SAKT 1/DU2

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	SAK Series, Feed-through terminal, Rated cross-section: 6 mm², Screw connection, medium yellow, Direct mounting
Order No.	0550420000
Type	SAKT 1/DU2
GTIN (EAN)	4008190140373
Qty.	50 pc(s).
Delivery status	Discontinued
Available until	2022-12-31
Alternative product	2710090000

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Technical data

Dimensions and weights

Depth	52.5 mm	Depth (inches)	2.067 inch
Height	65 mm	Height (inches)	2.559 inch
Width	8 mm	Width (inches)	0.315 inch
Net weight	23.56 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, for screwable cross-connection, in closed state	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	Installation advice	Direct mounting
Number of similar terminals	1	Open sides	right
Type of mounting	Snap-on		

Conductors for clamping (rated connection)

Blade size	4.0 x 0.8 mm	Clamping range, max.	10 mm²
Clamping range, min.	0.13 mm²	Clamping screw	M 3.5
Connection cross-section, stranded, max.	10 mm²	Connection cross-section, stranded, min.	1.5 mm²
Connection direction	on side	Gauge to IEC 60947-1	A5
Number of connections	2	Stripping length	12 mm
Tightening torque, max.	1.6 Nm	Tightening torque, min.	0.8 Nm
Torque level with DMS electric screwdriver	3	Type of connection	Screw connection
Wire connection cross section AWG, max.	AWG 8	Wire connection cross section AWG, min.	AWG 26
Wire connection cross section, finely stranded, max.	6 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.	6 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm²
Wire connection cross-section, solid core, max.	10 mm²	Wire connection cross-section, solid core, min.	0.5 mm²

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SAKT 1/DU2

Technical data

General

Installation advice	Direct mounting	Rail	TS 32
Standards		Wire connection cross section AWG, max.	
	IEC 60947-7-1		AWG 8
Wire connection cross section AWG, min.	AWG 26		

Rating data

Rated cross-section	6 mm²	Rated voltage	400 V
Rated DC voltage	400 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	6 kV
Power loss in accordance with IEC 60947-7-x	1.31 W	Pollution severity	3

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

Approvals

Approvals

CE UKCA

ROHS	Conform

Downloads

Approval/Certificate/Document of Conformity	Declaration of Conformity
Engineering Data	CAD data – STEP
User Documentation	StorageConditionsTerminalBlocks
Catalogues	Catalogues in PDF-format

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SAKT 1/DU2

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	SAK Series, Partition plate, 1.5 mm, beige, Direct mounting	
GTIN (EAN)	4008190104092		
Qty.	20 pc(s).		
Type	AP SAKB/C/T KRG	Version	
Order No.	0146720000	SAK Series, End plate, 3 mm, dark beige, yellow, Direct mounting	
GTIN (EAN)	4008190027995		
Qty.	20 pc(s).		

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	BS 25 IH/GE SAKT1	Version	
Order No.	0335700000	SAK Series, Set of fixings	
GTIN (EAN)	4008190189235		
Qty.	50 pc(s).		
Type	KISC M3X20 SAK10 CU5	Version	
Order No.	0377100000	SAK Series, Mounting screw, Copper	
GTIN (EAN)	4008190060350		
Qty.	100 pc(s).		
Type	BS 25 IH/GR SAKT1	Version	
Order No.	0335300000	SAK Series, Set of fixings	
GTIN (EAN)	4008190136864		
Qty.	50 pc(s).		
Type	BS 25 IH/RT SAKT1	Version	
Order No.	0335500000	SAK Series, Set of fixings	
GTIN (EAN)	4008190118877		
Qty.	50 pc(s).		

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Data sheet

SAKT 1/DU2

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

www.weidmueller.com

Accessories

Type	BS 25 IH/SW SAKT1	Version	
Order No.	0335200000	SAK Series, Set of fixings	
GTIN (EAN)	4008190114039		
Qty.	50 pc(s).		

Z-Series

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	ZEW 35/2	Version	
Order No.	8630740000	Z-series, End bracket	
GTIN (EAN)	4032248348916		
Qty.	20 pc(s).		
Type	ZEW 35	Version	
Order No.	9540000000	Z-series, End bracket	
GTIN (EAN)	4008190956264		
Qty.	20 pc(s).		

Test sockets

The test socket is used to connect test devices with a standard 4.0 plug. Depending on the potential within the application, different colors of the test sockets can be selected for quick and easy maintenance work.

General ordering data

Type	STB 21.6/IH/GN WTL6/3	Version	
Order No.	1071020000	Accessories, Socket	
GTIN (EAN)	4008190259228		
Qty.	50 pc(s).		
Type	STB 36.8/IH/DB WTL6/1	Version	
Order No.	1847740000	Accessories, Socket	
GTIN (EAN)	4032248379187		
Qty.	50 pc(s).		
Type	STB 21.6/IH/VI WTL6/3	Version	
Order No.	1071030000	Accessories, Socket	
GTIN (EAN)	4008190259235		
Qty.	50 pc(s).		

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Accessories

Type	STB 36.8/IH/BL WTL6/1	Version	
Order No.	1847790000	Accessories, Socket	
GTIN (EAN)	4032248379149		
Qty.	50 pc(s).		
Type	STB 21.6/IH/DB WTL6/3	Version	
Order No.	1071000000	Accessories, Socket	
GTIN (EAN)	4008190259204		
Qty.	50 pc(s).		
Type	STB 36.8/IH/GN WTL6/1	Version	
Order No.	1847770000	Accessories, Socket	
GTIN (EAN)	4032248379163		
Qty.	50 pc(s).		
Type	STB 21.6/IH/BL WTL6/3	Version	
Order No.	1071080000	Accessories, Socket	
GTIN (EAN)	4008190043957		
Qty.	50 pc(s).		
Type	STB 21.6/IH/SW WTL6/3	Version	
Order No.	1071040000	Accessories, Socket	
GTIN (EAN)	4008190859985		
Qty.	50 pc(s).		
Type	STB 36.8/IH/VI WTL6/1	Version	
Order No.	1847780000	Accessories, Socket	
GTIN (EAN)	4032248379156		
Qty.	50 pc(s).		
Type	STB 36.8/IH/GE WTL6/1	Version	
Order No.	1847760000	Accessories, Socket	
GTIN (EAN)	4032248379170		
Qty.	50 pc(s).		
Type	STB 21.6/IH/RT WTL6/3	Version	
Order No.	1778990000	Accessories, Socket	
GTIN (EAN)	4032248169665		
Qty.	50 pc(s).		
Type	STB 21.6/IH/GE WTL6/3	Version	
Order No.	1071010000	Accessories, Socket	
GTIN (EAN)	4008190259211		
Qty.	50 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.	0299600000	Accessories, Test plug	
GTIN (EAN)	4008190074043		
Qty.	20 pc(s).		

Shorting elements

The short current bridges are inserted into two instrument transformer wiring terminal blocks. By using the short-circuit bridge, the desired short-circuit could be realized within the application for maintenance work.

General ordering data

Type	QVS 3 SAKT1+2	Version	
Order No.	0329300000	SAK Series, Cross-connector, Cross-connector, Number of poles: 3	
GTIN (EAN)	4008190084714		
Qty.	20 pc(s).		
Type	QVS 2 SAKT1+2	Version	
Order No.	0307300000	SAK Series, Cross-connector, Cross-connector, Number of poles: 2	
GTIN (EAN)	4008190036140		
Qty.	20 pc(s).		
Type	QVS 2/S SAKT1+2	Version	
Order No.	0358460000	SAK Series, Cross-connector, Cross-connector, Number of poles: 2	
GTIN (EAN)	4008190157937		
Qty.	20 pc(s).		
Type	QVSK 2 SAKT1	Version	
Order No.	1670360000	SAK Series, Cross-connector, Cross-connector, Number of poles: 2	
GTIN (EAN)	4008190431242		
Qty.	20 pc(s).		

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SAKT 1/DU2

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 5/6.5 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).		

W-Series

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 35/2	Version	
Order No.	1061200000	W-Series, End bracket	
GTIN (EAN)	4008190030230		
Qty.	50 pc(s).		
Type	WEW 35/1	Version	
Order No.	1059000000	W-Series, End bracket	
GTIN (EAN)	4008190172282		
Qty.	50 pc(s).		

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Accessories

SAK-Series

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General ordering data

Type	EW 35 GR 7032	Version	
Order No.	0383530000		Accessories, End bracket
GTIN (EAN)	4008190027322		
Qty.	50 pc(s).		
Type	EW 35	Version	
Order No.	0383560000		Accessories, End bracket
GTIN (EAN)	4008190181314		
Qty.	50 pc(s).		
Type	EW 35/SCHA/M3	Version	
Order No.	0258660000		Accessories, End bracket
GTIN (EAN)	4008190033477		
Qty.	20 pc(s).		

QL / SAK 6N

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 15 SAK6N	Version	
Order No.	0221200000		SAK Series, Cross-connector, Cross-connector, Number of poles: 15
GTIN (EAN)	4008190042110		
Qty.	10 pc(s).		
Type	QL 4 SAK6N	Version	
Order No.	0194500000		SAK Series, Cross-connector, Cross-connector, Number of poles: 4
GTIN (EAN)	4008190025601		
Qty.	50 pc(s).		
Type	QL 3 SAK6N	Version	
Order No.	0194400000		SAK Series, Cross-connector, for cross-connection link, Number of
GTIN (EAN)	4008190063351		poles: 3
Qty.	50 pc(s).		

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Accessories

Type	QL 2 SAK6N	Version	
Order No.	0194300000	SAK Series, Cross-connector, for cross-connection link, Number of poles: 2	
GTIN (EAN)	4008190182854		
Qty.	50 pc(s).		
Type	QL 10 SAK6N	Version	
Order No.	0338300000	SAK Series, Cross-connector, for cross-connection link, Number of poles: 10	
GTIN (EAN)	4008190176679		
Qty.	20 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	EWK 1	Version	
Order No.	0206160000	Accessories, End bracket	
GTIN (EAN)	4008190080020		
Qty.	50 pc(s).		
Type	EWK 1 ALT	Version	
Order No.	0495160000	Accessories, End bracket	
GTIN (EAN)	4008190160777		
Qty.	50 pc(s).		
Type	WEW 32/1	Version	
Order No.	1067600000	W-Series, End bracket	
GTIN (EAN)	4008190099657		
Qty.	50 pc(s).		
Type	EWK 2	Version	
Order No.	0199360000	Accessories, End bracket	
GTIN (EAN)	4008190023546		
Qty.	50 pc(s).		

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SAKT 1/DU2

Accessories

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	SAK Series, Partition plate, 3 mm, beige, Direct mounting	
GTIN (EAN)	4008190069933		
Qty.	20 pc(s).		

Connection sleeves

General ordering data

Type	VH 12/4.9/3.3	Version	
Order No.	0249000000	SAK Series, Connecting sleeve, for cross-connection link, Number of	
GTIN (EAN)	4008190129507	poles:	
Qty.	100 pc(s).		
Type	VH 19/6.3/4.3	Version	
Order No.	0318000000	SAK Series, Connecting sleeve, for cross-connection link, Number of	
GTIN (EAN)	4008190059460	poles: 1	
Qty.	50 pc(s).		

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SAKT 1/DU2

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).		

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).		

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Weidmüller

SAKT 1/DU2

Accessories

TS 15

TS 15

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	EW 15	Version	
Order No.	0382860000	Accessories, End bracket	
GTIN (EAN)	4008190187804		
Qty.	50 pc(s).		
Type	EW 15/2	Version	
Order No.	1071900000	Accessories, End bracket	
GTIN (EAN)	4008190462949		
Qty.	50 pc(s).		
Type	ZEW 15	Version	
Order No.	7920340000	Accessories, End bracket	
GTIN (EAN)	4032248238910		
Qty.	20 pc(s).		

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