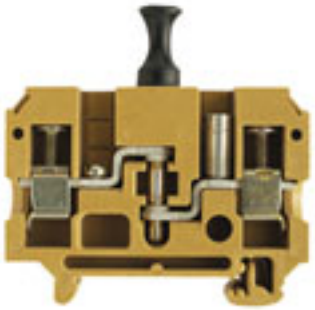
SAKC 10/35 1STB4 KRG

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

www.weidmueller.com

Product image



In some applications it makes sense to add a test point or a disconnect element to the feed through terminal for testing and safety purposes. With test disconnect terminals you measure electric circuits in the absence of voltage. While the disconnecting points clearance and creepage distance is not assessed in dimensional terms, the specified rated impulse voltage strength must be proven.

General ordering data

Version	Test-disconnect terminal, Screw connection, medium yellow, 10 mm², 27 A, 500 V, Number of connections: 2, Number of levels: 1, TS 35, V-0, 5VA, KrG
Order No.	1404520000
Type	SAKC 10/35 1STB4 KRG
GTIN (EAN)	4008190170400
Qty.	50 pc(s).

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Technical data

Dimensions and weights

Depth	48.5 mm	Depth (inches)	1.909 inch
Height	65 mm	Height (inches)	2.559 inch
Width	12 mm	Width (inches)	0.472 inch
Net weight	48.12 g		

Temperatures

Storage temperature	-25 °C...55 °C	Continuous operating temp., min.	-60 °C
Continuous operating temp., max.	130 °C		

Material data

Material	KrG	Colour	medium yellow
UL 94 flammability rating	V-0, 5VA		

System specifications

Version	Screw connection, Spacer, With sockets, 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	No
PE function	No	PEN function	No

Additional technical data

Explosion-tested version	No	Installation advice	Direct mounting
Open sides	right	Type of mounting	Snap-on

CSA rating data

Certificate No. (CSA)	12400-186	Current size C (CSA)	25 A
Current size D (CSA)	5 A	Voltage size C (CSA)	600 V
Voltage size D (CSA)	600 V	Wire cross section max. (CSA)	10 AWG
Wire cross section min. (CSA)	20 AWG		

Conductors for clamping (additional connection)

Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	10 mm²	Connection type, additional connection	Screw connection

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Technical data

Conductors for clamping (rated connection)

Blade size	1.0 x 5.5 mm	Clamping range, max.	10 mm²
Clamping range, min.	0.5 mm²	Clamping screw	M 4
Connection cross-section, stranded, max.	10 mm²	Connection cross-section, stranded, min.	1.5 mm²
Connection direction	on side	Gauge to IEC 60947-1	B6
Number of connections	2	Stripping length	12 mm
Tightening torque, max.	2.4 Nm	Tightening torque, min.	1.2 Nm
Torque level with DMS electric screwdriver	4	Type of connection	Screw connection
Type of connection 2	Screw connection	Wire connection cross section, finely stranded, max.	10 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.	10 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.	10 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.	16 mm²
Wire connection cross-section, solid core, min.	0.5 mm²		

Disconnect terminals

Cross-disconnect	without	Integral test socket	Yes
Slitting	pluggable		

General

Installation advice	Direct mounting	Rail	TS 35
Standards	IEC 60947-7-1		

Rating data

Rated cross-section	10 mm²	Rated voltage	500 V
Rated DC voltage	500 V	Rated current	27 A
Current at maximum wires	27 A	Standards	IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	0.56 mΩ	Rated impulse withstand voltage	6 kV
Power loss in accordance with IEC 60947-7-x	1.82 W	Pollution severity	3

UL rating data

Certificate No. (UR)	E60693	Conductor size Factory wiring max. (UR)	8 AWG
Conductor size Factory wiring min. (UR)	26 AWG	Conductor size Field wiring max. (UR)	8 AWG
Conductor size Field wiring min. (UR)	22 AWG	Current size C (UR)	25 A
Voltage size C (UR)	600 V		

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Technical data

Classifications

ETIM 6.0	EC000902	ETIM 7.0	EC000902
ETIM 8.0	EC000902	ETIM 9.0	EC000902
ECLASS 9.0	27-14-11-26	ECLASS 9.1	27-14-11-26
ECLASS 10.0	27-14-11-26	ECLASS 11.0	27-14-11-26
ECLASS 12.0	27-14-11-26	ECLASS 13.0	27-25-01-09
ECLASS 14.0	27-25-01-09		

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	999cd67e-471e-4085-8dba-1342fcea86de
RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c

Approvals

Approvals

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

Downloads

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

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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

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 pc(s).	

End plate

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	TW SAKB/C/T	Version
Order No.	0242920000	Partition plate (terminal), beige, Height: 75 mm, Width: 3 mm, V-2, PA
GTIN (EAN)	4008190069933	66
Qty.	20 pc(s).	

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Accessories

Miscellaneous

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	SS M4 D 128-A 4	Version
Order No.	0136400000	Lock washer, Copper
GTIN (EAN)	4008190118143	
Qty.	100 pc(s).	

QL / SAKA

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 3 SAKA10	Version
Order No.	0135600000	Cross-connector (terminal), when screwed in, grey, 36 A, Number of
GTIN (EAN)	4008190032081	poles: 3, Pitch in mm (P): 12.00, Insulated: No, Width: 31.8 mm
Qty.	50 pc(s).	
Type	QL 10 SAKA10	Version
Order No.	0338500000	Cross-connector (terminal), when screwed in, grey, 57 A, Number of
GTIN (EAN)	4008190063313	poles: 10, Pitch in mm (P): 6.00, Insulated: No, Width: 115.1 mm
Qty.	20 pc(s).	
Type	QL 2 SAKA10	Version
Order No.	0135500000	Cross-connector (terminal), when screwed in, grey, 32 A, Number of
GTIN (EAN)	4008190099404	poles: 2, Pitch in mm (P): 12.00, Insulated: No, Width: 19.9 mm
Qty.	50 pc(s).	
Type	QL 4 SAKA10	Version
Order No.	0135700000	Cross-connector (terminal), when screwed in, grey, 36 A, Number of
GTIN (EAN)	4008190118822	poles: 4, Pitch in mm (P): 12.00, Insulated: No, Width: 43.7 mm
Qty.	50 pc(s).	

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Accessories

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	TW SAKB/C/T1	Version
Order No.	0242960000	Partition plate (terminal), beige, Height: 75 mm, Width: 1.5 mm, V-2,
GTIN (EAN)	4008190104092	PA 66
Qty.	20 pc(s).	

Type	AP SAKB/C/T KRG	Version
Order No.	0146720000	End plate (terminals), dark beige, yellow, Height: 65 mm, Width: 3
GTIN (EAN)	4008190027995	mm, V-0, KrG
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 M4X20	Version
Order No.	0362800000	Mounting screw (Terminal), 4.00 mm, Steel, Depth: 7 mm, Width: 7
GTIN (EAN)	4008190114053	mm, Height: 20 mm
Qty.	100 pc(s).	

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Accessories

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 5/6.5 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 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 4 F.STB 4	Version
Order No.	0299600000	Test adapter (terminal), 230 V
GTIN (EAN)	4008190074043	
Qty.	20 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 13.5/D6/4/M4 SAKA10	Version
Order No.	0135200000	SAK Series, Socket
GTIN (EAN)	4008190172862	
Qty.	50 pc(s).	

SchT group marker carrier

The SchT 5 S group tag carriers are clipped directly onto the TS 32 mounting rail (G-rail) or the TS 35 mounting rail (top-hat rail). It is therefore possible to label the terminal strip irrespective of the terminal and the type of terminal. SchT 5 and SchT 5 S are fitted with ESO 5, STR 5 protective strips.
The SchT 7 is a hinged group tag carrier for inlay tags which enables easy access to the clamping screw.
The SchT 7 is fitted with ESO 7, STR 7 protective strips or DEK 5.
Inlay tags and protective strips can be found under "Accessories".

General ordering data

Type	SCHT 7	Version
Order No.	0517960000	SCHT, Terminal marker, 39.3 x 8 mm, Pitch in mm (P): 7.00
GTIN (EAN)	4008190001742	Weidmueller, white
Qty.	20 pc(s).	

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Accessories

Connection sleeves

General ordering data

Type	VH 13.6/6.3/4.3	Version
Order No.	0299700000	Connecting sleeve (terminal), when screwed in, Width: 7 mm, Height:
GTIN (EAN)	4008190018313	7 mm, Depth: 13.6 mm, Number of poles: 1, Cu Zn
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 WS 10/5	Version
Order No.	1805490000	Accessories, Marker holder
GTIN (EAN)	4032248270231	
Qty.	100 pc(s).	
Type	BZT 1 ZA WS 10/5	Version
Order No.	1805520000	Accessories, Marker holder
GTIN (EAN)	4032248270248	
Qty.	100 pc(s).	