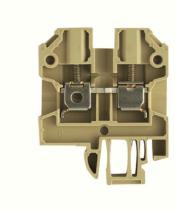


Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26 D-32758 Detmold Germany

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# **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, beige / yellow, 4 mm <sup>2</sup> , 32 A, 800 V, Number of connections: 2
Order No.	<u>0128360000</u>
Туре	SAK 4
GTIN (EAN)	4008190069346
Qty.	100 items





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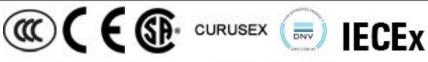
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# **Technical data**

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Approvals











	Total Columnia	(1) 1 (1) (1) (1) (1) (1) (1) (1) (1) (1	
ROHS	Conform		
UL File Number Search	<u>UL Website</u>		
Certificate No. (UR)	E60693		
Certificate No. (cURusEX)	F184763		

#### **Dimensions and weights**

Depth	51.5 mm	Depth (inches)	2.0276 inch
Height	40 mm	Height (inches)	1.5748 inch
Width	6.5 mm	Width (inches)	0.2559 inch
Net weight	7.78 g		

#### **Temperatures**

Storage temperature	-25 °C55 °C	Ambient temperature	-5 °C40 °C
Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	100 °C

# **Environmental Product Compliance**

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

# **Material data**

Basic material	PA 66	Colour	beige / yellow
UL 94 flammability rating	V-2	-	

# **Rating data IECEx/ATEX**

Certificate No. (ATEX)	TUEV18ATEX8207U	Certificate No. (IECEX)	IECEXTUR18.0017U
Max. voltage (ATEX)	550 V	Current (ATEX)	32 A
Wire cross section max. (ATEX)	6 mm²	Max. voltage (IECEX)	550 V
Current (IECEX)	32 A	Marking EN 60079-7	Ex eb II C Gb
Ex 2014/34/EU label	II 2 G D		

# 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
Mounting rail	TS 32	N-function	No
PE function	No	PEN function	No

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# Technical data

Additional technical data			
Open sides	right	Number of similar terminals	1
Explosion-tested version	Yes	Type of mounting	Snap-on
CSA rating data			
Mire erose section may (CCA)	10 AWG	Voltogo cizo C (CSA)	600 V
Wire cross section max. (CSA) Current size C (CSA)	36 A	Voltage size C (CSA)  Certificate No. (CSA)	12400-129
Wire cross section min. (CSA)	26 AWG	Certificate No. (CSA)	12400-129
Conductors for clamping (add			
conductors for stamping (and			
Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	4 mm²	Connection type, additional connection	Screw connection
Conductors for clamping (rat	ed connection)		
Gauge to IEC 60947-1	A4	Wire connection cross section AWG, max.	AWG 10
Connection direction	on side	Tightening torque, max.	0.5 Nm
Tightening torque, min.	0.5 Nm	Stripping length	12 mm
Type of connection	Screw connection	Number of connections	2
Clamping range, max.	6 mm <sup>2</sup>	Clamping range, min.	0.13 mm <sup>2</sup>
Clamping screw	M 3	Blade size	0.6 x 3.5 mm
Wire connection cross section AWG, min.	AWG 26	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	4 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.13 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	4 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.13 mm <sup>2</sup>	Wire connection cross section, finely stranded, max.	4 mm <sup>2</sup>
Wire connection cross section, finely stranded, min.	0.13 mm <sup>2</sup>	Connection cross-section, stranded, max.	4 mm²
Connection cross-section, stranded, mi	n. 0.13 mm²	Twin wire-end ferrules, max.	2.5 mm <sup>2</sup>
Twin wire-end ferrules, min.	0.5 mm <sup>2</sup>	Torque level with DMS electric screwdriver	2
Wire connection cross-section, solid core, max.	6 mm <sup>2</sup>	Wire connection cross-section, solid core, min.	0.13 mm <sup>2</sup>
Connection cross-section, finely stranded, min.	0.13 mm <sup>2</sup>		
General			
Wire connection cross section AWG,	AWG 10	Wire connection cross section AWG,	AWG 26
max. Standards	IEC 60947-7-1	min.  Mounting rail	TS 32
Rating data			.0 0_
Rated cross-section	4 mm <sup>2</sup>	Rated voltage	800 V
Rated DC voltage	800 V	Nominal current	32 A
Current at maximum wires	41 A	Standards	IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	1 mΩ	Rated impulse withstand voltage	8 kV
Power loss in accordance with IEC	1.02 W	Pollution severity	3

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60947-7-x





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# **Technical data**

# **UL** rating data

Conductor size Factory wiring r	max. (UR) 10 AWG	Current size C (UR)	30 A
Voltage size C (UR)	600 V	Conductor size Factory wiring min. (UR)	22 AWG
Certificate No. (UR)	E60693	Conductor size Field wiring min. (UR)	22 AWG
Conductor size Field wiring ma	x. (UR) 10 AWG		

# 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**

### **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 Q 2 SAK4
Order No. 0336700000
GTIN (EAN) 4008190033842
Oty. 50 ST

Version
Cross-connector (terminal), when screwed in, grey, 32 A, Number of poles: 2, Pitch in mm (P): 6.00, Insulated: No, Width: 11 mm

#### **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 Q 3 SAK4

Order No. 0336800000

GTIN (EAN) 4008190089795

Oty 50 ST

Version

Cross-connector (terminal), when screwed in, grey, 32 A, Number of poles: 3, Pitch in mm (P): 6.00, Insulated: No, Width: 18 mm

# 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 Q 4 SAK4
Order No. 0336900000
GTIN (EAN) 4008190036201
Qty. 50 ST

Version

Cross-connector (terminal), when screwed in, grey, 32 A, Number of poles: 4, Pitch in mm (P): 6.00, Insulated: No, Width: 24.5 mm

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# Accessories

Type	Q 10 SAK4	Version
Order No.	0368800000	Cross-connector (terminal), when screwed in, grey, 32 A, Number of
GTIN (EAN)	4008190049478	poles: 10, Pitch in mm (P): 6.00, Insulated: No, Width: 63.5 mm
Qty.	20 ST	

# **End plates and partition plates**



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**

Order No. OTIN (EAN) 4 Oty. 2	AP SAK4-10 DB <u>0105100000</u> 4008190394875	Version End plate for terminals, dark beige, Height: 40 mm, Width: 1.5 mm,
GTIN (EAN) 4 Oty. 2		End plate for terminals, dark beige, Height: 40 mm, Width: 1.5 mm,
Qty. 2	4008190394875	
,		V-0, Wemid, Snap-on: Yes
Type A	20 ST	
Type	AP SAK4-10 RT	Version
Order No.	<u>0117900000</u>	End plate for terminals, red, Height: 40 mm, Width: 1.5 mm, V-2, PA
GTIN (EAN) 4	4008190125059	66, Snap-on: Yes
Qty. 2	20 ST	
Туре	AP SAK4-10 I	Version
Order No.	<u>0117910000</u>	End plate for terminals, black, Height: 40 mm, Width: 1.5 mm, V-2, PA
GTIN (EAN) 4	4008190183707	66, Snap-on: Yes
Qty. 2	20 ST	
Туре	AP SAK4-10	Version
Order No.	<u>0117960000</u>	End plate for terminals, beige, Height: 40 mm, Width: 1.5 mm, V-2,
GTIN (EAN) 4	4008190081485	PA 66, Snap-on: Yes
Qty. 2	20 ST	
Туре	AP SAK4-10 BL	Version
Order No.	<u>0117980000</u>	End plate for terminals, blue, Height: 40 mm, Width: 1.5 mm, V-2, PA
GTIN (EAN) 4	4008190171087	66, Snap-on: Yes
Qty. 2	20 ST	
Туре Т	ΓW SAK4-10 HP/DBR/0.5	Version
Order No.	<u>0197100000</u>	Partition plate (terminal), brown, dark beige, Height: 40 mm, Width:
GTIN (EAN) 4	4008190146627	0.5 mm, V-2, PA 66
Qty. 2	20 ST	
Type T	ΓW 4 SAK4-10	Version
Order No.	<u>0130160000</u>	Partition plate (terminal), beige, Height: 50 mm, Width: 1.5 mm, V-2,
GTIN (EAN) 4	4008190096335	PA 66
Qty. 2	20 ST	
Type T	ΓW 4 SAK4-10 BL	Version
Order No.	<u>0130180000</u>	Partition plate (terminal), blue, Height: 50 mm, Width: 1.5 mm, V-2,
GTIN (EAN) 4	4008190114138	PA 66
	20 ST	



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# **Accessories**

Туре	TSCH 1	Version
Order No.	0319160000	Small partition (terminal), PA 66, beige, Continuous operating temp.,
GTIN (EAN)	4008190097219	max.: 100 °C
Qty.	100 ST	
Туре	TSCH 2	Version
Type Order No.	TSCH 2 0353660000	Version Small partition (terminal), PA 66, beige, Continuous operating temp.,

#### **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**

	<b>3</b>	
Туре	STB 14/D5/2.3/M3 SAK2.5	Version
Order No.	<u>0168600000</u>	SAK Series, Socket
GTIN (EAN)	4008190135225	
Qty.	50 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**

Туре	BFSC M3X22 PA/RT	Version
Order No.	0128900000	Mounting screw (Terminal), 3.00 mm, Polyamide 66, Depth: 4.8 mm,
GTIN (EAN)	4008190084158	Width: 4.8 mm, Height: 22 mm
Qty.	100 ST	
Туре	BFSC M3X25	Version
Type Order No.	BFSC M3X25 0292500000	Version  Mounting screw (Terminal), 3.00 mm, Steel, Depth: 4.8 mm, Width:

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# **Accessories**

#### Warning cover



Warning covers with a flash symbol provide more safety for man and machine. They are used where external voltage must be indicated within the application.

#### **General ordering data**

Туре	AD 4 SAK4	Version
Order No.	0285300000	Terminal cover, yellow, PVC, Height: 25 mm, Width: 25.6 mm, Depth:
GTIN (EAN)	4008190072902	1 mm, V-2
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**

Туре	DEK 5/6.5 MC NE WS	Version
Order No.	<u>1609840000</u>	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**



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
Order No. 1609850000
GTIN (EAN) 4008190456610
Oty. 180 ST

Version

Dekafix, Terminal marker, 5 x 6.5 mm, Pitch in mm (P): 6.50

Weidmueller, To customer specification

#### 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
Order No. 0517960000
GTIN (EAN) 4008190001742
Oty. 20 ST

Version

SCHT, Terminal marker, 39.3 x 8 mm, Pitch in mm (P): 7.00

Weidmueller, white

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# **Accessories**

## **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 2.3 RT

Order No. 0180400000

GTIN (EAN) 4008190060121

20 ST

400000 Test adapte

Version

Test adapter (terminal), 230 V, 20 mA

#### Marker holder

Qty.



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**

Туре	BZT 1 WS 10/5	Version
Order No.	<u>1805490000</u>	Accessories, Marker holder
GTIN (EAN)	4032248270231	
Qty.	100 ST	
Туре	BZT 1 ZA WS 10/5	Version
Type Order No.	BZT 1 ZA WS 10/5 1805520000	Version Accessories, Marker holder
	,	

#### **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.

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# **Data sheet**

# **SAK 4**

Qty.



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# **Accessories**

# **General ordering data**

Туре	STA 1/ZA SAK4-10
Order No.	<u>1632450000</u>
GTIN (EAN)	4008190209636

25 ST

Version

Test adapter (terminal), 1.5 mm<sup>2</sup>, 250 V, 0.2 A