

**SAKH 6 EP/SW****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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 <sup>2</sup> , 41 A, 1000 V, Number of connections: 2, Number of levels: 1, TS 32, V-0, Epoxy resin, EP, 160 °C
Order No.	<a href="#">0126600000</a>
Type	SAKH 6 EP/SW
GTIN (EAN)	4008190121471
Qty.	50 pc(s).

## SAKH 6 EP/SW

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## Technical data

## Dimensions and weights

Depth	76.5 mm	Depth (inches)	3.012 inch
Height	57 mm	Height (inches)	2.244 inch
Width	14 mm	Width (inches)	0.551 inch
Net weight	49.24 g		

## Temperatures

Storage temperature		Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity
	-25 °C...55 °C		
Continuous operating temp., min.	-60 °C	Continuous operating temp., max.	160 °C

## Material data

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

## Rating data IECEx/ATEX

Certificate No. (ATEX)	TUEV18ATEX8206U	Certificate No. (IECEX)	IECEXTUR18.0016U
Max. voltage (ATEX)	1100 V	Current (ATEX)	50 A
Wire cross section max. (ATEX)	10 mm <sup>2</sup>	Max. voltage (IECEX)	1100 V
Current (IECEX)	50 A	Wire cross section max. (IECEX)	10 mm <sup>2</sup>
Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Marking EN 60079-7	
Ex 2014/34/EU label	II 2 G D		Ex eb II C Gb

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

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## Technical data

## Conductors for clamping (additional connection)

Connection type, additional connection Screw connection

## Conductors for clamping (rated connection)

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

## General

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

## Rating data

Rated cross-section	6 mm <sup>2</sup>	Rated voltage	1,000 V
Rated DC voltage	1,000 V	Rated 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
Power loss in accordance with IEC 60947-7-x	1.31 W	Pollution severity	3

## UL rating data

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

## 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	<a href="#">Attestation Of Conformity</a> <a href="#">UKCA Ex Attestation of Conformity</a> <a href="#">CB Test Certificate</a> <a href="#">CB Certificate</a> <a href="#">IECEX Certificate</a> <a href="#">CCC Ex Certificate</a> <a href="#">UKCA Ex Certificate</a> <a href="#">Declaration of Conformity</a> <a href="#">UKCA declaration of conformity</a>
Engineering Data	<a href="#">CAD data – STEP</a>
User Documentation	<a href="#">StorageConditionsTerminalBlocks</a> <a href="#">NTI SAKH 6 EP SW</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

## SAKH 6 EP/SW

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## Accessories

## 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.

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 5/8 PLUS MC NE WS	Version
Order No.	<a href="#">1046350000</a>	Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00
GTIN (EAN)	4032248782055	Weidmueller, white
Qty.	800 pc(s).	

## Blank



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## General ordering data

Type	DEK 5/8 MC NE WS	Version
Order No.	<a href="#">1856740000</a>	Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00
GTIN (EAN)	4032248400850	Weidmueller, white
Qty.	800 pc(s).	

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[www.weidmueller.com](http://www.weidmueller.com)**Accessories****QL / SAK 35**

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 SAK35	Version
Order No.	<a href="#">0123800000</a>	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 pc(s).	
Type	QL 2 SAK35	Version
Order No.	<a href="#">0123600000</a>	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 pc(s).	
Type	QL 3 SAK35	Version
Order No.	<a href="#">0123700000</a>	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 pc(s).	
Type	QL 10 SAK35	Version
Order No.	<a href="#">0338600000</a>	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 pc(s).	

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[www.weidmueller.com](http://www.weidmueller.com)**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 5/8 MC SDR	Version
Order No.	<a href="#">1856750000</a>	Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00
GTIN (EAN)	4032248400867	Weidmueller, To customer specification
Qty.	160 pc(s).	
Type	DEK 5/8 PLUS MC SDR	Version
Order No.	<a href="#">1046370000</a>	Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00
GTIN (EAN)	4032248782079	Weidmueller, To customer specification
Qty.	160 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.	<a href="#">2007130000</a>	Dekafix, Terminal marker, 5 x 8 mm, Weidmueller, white
GTIN (EAN)	4050118392012	
Qty.	500 pc(s).	



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## Accessories

## Blank



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- Terminal markers, suitable for all Weidmüller cable connectors
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## General ordering data

Type	DEK 5/5 MC NE WS	Version
Order No.	<a href="#">1609801044</a>	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4008190397111	Weidmueller, white
Qty.	1,000 pc(s).	

## Screws



Depending on the terminal block or also accessories, we offer different types of screws as additional items or also spare parts.

## General ordering data

Type	BFSC M4X30	Version
Order No.	<a href="#">0267100000</a>	Mounting screw (Terminal), 4.00 mm, Steel, Depth: 7 mm, Width: 7 mm, Height: 30 mm
GTIN (EAN)	4008190187897	
Qty.	50 pc(s).	

## SAKH 6 EP/SW

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## Accessories

## QL mounting screws



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	KISC M3X20.5/10 EK4	Version
Order No.	<a href="#">0303000000</a>	Clamping yoke, Mounting screw, Steel
GTIN (EAN)	4008190163686	
Qty.	100 pc(s).	

## QL / SAKH 10



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 2 SAKH10	Version
Order No.	<a href="#">0131400000</a>	Cross-connector (terminal), when screwed in, grey, 36 A, Number of poles: 2, Pitch in mm (P): 14.00, Insulated: No, Width: 16.9 mm
GTIN (EAN)	4008190114237	
Qty.	50 pc(s).	
Type	QL 3 SAKH10	Version
Order No.	<a href="#">0131500000</a>	Cross-connector (terminal), when screwed in, grey, 36 A, Number of poles: 3, Pitch in mm (P): 14.00, Insulated: No, Width: 26.8 mm
GTIN (EAN)	4008190056490	
Qty.	50 pc(s).	

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## Accessories

## 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 17/D6/4/M4 SAKC10	Version
Order No.	<a href="#">0147100000</a>	SAK Series, Socket
GTIN (EAN)	4008190183042	
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 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.	<a href="#">1805520000</a>	Accessories, Marker holder
GTIN (EAN)	4032248270248	
Qty.	100 pc(s).	
Type	BZT 1 WS 10/5	Version
Order No.	<a href="#">1805490000</a>	Accessories, Marker holder
GTIN (EAN)	4032248270231	
Qty.	100 pc(s).	

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## Accessories

## Connection sleeves



## General ordering data

Type	VH 17/8.2/5.2	Version
Order No.	<a href="#">0267000000</a>	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 pc(s).	
Type	VH 12/4.9/3.3	Version
Order No.	<a href="#">0249000000</a>	Connecting sleeve (terminal), when screwed in, Width: 4.9, Height:
GTIN (EAN)	4008190129507	4.9 mm, Depth: 12 mm, Copper
Qty.	100 pc(s).	

## Blank



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- 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 5/6.5 MC NE WS	Version
Order No.	<a href="#">1609840000</a>	Dekafix, Terminal marker, 5 x 6.5 mm, Pitch in mm (P): 6.50
GTIN (EAN)	4008190203429	Weidmueller, white
Qty.	900 pc(s).	

## SAKH 6 EP/SW

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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	TST PPT/35	Version
Order No.	<a href="#">3835360000</a>	Mounting foot for mounting rail, Anthracite, PA 66, without, Width: 10
GTIN (EAN)	4008190542641	mm
Qty.	10 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 PPS/SW	Version
Order No.	<a href="#">0693060000</a>	End bracket, black, TS 32, V-0, Width: 7.5 mm, 160 °C
GTIN (EAN)	4008190071806	
Qty.	50 pc(s).	
Type	MEW 1/32	Version
Order No.	<a href="#">0445600000</a>	End bracket, grey, TS 32, None, Steel, Width: 10.5 mm, 100 °C
GTIN (EAN)	4008190178093	
Qty.	20 pc(s).	

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## Accessories

## Fixing screws



Fixing screws fix the short current bridge within the application. If the short current bridge is slid between two adjacent terminal blocks into the short circuit position, it can be fixed by means of a fastening screw. This ensures a permanent connection or short circuit.

## General ordering data

Type	KISC M3X20 SAK10 CU5	Version
Order No.	<a href="#">0377100000</a>	SAK Series, Mounting screw, Copper
GTIN (EAN)	4008190060350	
Qty.	100 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 SAK4-10 EP/SW	Version
Order No.	<a href="#">0130100000</a>	Partition plate (terminal), black, Height: 50 mm, Width: 2.53 mm, V-0,
GTIN (EAN)	4008190407599	Epoxy resin, EP
Qty.	20 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	AP PPT/35	Version
Order No.	<a href="#">3835120000</a>	End plate (terminals), Anthracite, Height: 138 mm, Width: 3 mm, V-2
GTIN (EAN)	4008190003364	
Qty.	10 pc(s).	
Type	AP SAKH6/10 EP/SW	Version
Order No.	<a href="#">0131700000</a>	End plate (terminals), black, Height: 58 mm, Width: 4 mm, V-0, Epoxy resin, EP
GTIN (EAN)	4008190174880	
Qty.	20 pc(s).	

## Custom printing



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## General ordering data

Type	DEK 5/6.5 MC SDR	Version
Order No.	<a href="#">1609850000</a>	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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[www.weidmueller.com](http://www.weidmueller.com)**Accessories****Test plugs**

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**General ordering data**

Type	PS 4 F.STB 4	Version
Order No.	<a href="#">0299600000</a>	Test adapter (terminal), 230 V
GTIN (EAN)	4008190074043	
Qty.	20 pc(s).	