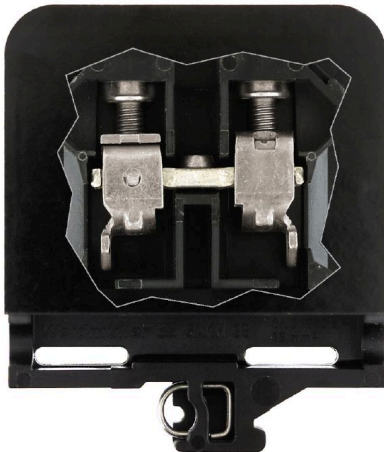


SAKH 35 EP/SW**Weidmüller Interface GmbH & Co. KG**Klingenbergstraße 26
D-32758 Detmold
Germany

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 ² , 125 A, 1000 V, Number of connections: 2
Order No.	1596240000
Type	SAKH 35 EP/SW
GTIN (EAN)	4008190093570
Qty.	20 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	87.5 mm	Depth (inches)	3.4449 inch
Height	74 mm	Height (inches)	2.9134 inch
Width	23 mm	Width (inches)	0.9055 inch
Net weight	141.7 g		

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-5 °C...40 °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)	IECEXTUR18.0016U
Max. voltage (ATEX)	1100 V	Current (ATEX)	125 A
Wire cross section max. (ATEX)	35 mm ²	Max. voltage (IECEX)	1100 V
Current (IECEX)	125 A	Wire cross section max. (IECEX)	35 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, 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
Mounting rail	TS 32	N-function	No
PE function	No	PEN function	No

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Technical data

Additional technical data

Open sides	closed	Number of similar terminals	1
Explosion-tested version	Yes	Type of mounting	Snap-on

CSA rating data

Wire cross section max. (CSA)	2 AWG	Voltage size C (CSA)	1500 V
Current size C (CSA)	125 A	Certificate No. (CSA)	200039-1501714
Voltage size B (CSA)	600 V	Current size B (CSA)	125 A
Voltage size D (CSA)	600 V	Current size D (CSA)	5 A
Wire cross section min. (CSA)	12 AWG		

Conductors for clamping (additional connection)

Connection type, additional connection	Screw connection
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Conductors for clamping (rated connection)

Gauge to IEC 60947-1	B8	Wire connection cross section AWG, max.	AWG 2
Connection direction	on side	Tightening torque, max.	4.4 Nm
Tightening torque, min.	2.5 Nm	Stripping length	18 mm
Type of connection	Screw connection	Number of connections	2
Clamping range, max.	50 mm ²	Clamping range, min.	4 mm ²
Clamping screw	M 6	Blade size	6.5 x 1.2 mm
Wire connection cross section AWG, min.	AWG 12	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	35 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	4 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	35 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	4 mm ²	Wire connection cross section, finely stranded, max.	35 mm ²
Wire connection cross section, finely stranded, min.	4 mm ²	Connection cross-section, stranded, max.	50 mm ²
Connection cross-section, stranded, min.	4 mm ²	Twin wire-end ferrules, max.	16 mm ²
Twin wire-end ferrules, min.	1.5 mm ²	Wire connection cross-section, solid core, max.	16 mm ²
Wire connection cross-section, solid core, min.	4 mm ²	Connection cross-section, finely stranded, min.	4 mm ²

General

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

Rating data

Rated cross-section	35 mm ²	Rated voltage	1000 V
Rated DC voltage	1000 V	Nominal 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	4.00 W	Pollution severity	3

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Technical data

UL rating data

Voltage size B (UR)	600 V	Wire cross section min. (UR)	12 AWG
Current size B (UR)	115 A	Wire cross section max. (UR)	2 AWG
Current size D (UR)	5 A	Current size C (UR)	115 A
Voltage size C (UR)	600 V	Certificate No. (UR)	E60693
Voltage size D (UR)	600 V		

Classifications

ETIM 6.0	EC000897	ETIM 7.0	EC000897
ETIM 8.0	EC000897	ETIM 9.0	EC000897
ETIM 10.0	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
ECLASS 15.0	27-25-01-01		

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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	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	

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 3 SAK35	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	

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	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	

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Accessories

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



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	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	

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 5/6.5 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 ST	

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Accessories

Custom printing



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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	Weidmueller, To customer specification
Qty.	180 ST	

Blank



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

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	Weidmueller, white
Qty.	800 ST	
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.	1000 ST	

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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	KISC M3X20.5/10 EK4	Version	
Order No.	0303000000	Clamping yoke, Mounting screw, Steel	
GTIN (EAN)	4008190163686		
Qty.	100 ST		

Accessorie



Current and voltage transformer wiring
Our test disconnect terminal blocks featuring spring and screw connection technology allow you to create all the important converter circuits for measuring current, voltage and power in a safe and sophisticated way.

General ordering data

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

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		

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Accessories

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

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
- 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.	1046350000	Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00
GTIN (EAN)	4032248782055	Weidmueller, white
Qty.	800 ST	

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Accessories

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.

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

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	

SAKH 35 EP/SW

Weidmüller Interface GmbH & Co. KG

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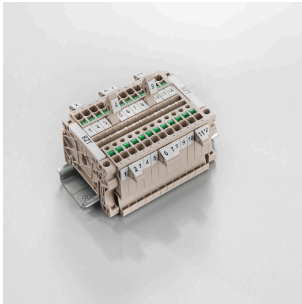
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Accessories

Marker holder

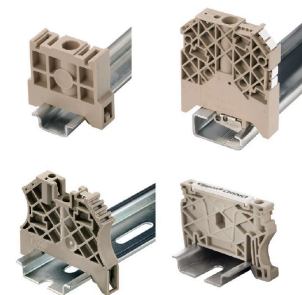


The marker holder offer the possibility of additional mounting of standard markers with a pitch of 5 or 5.1 mm. The angled holders can be optionally snapped together and could be mounted in all standard marking channels of the Klippon® Connect modular terminal blocks. Fitting marker types could be found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

General ordering data

Type	BZT 1 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	

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	WEW 32/1 LCP/NA	Version
Order No.	1067660000	End bracket, Light Grey, TS 32, V-O, Wemid, Width: 12.2 mm, 130 °C
GTIN (EAN)	4008190072353	
Qty.	50 ST	