

SAKG 28 I**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, Screw connection, 35 mm ² , 1000 V, 125 A, Number of connections: 1
Order No.	0170020000
Type	SAKG 28 I
GTIN (EAN)	4008190152000
Qty.	10 pc(s).

Creation date May 2, 2024 8:07:45 AM CEST

Catalogue status 20.04.2024 / We reserve the right to make technical changes.

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Technical data**Dimensions and weights**

Depth	63.5 mm	Depth (inches)	2.5 inch
Height	70 mm	Height (inches)	2.756 inch
Width	28 mm	Width (inches)	1.102 inch
Net weight	100.5 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	beige
UL 94 flammability rating	V-0, 5VA		

System specifications

Version	Stud terminal / ZB	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	Number of similar terminals	1
Open sides	Open	Type of mounting	Snap-on

CSA rating data

Certificate No. (CSA)	12400-244	Current size C (CSA)	110 A
Voltage size C (CSA)	600 V	Wire cross section max. (CSA)	1 AWG
Wire cross section min. (CSA)	6 AWG		

Conductors for clamping (additional connection)

Connection type, additional connection Screw connection

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Technical data

Conductors for clamping (rated connection)

Clamping range, max.	50 mm ²	Clamping range, min.	6 mm ²
Clamping screw	M 6	Connection cross-section, stranded, max.	50 mm ²
Connection cross-section, stranded, min.	6 mm ²	Connection direction	on side
Gauge to IEC 60947-1	B9	Number of connections	1
Stripping length	15 mm	Tightening torque, max.	6 Nm
Tightening torque, min.	4 Nm	Type of connection	Screw connection
Wire connection cross section AWG, max.	AWG 1	Wire connection cross section AWG, min.	AWG 6
Wire connection cross section, finely stranded, max.	35 mm ²	Wire connection cross section, finely stranded, min.	10 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	35 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	6 mm ²
Wire connection cross-section, solid core, max.	16 mm ²	Wire connection cross-section, solid core, min.	6 mm ²

General

Rail	TS 32	Standards	IEC 60947-7-1
Wire connection cross section AWG, max.	AWG 1	Wire connection cross section AWG, min.	AWG 6

Rating data

Rated cross-section	35 mm ²	Rated voltage	1,000 V
Rated DC voltage	1,000 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)	8 AWG	Conductor size Field wiring max. (UR)	2 AWG
Conductor size Field wiring min. (UR)	8 AWG	Current size C (UR)	95 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

Data sheet

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Technical data

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
User Documentation	StorageConditionsTerminalBlocks
Catalogues	Catalogues in PDF-format

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Accessories

V0



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 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).		

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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.

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).	

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 28 SAKG28	Version
Order No.	0326660000	Terminal cover, PA 66, beige, Height: 156 mm, Width: 26 mm, Depth: 74 mm
GTIN (EAN)	4008190031510	
Qty.	5 pc(s).	

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Accessories

SAK-Series



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 1 SAKG28/32 HP/TF/GE	Version
Order No.	0205200000	End and partition plate for terminals, End and intermediate plate, 120
GTIN (EAN)	4008190088675	mm x 2 mm, yellow
Qty.	10 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 3 SAKG40	Version
Order No.	0263500000	Cross-connector, Cross-connector, Number of poles: 3
GTIN (EAN)	4008190040628	
Qty.	5 pc(s).	
Type	QL 3 SAKG28	Version
Order No.	0407600000	Cross-connector (terminal), when screwed in, Number of poles: 3,
GTIN (EAN)	4008190038328	Pitch in mm (P): 14.00, Insulated: No, 232 A, grey
Qty.	5 pc(s).	
Type	QL 2 SAKG40	Version
Order No.	0194100000	Cross-connector (terminal), when screwed in, Number of poles: 2,
GTIN (EAN)	4008190050146	Pitch in mm (P): 40.00, Insulated: No, 232 A, grey
Qty.	5 pc(s).	
Type	QL 2 SAKG28	Version
Order No.	0551200000	Cross-connector (terminal), when screwed in, Number of poles: 2,
GTIN (EAN)	4008190038526	Pitch in mm (P): 28.00, Insulated: No, 232 A, grey
Qty.	10 pc(s).	
Type	QL 4 SAKG28	Version
Order No.	0407700000	Cross-connector (terminal), when screwed in, Number of poles: 4,
GTIN (EAN)	4008190078409	Pitch in mm (P): 28.00, Insulated: No, 232 A, grey
Qty.	5 pc(s).	

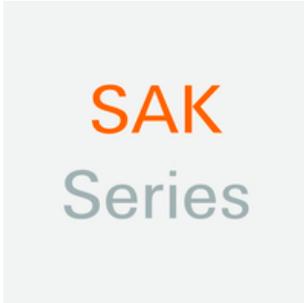
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Accessories

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 SAKG28 HP/TF/GE/2	Version
Order No.	0164600000	Partition plate (terminal), Intermediate plate, 120 mm x 55 mm, yellow
GTIN (EAN)	4008190141998	
Qty.	10 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 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).	
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).	

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Accessories

DEK 5/5

**WS/ DEK**

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- Firm hold and durable printing
- Continuous strips save installation time
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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 snapped 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 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 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).	
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 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 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 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 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 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 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).	

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).	