

**SAKH 35 EP/SW****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 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, 35 mm <sup>2</sup> , 125 A, 1000 V, Number of connections: 2, Number of levels: 1, TS 32, V-0, Epoxy resin, EP, 160 °C
Order No.	<a href="#">1596240000</a>
Type	SAKH 35 EP/SW
GTIN (EAN)	4008190093570
Qty.	20 pc(s).

Creation date August 28, 2024 7:46:21 AM CEST

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

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## Technical data

## Dimensions and weights

Depth	87.5 mm	Depth (inches)	3.445 inch
Height	74 mm	Height (inches)	2.913 inch
Width	23 mm	Width (inches)	0.906 inch
Net weight	141.7 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)	125 A
Wire cross section max. (ATEX)	35 mm <sup>2</sup>	Max. voltage (IECEX)	1100 V
Current (IECEX)	125 A	Wire cross section max. (IECEX)	35 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, One end without connector	End cover plate required	No
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	Yes	Number of similar terminals	1
Open sides	closed	Type of mounting	Snap-on

## CSA rating data

Certificate No. (CSA)	200039-1501714	Current size B (CSA)	125 A
Current size C (CSA)	125 A	Current size D (CSA)	5 A
Voltage size B (CSA)	600 V	Voltage size C (CSA)	1500 V
Voltage size D (CSA)	600 V	Wire cross section max. (CSA)	2 AWG
Wire cross section min. (CSA)	12 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	6.5 x 1.2 mm	Clamping range, max.	50 mm <sup>2</sup>
Clamping range, min.	4 mm <sup>2</sup>	Clamping screw	M 6
Connection cross-section, stranded, max.	50 mm <sup>2</sup>	Connection cross-section, stranded, min.	16 mm <sup>2</sup>
Connection direction	on side	Gauge to IEC 60947-1	B8
Number of connections	2	Stripping length	18 mm
Tightening torque, max.	4.4 Nm	Tightening torque, min.	2.5 Nm
Twin wire-end ferrules, max.	16 mm <sup>2</sup>	Twin wire-end ferrules, min.	1.5 mm <sup>2</sup>
Type of connection	Screw connection	Wire connection cross section AWG, max.	AWG 2
Wire connection cross section AWG, min.	AWG 12	Wire connection cross section, finely stranded, max.	35 mm <sup>2</sup>
Wire connection cross section, finely stranded, min.	4 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	35 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	4 mm <sup>2</sup>	Wire connection cross-section, solid core, max.	16 mm <sup>2</sup>
Wire connection cross-section, solid core, min.	4 mm <sup>2</sup>		

## General

Rail	TS 32	Standards	IEC 60947-7-1
Wire connection cross section AWG, max.	AWG 2	Wire connection cross section AWG, min.	AWG 12

## Rating data

Rated cross-section	35 mm <sup>2</sup>	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	Current size B (UR)	115 A
Current size C (UR)	115 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)	2 AWG
Wire cross section min. (UR)	12 AWG		

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## Technical data

## 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

## 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 35 EP SW</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

## SAKH 35 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).		

## Custom printing



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### General ordering data

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

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).	

## 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).	

## 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: 8 mm, Depth: 17 mm, Number of poles: 1, Cu Zn
GTIN (EAN)	4008190146986	
Qty.	50 pc(s).	

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## Accessories

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).	

## Marker holder



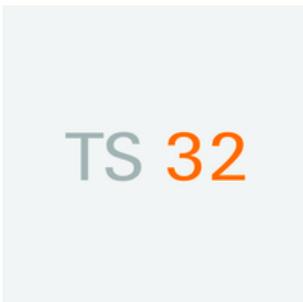
The marker holder offer the possibility of additional mounting of standard markers with a pitch of 5 or 5.1 mm. The angled holders can be optionally snapped together and could be mounted in all standard marking channels of the Klippon® Connect modular terminal blocks. Fitting marker types could be found 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).	

## 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	WEW 32/1 LCP/NA	Version
Order No.	<a href="#">1067660000</a>	End bracket, Light Grey, TS 32, V-0, Wemid, Width: 12.2 mm, 130 °C
GTIN (EAN)	4008190072353	
Qty.	50 pc(s).	

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# Accessories

## QL / SAK 35

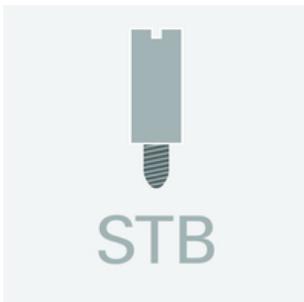
Screwable cross-connections are easy to mount and de mount. Thanks to the big contact surface, even high currents can be transmitted with maximum contact reliability.



### General ordering data

Type	QL 10 SAK35	Version
Order No.	<a href="#">0338600000</a>	Cross-connector (terminal), when screwed in, grey, 99 A, Number of poles: 10, Pitch in mm (P): 18.00, Insulated: No, Width: 171.4 mm
GTIN (EAN)	4008190106133	
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 poles: 2, Pitch in mm (P): 8.00, Insulated: No, Width: 27.8 mm
GTIN (EAN)	4008190092566	
Qty.	20 pc(s).	
Type	QL 4 SAK35	Version
Order No.	<a href="#">0123800000</a>	Cross-connector (terminal), when screwed in, grey, 99 A, Number of poles: 4, Pitch in mm (P): 8.00, Insulated: No, Width: 63.8 mm
GTIN (EAN)	4008190165390	
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 poles: 3, Pitch in mm (P): 18.00, Insulated: No, Width: 45.8 mm
GTIN (EAN)	4008190182526	
Qty.	20 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 17/D6/4/M4 SAKC10	Version
Order No.	<a href="#">0147100000</a>	SAK Series, Socket
GTIN (EAN)	4008190183042	
Qty.	50 pc(s).	

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## 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 5/6.5 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).		

## Blank



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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).		

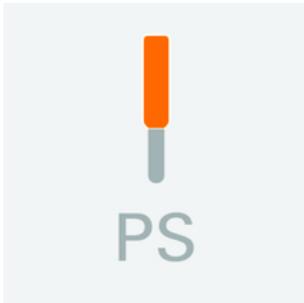
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**Accessories**

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

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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).	

**Blank**



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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).	

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**Accessories**

**Fixing screws**



Fixing screws fix the short current bridge within the application. If the short current bridge is slided 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 SAK 10 CU5	Version
Order No.	<a href="#">0377100000</a>	SAK Series, Mounting screw, Copper
GTIN (EAN)	4008190060350	
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.	<a href="#">2007130000</a>	Dekafix, Terminal marker, 5 x 8 mm, Weidmueller, white
GTIN (EAN)	4050118392012	
Qty.	500 pc(s).	