer specification
Qty.	200 pc(s).	
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

DEK 5/5

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
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- Large label field for optimal legibility
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General ordering data

Type	DEK 5/5 MM WS	Version
Order No.	2007110000	Dekafix, Terminal marker, 5 x 5 mm, Weidmueller, white
GTIN (EAN)	4050118391862	
Qty.	800 pc(s).	

Marker holder

The marker holder offer the possibility of additional mounting of standard markers with a pitch of 5 or 5.1 mm. The angled holders can be optionally snaped together and could be mounted in all standard marking channels of the Klippon® Connect modular terminal blocks. Fitting marker types could be found under the respective accessories of the designation marking holder.

General ordering data

Type	BZT 1 ZA WS 10/5	Version
Order No.	1805520000	Accessories, Marker holder
GTIN (EAN)	4032248270248	
Qty.	100 pc(s).	
Type	BZT 1 WS 10/5	Version
Order No.	1805490000	Accessories, Marker holder
GTIN (EAN)	4032248270231	
Qty.	100 pc(s).	

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Accessories

Blank

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General ordering data

Type	DEK 5/5 S MC NE WS	Version
Order No.	1341620000	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4050118145793	Weidmueller, white
Qty.	400 pc(s).	
Type	DEK 5/5 MC NE GN	Version
Order No.	1609801688	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4008190397142	Weidmueller, green
Qty.	1,000 pc(s).	
Type	DEK 5/5 MC NE RT	Version
Order No.	1609801686	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4008190397128	Weidmueller, red
Qty.	1,000 pc(s).	
Type	DEK 5/5 MC NE VI	Version
Order No.	1249860000	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4050118042764	Weidmueller, violet
Qty.	1,000 pc(s).	
Type	DEK 5/5 MC NE OR	Version
Order No.	1238340000	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4050118062632	Weidmueller, orange
Qty.	1,000 pc(s).	
Type	DEK 5/5 MC NE SW	Version
Order No.	1457550000	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4050118263817	Weidmueller, black
Qty.	1,000 pc(s).	
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).	
Type	DEK 5/5 MC NE BR	Version
Order No.	1249870000	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4050118051865	Weidmueller, brown
Qty.	1,000 pc(s).	

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Accessories

Type	DEK 5/5 MC NE GE	Version
Order No.	1609801687	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4008190397135	Weidmueller, yellow
Qty.	1,000 pc(s).	
Type	DEK 5/5 MC NE GR	Version
Order No.	1609801691	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4008190397159	Weidmueller, grey
Qty.	1,000 pc(s).	
Type	DEK 5/5 MC NE BL	Version
Order No.	1609801693	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4008190397166	Weidmueller, blue
Qty.	1,000 pc(s).	

QL / SAKG

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 4 SAKG46	Version
Order No.	0444500000	Cross-connector, Number of poles: 4
GTIN (EAN)	4008190187057	
Qty.	5 pc(s).	
Type	QL 3 SAKG46	Version
Order No.	0444400000	Cross-connector (terminal), when screwed in, Number of poles: 3,
GTIN (EAN)	4008190159252	Pitch in mm (P): 46.00, Insulated: No, 309 A, grey
Qty.	5 pc(s).	
Type	QL 2 SAKG46	Version
Order No.	0247000000	Cross-connector (terminal), when screwed in, Number of poles: 2,
GTIN (EAN)	4008190160210	Pitch in mm (P): 46.00, Insulated: No, 309 A, grey
Qty.	5 pc(s).	

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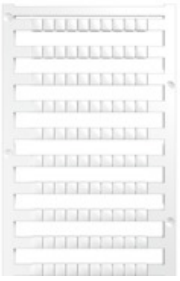
Accessories

Plus



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General ordering data

Type	DEK 5/5 PLUS MC NE GE	Version
Order No.	1907520000	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4032248532100	Weidmueller, yellow
Qty.	1,000 pc(s).	

Type	DEK 5/5 PLUS MC NE WS	Version
Order No.	1854490000	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4032248393596	Weidmueller, white
Qty.	1,000 pc(s).	

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 SAKG46 HP/TF/GE/2	Version
Order No.	0179900000	Partition plate (terminal), Intermediate plate, 160 mm x 70 mm, yellow
GTIN (EAN)	4008190107833	
Qty.	10 pc(s).	

Type	TW SAKG46 HP/DBR/2	Version
Order No.	0177100000	Partition plate (terminal), Intermediate plate, 160 mm x 70 mm, dark
GTIN (EAN)	4008190129699	brown
Qty.	10 pc(s).	

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Accessories

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	EP 2 SAKG46/32 HP/TF/GE	Version
Order No.	0205400000	End and partition plate for terminals, End and intermediate plate, 160
GTIN (EAN)	4008190027223	mm x 2 mm, yellow
Qty.	10 pc(s).	
Type	EP 2 SAKG46/35 HP/DBR	Version
Order No.	0180700000	End and partition plate for terminals, End and intermediate plate, 160
GTIN (EAN)	4008190099671	mm x 2 mm, dark brown
Qty.	10 pc(s).	
Type	EP 2 SAKG46/35 HP/TF/GE	Version
Order No.	0180800000	End and partition plate for terminals, End and intermediate plate, 160
GTIN (EAN)	4008190006938	mm x 2 mm, yellow
Qty.	10 pc(s).	

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Accessories

DEK 5/8

WS/ DEK
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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).	

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Accessories

V0

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General ordering data

Type	DEK 5/5 MC NE V0 WS	Version
Order No.	1388530000	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4050118188622	Weidmueller, white
Qty.	1,000 pc(s).	