

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.

Version	Feed-through terminal block, Screw connection, beige / yellow, 6 mm <sup>2</sup> , 41 A, 800 V, Number of connections: 2
Order No.	<u>0380560000</u>
Туре	SAK 6/35 PA
GTIN (EAN)	4008190134648
Qty.	100 pc(s).
Alternative product	<u>1020200000</u>



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# **Technical data**

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Depth	44 mm	Depth (inches)	1.732 inch
Height	45 mm	Height (inches)	1.772 inch
Width	8 mm	Width (inches)	0.315 inch
Net weight	12.98 g		

### **Temperatures**

Storage temperature	-25 °C55 °C	Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity
Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	100 °C

#### **Material data**

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)	41 A
Wire cross section max. (ATEX)	10 mm²	Max. voltage (IECEX)	550 V
Current (IECEX)	41 A	Wire cross section max. (IECEX)	10 mm²
Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certifi- cate of Conformity	Marking EN 60079-7	Ex eb II C Gb
Ex 2014/34/EU label	II 2 G D		

### **System specifications**

Version	Screw connection, for scre- wable cross-connection, One end without connec-	End cover plate required	
	tor		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	Yes	Number of similar terminals	1	
Open sides	right	Type of mounting	Snap-on	

### **CSA** rating data

Certificate No. (CSA)	154685-1501714	Current size C (CSA)	47 A
Voltage size C (CSA)	600 V	Wire cross section max. (CSA)	8 AWG
Wire cross section min. (CSA)	20 AWG		



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# **Technical data**

Conductors	for clamping	(additiona	l connection)
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Conductor cross-section, flexible pl	us	Connection type, additional connection
plastic collar DIN 46228/1, furthe	r con-	
nection, max.	6 mm <sup>2</sup>	Screw connection

### **Conductors for clamping (rated connection)**

Blade size	4.0 x 0.8 mm	Clamping range, max.	10 mm <sup>2</sup>
Clamping range, min.	0.33 mm <sup>2</sup>	Clamping screw	M 3.5
Connection cross-section, stranded,		Connection cross-section, stranded, mi	in.
max.	6 mm <sup>2</sup>		0.5 mm <sup>2</sup>
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 screw- driver	3	Twin wire-end ferrules, max.	4 mm²
Twin wire-end ferrules, min.	0.5 mm <sup>2</sup>	Type of connection	Screw connection
Wire connection cross section AWG, max.	AWG 8	Wire connection cross section AWG, min.	AWG 22
Wire connection cross section, finely stranded, max.	10 mm²	Wire connection cross section, finely stranded, min.	0.5 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	6 mm²	Wire connection cross-section, fine- ly 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.	6 mm²	Wire connection cross-section, fine- ly stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm²
Wire connection cross-section, solid core, max.	10 mm²	Wire connection cross-section, solid core, min.	0.5 mm²

### **Dimensions**

TS 35 offset	20 mm	

### General

Rail	TS 35	Standards	IEC 60947-7-1
Wire connection cross section AWG,		Wire connection cross section AWG,	
max.	AWG 8	min.	AWG 22

### **Rating data**

Rated cross-section	6 mm <sup>2</sup>	Rated voltage	800 V
Rated DC voltage	800 V	Rated current	41 A
Current at maximum wires	57 A	Standards	IEC 60947-7-1
Volume resistance according to IE	С	Rated impulse withstand vo	Itage
60947-7-x	$0.78~\text{m}\Omega$		8 kV
Power loss in accordance with IEC		Pollution severity	
60947-7-x	1.31 W		3

### **UL** rating data

Certificate No. (UR)	E60693	Conductor size Factory wiring max. (UR)	8 AWG
Conductor size Factory wiring min. (UR)	22 AWG	Conductor size Field wiring max. (UR)	8 AWG
Conductor size Field wiring min. (UR)	22 AWG	Current size C (UR)	40 A
Voltage size C (UR)	600 V		



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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**

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

#### **Approvals**

Approvals



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

#### **Downloads**

Approval/Certificate/Document of Con-	Attestation of Conformity
formity	<u>CFAT SAK 16/35</u>
	UKCA Ex Attestation of Conformity
	<u>CB Certificate</u>
	CB Test Certificate
	<u>Lloyds Register Certificate</u>
	<u>IECEx Certificate</u>
	ATEX Certificate
	DNV Certificate
	Declaration of Conformity
	UKCA declaration of conformity
Engineering Data	CAD data – STEP
Product Change Notification	20210308 Technical Change SAK PA 35
User Documentation	<u>StorageConditionsTerminalBlocks</u>
Catalogues	Catalogues in PDF-format



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### **Accessories**

#### **SAK-Series**

# SAK Series

A partition plate is used for the optical separation of circuits or used for electrical isolation from neighbouring cross-connectors. In contrast to the end plate, the contour can be larger than the adjacent terminal blocks. However, it should not be smaller, as otherwise the required clearance and creepage distances within the application can no longer be maintained.

#### **General ordering data**

Туре	TW 4 SAK4-10	Version
Order No.	<u>0130160000</u>	Partition plate (terminal), beige, Height: 50 mm, Width: 1.5 mm, V-2,
GTIN (EAN)	4008190096335	PA 66
Qty.	20 pc(s).	
Туре	TW 4 SAK4-10 BL	Version
Type Order No.	TW 4 SAK4-10 BL 0130180000	Version Partition plate (terminal), blue, Height: 50 mm, Width: 1.5 mm, V-2, PA

### **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

Туре	DEK 5/8 MM WS	Version
Order No.	<u>2007130000</u>	Dekafix, Terminal marker, 5 x 8 mm, Weidmueller, white
GTIN (EAN)	4050118392012	
Qty.	500 pc(s).	



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### **Accessories**

### **Connection sleeves**



### **General ordering data**

Туре	VH 19/5/3.4	Version
Order No.	0285100000	Connecting sleeve (terminal), when screwed in, Width: 5 mm, Height:
GTIN (EAN)	4008190189297	5 mm, Depth: 17.5 mm, Number of poles: 1, Cu Zn
Qty.	50 pc(s).	
Туре	VL 2 SAK6N/SAKT	Version
Type Order No.	VL 2 SAK6N/SAKT 0194700000	Version Cross-connector (terminal), when screwed in, grey, 32 A, Number of
	, -	

### **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.

	<u>-</u>	
Туре	STB 14/D6/4/M3 SAK10	Version
Order No.	<u>0169900000</u>	Accessories, Socket
GTIN (EAN)	4008190076665	
Qty.	50 pc(s).	



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### **Accessories**

#### **Test plugs**



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#### **General ordering data**

Type PS 4 F.STB 4
Order No. 0299600000
GTIN (EAN) 4008190074043
Oty. 20 pc(s).

Version

Test adapter (terminal), 230 V

#### **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.

Туре	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 pc(s).	
Туре	DEK 5/8 MC SDR	Version
Type Order No.	DEK 5/8 MC SDR 1856750000	Version Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00
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# Accessories

### Q/SAK



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.

Туре	Q 10 SAK6N	Version
Order No.	0457000000	Cross-connector (terminal), when screwed in, grey, 41 A, Number of
GTIN (EAN)	4008190153762	poles: 10, Pitch in mm (P): 8.00, Insulated: No, Width: 77.1 mm
Qty.	20 pc(s).	
Туре	Q 2 SAK6N	Version
Order No.	0456700000	Cross-connector (terminal), when screwed in, grey, 41 A, Number of
GTIN (EAN)	4008190150044	poles: 2, Pitch in mm (P): 6.00, Insulated: No, Width: 13.9 mm
Qty.	50 pc(s).	
Туре	Q 3 SAK6N	Version
Type Order No.	Q 3 SAK6N 0456800000	Version Cross-connector (terminal), when screwed in, grey, 41 A, Number of
• •		
Order No.	0456800000	Cross-connector (terminal), when screwed in, grey, 41 A, Number of
Order No. GTIN (EAN)	0456800000 4008190110277	Cross-connector (terminal), when screwed in, grey, 41 A, Number of
Order No. GTIN (EAN) Qty.	0456800000 4008190110277 50 pc(s).	Cross-connector (terminal), when screwed in, grey, 41 A, Number of poles: 3, Pitch in mm (P): 6.00, Insulated: No, Width: 21.8 mm
Order No. GTIN (EAN) Oty. Type	0456800000 4008190110277 50 pc(s). Q 4 SAK6N	Cross-connector (terminal), when screwed in, grey, 41 A, Number of poles: 3, Pitch in mm (P): 6.00, Insulated: No, Width: 21.8 mm  Version



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# Accessorie<u>s</u>

#### Plus



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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

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#### **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 pc(s).

#### Screws



Depending on the terminal block or also accessories, we offer different types of screws as additional items or also spare parts.

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 pc(s).	
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

#### **SAK-Series**



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

Type AD 4 SAK6N Order No. <u>0196600000</u>

190169336 1 mm, V-2

GTIN (EAN) 4008190169336

50 pc(s).

### Version

Terminal cover, yellow, PVC, Height: 25 mm, Width: 31.6 mm, Depth:

#### 50 pc(s).

#### **Blank**

Qty.



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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 NE WS Version

Order No. 1856740000 Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00

GTIN (EAN) 4032248400850 Weidmueller, white

Oty. 800 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**

Туре	AP SAK4-10 RT	Version
Order No.	0117900000	End plate (terminals), red, Height: 40 mm, Width: 1.5 mm, V-2, PA 66
GTIN (EAN)	4008190125059	
Qty.	20 pc(s).	
Туре	AP SAK4-10 DB	Version
Order No.	0105100000	End plate (terminals), dark beige, Height: 40 mm, Width: 1.5 mm, V-0,
GTIN (EAN)	4008190394875	Wemid
Qty.	20 pc(s).	
Туре	AP SAK4-10 BL	Version
Type Order No.	AP SAK4-10 BL 0117980000	Version End plate (terminals), blue, Height: 40 mm, Width: 1.5 mm, V-2, PA 66
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Order No.	0117980000	
Order No. GTIN (EAN)	<u>0117980000</u> 4008190171087	
Order No. GTIN (EAN) Qty.	0117980000 4008190171087 20 pc(s).	End plate (terminals), blue, Height: 40 mm, Width: 1.5 mm, V-2, PA 66
Order No. GTIN (EAN) Oty. Type	0117980000 4008190171087 20 pc(s). AP SAK4-10	End plate (terminals), blue, Height: 40 mm, Width: 1.5 mm, V-2, PA 66  Version

### 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<sup>®</sup> 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 pc(s).	
Туре	BZT 1 ZA WS 10/5	Version
Type Order No.	BZT 1 ZA WS 10/5 1805520000	Version Accessories, Marker holder
	,	

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### **Accessories**

### **SAK-Series**

SAK Series 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**

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

4008190209636

25 pc(s).

Qty.

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