Weidmüller ƎⱩ

SAK 4 SS 6.3/2.8

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, Flat-blade connection, beige / yellow, 2.5 mm², 20 A, 500 V, Number of connections: 4, Number of levels: 2, TS 32, V-2, PA 66, 100 °C
Order No.	0479660000
Type	SAK 4 SS 6.3/2.8
GTIN (EAN)	4008190185527
Qty.	100 pc(s).

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Technical data

Dimensions and weights

Depth	51.5 mm	Depth (inches)	2.028 inch
Height	40 mm	Height (inches)	1.575 inch
Width	6.5 mm	Width (inches)	0.256 inch
Net weight	8.57 g		

Temperatures

Storage temperature	-25 °C...55 °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		

System specifications

Version	With cable lug connection F2.8, With cable lug connection F6.3, for screw-able cross-connection, One end without connector	End cover plate required	
			Yes
Number of potentials	1	Number of levels	2
Number of clamping points per level	2	Number of potentials per tier	1
Levels cross-connected internally	Yes	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	right
Type of mounting	Snap-on		

CSA rating data

Certificate No. (CSA)	12400-129	Current size C (CSA)	13 A
Voltage size C (CSA)	300 V	Wire cross section max. (CSA)	14 AWG
Wire cross section min. (CSA)	18 AWG		

Conductors for clamping (additional connection)

Connection type, additional connection	Flat-blade connection

Conductors for clamping (rated connection)

Clamping range, max.	2.5 mm²	Clamping range, min.	0.5 mm²
Connection direction	on side	Number of connections	4
Type of connection		Wire connection cross section, finely stranded, max.	2.5 mm²
	Flat-blade connection		
Wire connection cross section, finely stranded, min.	0.5 mm²	Wire connection cross-section, solid core, max.	2.5 mm²
Wire connection cross-section, solid core, min.	0.5 mm²		

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Technical data

General

Installation advice	Direct mounting	Rail	TS 32
Standards	IEC 61210, In accordance with IEC 60947-7-1		

Other connections

Rated cross-section spade connector 2.8 mm	1 mm²	Rated cross-section spade connector 6.3 mm	2.5 mm²

Rating data

Rated cross-section	2.5 mm²	Rated voltage	500 V
Rated DC voltage	500 V	Rated current	20 A
Current at maximum wires	20 A	Standards	IEC 61210, In accordance with IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	1.33 mΩ	Rated impulse withstand voltage	6 kV
Power loss in accordance with IEC 60947-7-x	0.77 W	Pollution severity	3

UL rating data

Certificate No. (UR)	E60693	Conductor size Factory wiring max. (UR)	12 AWG
Conductor size Factory wiring min. (UR)	26 AWG	Conductor size Field wiring max. (UR)	12 AWG
Conductor size Field wiring min. (UR)	26 AWG	Current size C (UR)	25 A
Voltage size C (UR)	300 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
ECLASS 14.0	27-25-01-01		

Environmental Product Compliance

REACH SVHC	/
RoHS Compliance Status	Compliant without exemption

Approvals

Approvals

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

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Technical data

Downloads

Approval/Certificate/Document of Conformity	DNV Certificate Declaration of Conformity UKCA declaration of conformity
User Documentation	StorageConditionsTerminalBlocks
Catalogues	Catalogues in PDF-format

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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 5/5 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).		

TS 32

TS 32
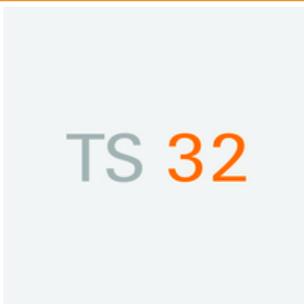
Weidmüller's range of products includes end brackets that guarantee a permanent, reliable mounting on the terminal rail and prevent sliding. Versions with and without screws are available. The end brackets include marking options, also for group markers, and also a test plug holder.

General ordering data

Type	EWK 1	Version	
Order No.	0206160000	End bracket, beige, TS 32, V-0, Wemid, Width: 9 mm, 100 °C	
GTIN (EAN)	4008190080020		
Qty.	50 pc(s).		

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Accessories

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

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).	

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Accessories

QL / SAK 4

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 SAK4	Version
Order No.	0130700000	Cross-connector (terminal), when screwed in, grey, 41 A, Number of poles: 3, Pitch in mm (P): 6.00, Insulated: No, Width: 18 mm
GTIN (EAN)	4008190085117	
Qty.	100 pc(s).	
Type	QL 4 SAK4	Version
Order No.	0130800000	Cross-connector (terminal), when screwed in, grey, 32 A, Number of poles: 4, Pitch in mm (P): 6.00, Insulated: No, Width: 24.5 mm
GTIN (EAN)	4008190173715	
Qty.	50 pc(s).	
Type	QL 2 SAK4	Version
Order No.	0130600000	Cross-connector (terminal), when screwed in, grey, 41 A, Number of poles: 2, Pitch in mm (P): 6.00, Insulated: No, Width: 11.5 mm
GTIN (EAN)	4008190077372	
Qty.	100 pc(s).	
Type	QL 10 SAK4	Version
Order No.	0338200000	Cross-connector (terminal), when screwed in, grey, 36 A, Number of poles: 10, Pitch in mm (P): 6.00, Insulated: No, Width: 63.5 mm
GTIN (EAN)	4008190107413	
Qty.	20 pc(s).	

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Accessories

DEK 5/6

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 5/6 MM WS	Version	
Order No.	2007120000	Dekafix, Terminal marker, 5 x 6 mm, Weidmueller, white	
GTIN (EAN)	4050118392104		
Qty.	600 pc(s).		

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Accessories

Blank

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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
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General ordering data

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 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 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 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 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 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).		
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

Custom printing

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- Strips for fast installation
- Terminal markers, suitable for all Weidmüller cable connectors
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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).		

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Accessories

Blank

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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 5/6.5 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

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.
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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 5/6 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

W-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	WTW EN	Version
Order No.	1058800000	Partition plate (terminal), dark beige, Height: 86 mm, Width: 3 mm,
GTIN (EAN)	4008190140175	V-0, Wemid
Qty.	20 pc(s).	

Custom printing

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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 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).	

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Accessories

Insulation sleeves

With insulating sleeve for cable lug, an increase of the rated voltage within the application is possible.

General ordering data

Type	IH 4.8 DB	Version
Order No.	0386160000	W-Series, Insulating sleeve
GTIN (EAN)	4008190141004	
Qty.	100 pc(s).	
Type	IH 2.8 DB	Version
Order No.	0386060000	W-Series, Insulating sleeve
GTIN (EAN)	4008190043414	
Qty.	100 pc(s).	
Type	IH 6.3 WEM GE	Version
Order No.	0386260000	W-Series, Insulating sleeve
GTIN (EAN)	4008190164256	
Qty.	100 pc(s).	

SAK-Series
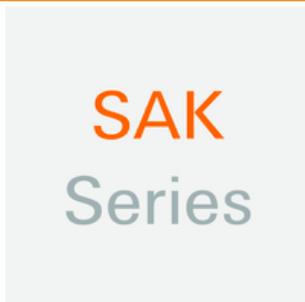
End plates are fitted to the open side of the last modular terminal before the end bracket. The use of an end plate ensures the function of the modular terminal and the specified rated voltage. It guarantees protection against contact with live parts and makes the final terminal finger-proof.

General ordering data

Type	AP SAK4-10 DB	Version
Order No.	0105100000	End plate (terminals), dark beige, Height: 40 mm, Width: 1.5 mm, V-0,
GTIN (EAN)	4008190394875	Wemid
Qty.	20 pc(s).	
Type	AP SAK4-10 BL	Version
Order No.	0117980000	End plate (terminals), blue, Height: 40 mm, Width: 1.5 mm, V-2, PA 66
GTIN (EAN)	4008190171087	
Qty.	20 pc(s).	
Type	AP SAK4-10 RT	Version
Order No.	0117900000	End plate (terminals), red, Height: 40 mm, Width: 1.5 mm, V-2, PA 66
GTIN (EAN)	4008190125059	
Qty.	20 pc(s).	

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Accessories

Type	AP SAK4-10 I	Version	
Order No.	0117910000	End plate (terminals), Light Grey, Height: 40 mm, Width: 1.5 mm, V-2,	
GTIN (EAN)	4008190183707	PA 66	
Qty.	20 pc(s).		

Type	AP SAK4-10	Version	
Order No.	0117960000	End plate (terminals), beige, Height: 40 mm, Width: 1.5 mm, V-2, PA	
GTIN (EAN)	4008190081485	66	
Qty.	20 pc(s).		

SchT group marker carrier

The SchT 5 S group tag carriers are clipped directly onto the TS 32 mounting rail (G-rail) or the TS 35 mounting rail (top-hat rail). It is therefore possible to label the terminal strip irrespective of the terminal and the type of terminal. SchT 5 and SchT 5 S are fitted with ESO 5, STR 5 protective strips.
The SchT 7 is a hinged group tag carrier for inlay tags which enables easy access to the clamping screw.
The SchT 7 is fitted with ESO 7, STR 7 protective strips or DEK 5.
Inlay tags and protective strips can be found under "Accessories".

General ordering data

Type	SCHT 7	Version	
Order No.	0517960000	SCHT, Terminal marker, 39.3 x 8 mm, Pitch in mm (P): 7.00	
GTIN (EAN)	4008190001742	Weidmueller, white	
Qty.	20 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 4 SAK4-10	Version	
Order No.	0130160000	Partition plate (terminal), beige, Height: 50 mm, Width: 1.5 mm, V-2,	
GTIN (EAN)	4008190096335	PA 66	
Qty.	20 pc(s).		

Type	TW 4 SAK4-10 BL	Version	
Order No.	0130180000	Partition plate (terminal), blue, Height: 50 mm, Width: 1.5 mm, V-2, PA	
GTIN (EAN)	4008190114138	66	
Qty.	20 pc(s).		

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