Weidmüller ⧓

SAKD 2.5/35 BL

Product image

To feed through power, signal, and data is the classical requirement in electrical engineering and panel building. The insulating material, the connection system and the design of the terminal blocks are the differentiating features. A feed-through terminal block is suitable for joining and/or connecting one or more conductors. They could have one or more connection levels that are on the same potential or insulated against one another.

General ordering data

Version	Feed-through terminal block, Screw connection, blue, 2.5 mm², 24 A, 500 V, Number of connections: 2, Number of levels: 1, TS 35, V-2, PA 66, 100 °C
Order No.	0268880000
Type	SAKD 2.5/35 BL
GTIN (EAN)	4008190061951
Qty.	100 pc(s).
Alternative product	1023780000

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Technical data

Dimensions and weights

Depth	38 mm		Depth (inches)	1.496 inch
Height	44 mm		Height (inches)	1.732 inch
Width	5 mm		Width (inches)	0.197 inch
Net weight	5.94 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	blue
UL 94 flammability rating	V-2			

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	Yes
PE function	No		PEN function	No

Additional technical data

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

CSA rating data

Certificate No. (CSA)	12400-115		Current size C (CSA)	20 A
Voltage size C (CSA)	300 V		Wire cross section max. (CSA)	12 AWG
Wire cross section min. (CSA)	22 AWG			

Conductors for clamping (additional connection)

Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	2.5 mm²		Connection type, additional connection	Screw connection

Catalogue status 17.08.2024 / We reserve the right to make technical changes.

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Technical data

Conductors for clamping (rated connection)

Blade size	0.6 x 3.5 mm	Clamping range, max.	4 mm²
Clamping range, min.	0.33 mm²	Clamping screw	M 2.5
Connection cross-section, stranded, max.	4 mm²	Connection cross-section, stranded, min.	0.5 mm²
Connection direction	on side	Gauge to IEC 60947-1	A2
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 mm²
Twin wire-end ferrules, min.	0.5 mm²	Type of connection	Screw connection
Wire connection cross section AWG, max.	AWG 12	Wire connection cross section AWG, min.	AWG 28
Wire connection cross section, finely stranded, max.	4 mm²	Wire connection cross section, finely stranded, min.	0.5 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	2.5 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	2.5 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm²
Wire connection cross-section, solid core, max.	4 mm²	Wire connection cross-section, solid core, min.	0.5 mm²

General

Rail	TS 35	Standards	IEC 60947-7-1
Wire connection cross section AWG, max.	AWG 12	Wire connection cross section AWG, min.	AWG 28

Rating data

Rated cross-section	2.5 mm²	Rated voltage	500 V
Rated DC voltage	500 V	Rated current	24 A
Current at maximum wires	30 A	Standards	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)	28 AWG	Conductor size Field wiring max. (UR)	12 AWG
Conductor size Field wiring min. (UR)	28 AWG	Current size C (UR)	20 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		

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Technical data

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

Downloads

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

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SAKD 2.5/35 BL

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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SAKD 2.5/35 BL

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

Slotted screwdriver

VDE insulated slot-head screwdriver, SDI DIN 7437, ISO 2380/2, drive output acc. to DIN 5264, ISO 2380/1. SoftFinish grip

General ordering data

Type	SDIS 0.6X3.5X100	Version	
Order No.	9008390000	Screwdriver, Screwdriver	
GTIN (EAN)	4032248056354		
Qty.	1 pc(s).		

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SAKD 2.5/35 BL

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).		

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SAKD 2.5/35 BL

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

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General ordering data

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 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).		
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 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 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 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 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 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).		

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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 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 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).		

Testsockets
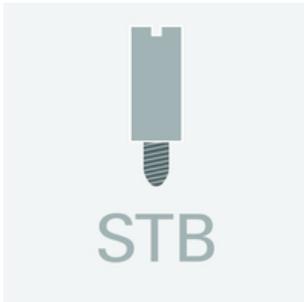
Test adapters and test plugs are used for the electrical connection between terminal blocks and the test equipment. In this way, an electrical contact can be established in the wired state and measurements can be done easily.

General ordering data

Type	STB 8.5/D4/2.3/M2.5 AKZ	Version
Order No.	0215700000	Accessories, Socket
GTIN (EAN)	4008190184872	
Qty.	50 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).	

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Accessories

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

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- Strips for fast installation
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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 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 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

Q / SAK

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	Q 3 SAKD2.5N	Version
Order No.	0367900000	Cross-connector (terminal), when screwed in, grey, 24 A, Number of
GTIN (EAN)	4008190176778	poles: 3, Pitch in mm (P): 5.00, Insulated: No, Width: 14.6 mm
Qty.	50 pc(s).	
Type	Q 4 SAKD2.5N	Version
Order No.	0368000000	Cross-connector (terminal), when screwed in, grey, 24 A, Number of
GTIN (EAN)	4008190044909	poles: 4, Pitch in mm (P): 5.00, Insulated: No, Width: 24.8 mm
Qty.	50 pc(s).	
Type	Q 10 SAKD2.5N	Version
Order No.	0368100000	Cross-connector (terminal), when screwed in, grey, 24 A, Number of
GTIN (EAN)	4008190116293	poles: 10, Pitch in mm (P): 5.00, Insulated: No, Width: 50.3 mm
Qty.	20 pc(s).	
Type	Q 2 SAKD2.5N	Version
Order No.	0367800000	Cross-connector (terminal), when screwed in, grey, 24 A, Number of
GTIN (EAN)	4008190133436	poles: 2, Pitch in mm (P): 5.00, Insulated: No, Width: 9.5 mm
Qty.	50 pc(s).	

SAK-Series
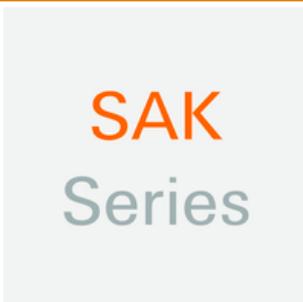
A partition plate is used for the optical separation of circuits or used for electrical isolation from neighbouring cross-connectors. In contrast to the end plate, the contour can be larger than the adjacent terminal blocks. However, it should not be smaller, as otherwise the required clearance and creepage distances within the application can no longer be maintained.

General ordering data

Type	TW SAKD2.5N	Version
Order No.	0191860000	Partition plate (terminal), beige, Height: 42.5 mm, Width: 1.5 mm, V-2,
GTIN (EAN)	4008190074609	PA 66
Qty.	20 pc(s).	
Type	TW SAKD2.5N BL	Version
Order No.	0191880000	Partition plate (terminal), blue, Height: 42.5 mm, Width: 1.5 mm, V-2,
GTIN (EAN)	4008190017675	PA 66
Qty.	20 pc(s).	

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

www.weidmueller.com

Accessories

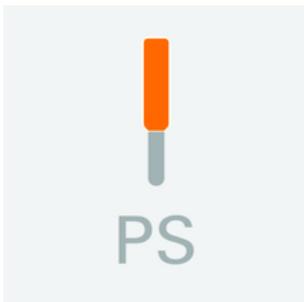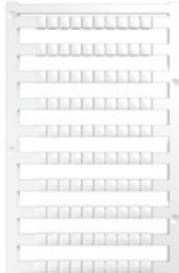| Type	TSCH 3 SAKD2.5 N	Version	
Order No.	0366860000		Small partition (terminal), PA 66, beige, Continuous operating temp.,
GTIN (EAN)	4008190010928		max.: 100 °C
Qty.	100 pc(s).		

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 SAKD2.5N BL	Version	
Order No.	0150980000		End plate (terminals), blue, Height: 32.5 mm, Width: 1.5 mm, V-2, PA
GTIN (EAN)	4008190014797		66
Qty.	20 pc(s).		
Type	AP SAKD2.5N	Version	
Order No.	0150960000		End plate (terminals), beige, Height: 32.5 mm, Width: 1.5 mm, V-2, PA
GTIN (EAN)	4008190071981		66
Qty.	20 pc(s).		

Test plugs

Test adapters and test plugs are used for the electrical connection between terminal blocks and the test equipment. In this way, an electrical contact can be established in the wired state and measurements can be done easily.

General ordering data

Type	PS 2.3 RT	Version	
Order No.	0180400000		Test adapter (terminal), 230 V, 20 mA
GTIN (EAN)	4008190060121		
Qty.	20 pc(s).		

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SAKD 2.5/35 BL

Accessories

Plus

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General ordering data

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).		
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).		

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