

SAKH 6 EP/SW

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

www.weidmueller.com

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, black, 6 mm ² , 41 A, 1000 V, Number of connections: 2
Order No.	0126600000
Type	SAKH 6 EP/SW
GTIN (EAN)	4008190121471
Qty.	50 items

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Technical data

Approvals

Approvals



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

Dimensions and weights

Depth	76.5 mm	Depth (inches)	3.0118 inch
Height	57 mm	Height (inches)	2.2441 inch
Width	14 mm	Width (inches)	0.5512 inch
Net weight	43.33 g		

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-60 °C...115 °C
Continuous operating temp., min.	-60 °C	Continuous operating temp., max.	160 °C

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

Material data

Basic material	Epoxy resin, EP	Colour	black
UL 94 flammability rating	V-0		

Rating data IECEx/ATEX

Certificate No. (ATEX)	TUEV18ATEX8206U	Certificate No. (IECEx)	IECEx TUR18.0016U
Max. voltage (ATEX)	1100 V	Current (ATEX)	50 A
Wire cross section max. (ATEX)	10 mm ²	Max. voltage (IECEx)	1100 V
Current (IECEx)	50 A	Wire cross section max. (IECEx)	10 mm ²
Marking EN 60079-7	Ex eb II C Gb	Ex 2014/34/EU label	II 2 G D

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
Mounting rail	TS 32	N-function	No
PE function	No	PEN function	No

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Technical data

Additional technical data

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

CSA rating data

Wire cross section max. (CSA)	6 AWG	Voltage size C (CSA)	1000 V
Current size C (CSA)	78 A	Certificate No. (CSA)	200039-1501714
Voltage size B (CSA)	600 V	Current size B (CSA)	78 A
Voltage size D (CSA)	600 V	Current size D (CSA)	5 A
Wire cross section min. (CSA)	20 AWG		

Conductors for clamping (additional connection)

Connection type, additional connection Screw connection

Conductors for clamping (rated connection)

Gauge to IEC 60947-1	B6	Wire connection cross section AWG, max.	AWG 6
Connection direction	on side	Tightening torque, max.	1.2 Nm
Tightening torque, min.	1.2 Nm	Stripping length	12 mm
Type of connection	Screw connection	Number of connections	2
Clamping range, max.	16 mm ²	Clamping range, min.	0.5 mm ²
Clamping screw	M 4	Blade size	1.0 x 5.5 mm
Wire connection cross section AWG, min.	AWG 20	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	6 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	10 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm ²	Wire connection cross section, finely stranded, max.	10 mm ²
Wire connection cross section, finely stranded, min.	0.5 mm ²	Connection cross-section, stranded, max.	16 mm ²
Connection cross-section, stranded, min. 0.5 mm ²		Twin wire-end ferrules, max.	6 mm ²
Twin wire-end ferrules, min.	0.75 mm ²	Torque level with DMS electric screwdriver	4
Wire connection cross-section, solid core, max.	16 mm ²	Wire connection cross-section, solid core, min.	0.5 mm ²
Connection cross-section, finely stranded, min.	0.5 mm ²		

General

Wire connection cross section AWG, max.	AWG 6	Wire connection cross section AWG, min.	AWG 20
Standards	IEC 60947-7-1	Mounting rail	TS 32

Rating data

Rated cross-section	6 mm ²	Rated voltage	1000 V
Rated DC voltage	1000 V	Nominal current	41 A
Current at maximum wires	57 A	Standards	IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	0.78 mΩ	Rated impulse withstand voltage	8 kV

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Technical data

Power loss in accordance with IEC 60947-7-x	1.31 W	Pollution severity	3
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UL rating data

Voltage size B (UR)	600 V	Wire cross section min. (UR)	20 AWG
Current size B (UR)	65 A	Wire cross section max. (UR)	6 AWG
Current size D (UR)	5 A	Current size C (UR)	65 A
Voltage size C (UR)	600 V	Certificate No. (UR)	E60693
Voltage size D (UR)	600 V		

Classifications

ETIM 8.0	EC000897	ETIM 9.0	EC000897
ETIM 10.0	EC000897	ECLASS 14.0	27-25-01-01
ECLASS 15.0	27-25-01-01		

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Accessories

Disconnect plugs



In contrast to the terminal blocks with integrated disconnect lever, our disconnect plugs can be completely detached or removed from the terminal block and the respective application and offer a flexible alternative solution to our standard disconnectors.

General ordering data

Type	QL 2 SAKH10	Version
Order No.	0131400000	Cross-connector (terminal), when screwed in, grey, 36 A, Number of
GTIN (EAN)	4008190114237	poles: 2, Pitch in mm (P): 14.00, Insulated: No, Width: 16.9 mm
Qty.	50 ST	
Type	QL 3 SAKH10	Version
Order No.	0131500000	Cross-connector (terminal), when screwed in, grey, 36 A, Number of
GTIN (EAN)	4008190056490	poles: 3, Pitch in mm (P): 14.00, Insulated: No, Width: 26.8 mm
Qty.	50 ST	
Type	QL 10 SAKH10	Version
Order No.	0338700000	Cross-connector (terminal), when screwed in, grey, 57 A, Number of
GTIN (EAN)	4008190039424	poles: 10, Pitch in mm (P): 6.00, Insulated: No, Width: 96.1 mm
Qty.	20 ST	

End plates and partition plates



Partition plates and end plates are essential accessories for terminal blocks. Partition plates provide optical and electrical separation of different potentials and functional groups, increasing safety and ensuring a clear structure inside the control cabinet. End plates close the terminal block row on the sides, protect against contact with live parts, and ensure a clean, stable finish. Both components are precisely matched to the respective Weidmüller terminal block series, contributing to safe, compliant, and professional wiring.

General ordering data

Type	AP SAKH6/10 EP/SW	Version
Order No.	0131700000	End plate for terminals, black, Height: 58 mm, Width: 4 mm, V-0, Epoxy resin, EP, Snap-on: Yes
GTIN (EAN)	4008190174880	
Qty.	20 ST	
Type	TW SAK4-10 EP/SW	Version
Order No.	0130100000	Partition plate (terminal), black, Height: 50 mm, Width: 2.53 mm, V-0, Epoxy resin, EP
GTIN (EAN)	4008190407599	
Qty.	20 ST	

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Accessories

Cross-connections

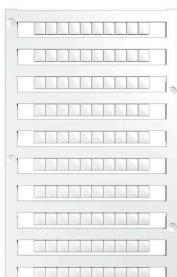


The distribution or multiplication of a potential to adjoining terminal blocks is realized via a cross-connection. Additional wiring effort can be easily avoided. Even if the poles are broken out, contact reliability in the terminal blocks is still ensured. Our portfolio offers pluggable and screwable cross-connection systems for modular terminal blocks.

General ordering data

Type	KISC M3X20.5/10 EK4	Version
Order No.	0303000000	Clamping yoke, Mounting screw, Steel
GTIN (EAN)	4008190163686	
Qty.	100 ST	
Type	VH 12/4.9/3.3	Version
Order No.	0249000000	Connecting sleeve (terminal), when screwed in, Width: 4.9 mm, Height: 4.9 mm, Depth: 12 mm, Number of poles: 1, Copper
GTIN (EAN)	4008190129507	
Qty.	100 ST	

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	Weidmüller, white
Qty.	1000 ST	
Type	DEK 5/8 MC NE WS	Version
Order No.	1856740000	Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00
GTIN (EAN)	4032248400850	Weidmüller, white
Qty.	800 ST	

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Accessories

Mounting support



We offer a broad portfolio of mounting support for easy handling and supplementation of our products. From various tools to insulating sleeves and various screws, our components are matched to each other down to the last detail and thus facilitate assembly in compliance with the respective standards and protective regulations.

General ordering data

Type	KISC M3X20 SAK10 CU5	Version
Order No.	0377100000	SAK Series, Mounting screw, Copper
GTIN (EAN)	4008190060350	
Qty.	100 ST	

Disconnect plugs



In contrast to the terminal blocks with integrated disconnect lever, our disconnect plugs can be completely detached or removed from the terminal block and the respective application and offer a flexible alternative solution to our standard disconnectors.

General ordering data

Type	QL 2 SAK35	Version
Order No.	0123600000	Cross-connector (terminal), when screwed in, grey, 99 A, Number of
GTIN (EAN)	4008190092566	poles: 2, Pitch in mm (P): 8.00, Insulated: No, Width: 27.8 mm
Qty.	20 ST	

Cross-connections



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General ordering data

Type	QL 3 SAK55	Version
Order No.	0123700000	Cross-connector (terminal), when screwed in, grey, 99 A, Number of
GTIN (EAN)	4008190182526	poles: 3, Pitch in mm (P): 18.00, Insulated: No, Width: 45.8 mm
Qty.	20 ST	

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Accessories

Type	QL 4 SAK35	Version
Order No.	0123800000	Cross-connector (terminal), when screwed in, grey, 99 A, Number of
GTIN (EAN)	4008190165390	poles: 4, Pitch in mm (P): 8.00, Insulated: No, Width: 63.8 mm
Qty.	20 ST	
Type	QL 10 SAK35	Version
Order No.	0338600000	Cross-connector (terminal), when screwed in, grey, 99 A, Number of
GTIN (EAN)	4008190106133	poles: 10, Pitch in mm (P): 18.00, Insulated: No, Width: 171.4 mm
Qty.	20 ST	

Mounting support

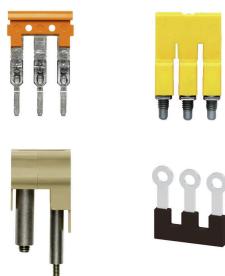


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General ordering data

Type	BFSC M4X30	Version
Order No.	0267100000	Mounting screw (Terminal), 4.00 mm, Steel, Depth: 7 mm, Width: 7
GTIN (EAN)	4008190187897	mm, Height: 30 mm
Qty.	50 ST	

Cross-connections



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General ordering data

Type	VH 17/8.2/5.2	Version
Order No.	0267000000	Connecting sleeve (terminal), when screwed in, Width: 8 mm, Height:
GTIN (EAN)	4008190146986	8 mm, Depth: 17 mm, Number of poles: 1, Cu Zn
Qty.	50 ST	

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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	Weidmüller, white
Qty.	900 ST	

Custom printing



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- Terminal markers, suitable for all Weidmüller cable connectors
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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	Weidmüller, To customer specification
Qty.	180 ST	

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Accessories

Testadapter and 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	PS 4 F.STB 4	Version
Order No.	0299600000	Test adapter (terminal), 230 V
GTIN (EAN)	4008190074043	
Qty.	20 ST	

End plates and partition plates



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General ordering data

Type	AP PPT/35	Version
Order No.	3835120000	End plate for terminals, Anthracite, Height: 138 mm, Width: 3 mm,
GTIN (EAN)	4008190003364	V-2, Snap-on: Yes
Qty.	10 ST	

Disconnect plugs



In contrast to the terminal blocks with integrated disconnect lever, our disconnect plugs can be completely detached or removed from the terminal block and the respective application and offer a flexible alternative solution to our standard disconnectors.

General ordering data

Type	TST PPT/35	Version
Order No.	3835360000	Mounting foot for mounting rail, Anthracite, PA 66, without, Width:
GTIN (EAN)	4008190542641	10 mm
Qty.	10 ST	

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Accessories

Testadapter and testsockets



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General ordering data

Type	STB 17/D6/4/M4 SAKC10	Version
Order No.	0147100000	SAK Series, Socket
GTIN (EAN)	4008190183042	
Qty.	50 ST	

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

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General ordering data

Type	DEK 5/8 MC SDR	Version
Order No.	1856750000	Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00
GTIN (EAN)	4032248400867	Weidmüller, To customer specification
Qty.	160 ST	

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Accessories

Plus



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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 5/8 PLUS MC NE WS	Version
Order No.	1046350000	Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00
GTIN (EAN)	4032248782055	Weidmüller, white
Qty.	800 ST	

Custom printing



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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 5/8 PLUS MC SDR	Version
Order No.	1046370000	Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00
GTIN (EAN)	4032248782079	Weidmüller, To customer specification
Qty.	160 ST	

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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 ST	

Marker holder



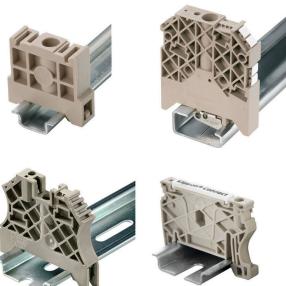
The marker holder offer the possibility of additional mounting of standard markers with a pitch of 5 or 5.1 mm. The angled holders can be optionally snaped together and could be mounted in all standard marking channels of the Klippon® Connect modular terminal blocks. Fitting marker types could be found 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 ST	
Type	BZT 1 ZA WS 10/5	Version
Order No.	1805520000	Accessories, Marker holder
GTIN (EAN)	4032248270248	
Qty.	100 ST	

Accessories

End bracket



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	MEW 1/32	Version
Order No.	0445600000	End bracket, grey, TS 32, None, Steel, Width: 10.5 mm, 100 °C
GTIN (EAN)	4008190178093	
Qty.	20 ST	
Type	EWK 1 PPS/SW	Version
Order No.	0693060000	End bracket, black, TS 32, V-0, PPS, Width: 7.5 mm, 160 °C
GTIN (EAN)	4008190071806	
Qty.	50 ST	