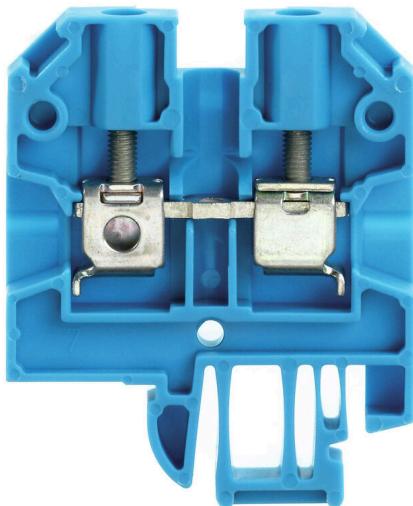


SAK 4 BL

Weidmüller Interface GmbH & Co. KG
Klingenbergsstraße 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, blue, 4 mm ² , 32 A, 800 V, Number of connections: 2
Order No.	0128380000
Type	SAK 4 BL
GTIN (EAN)	4008190113629
Qty.	100 items
Delivery status	This article will no longer be available in the future.
Available until	2026-06-30T00:00:00+02:00
Alternative product	SAK 4

SAK 4 BL

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Technical data

Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (UR) E60693

Certificate No. (cURusEX) E184763

Dimensions and weights

Depth	51.5 mm
Height	40 mm
Width	6.5 mm
Net weight	7.15 g

Depth (inches)	2.0276 inch
Height (inches)	1.5748 inch
Width (inches)	0.2559 inch

Temperatures

Storage temperature	-25 °C...55 °C
Continuous operating temp., min.	-50 °C

Ambient temperature	-50 °C...55 °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
UL 94 flammability rating	V-2

Colour	blue
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Rating data IECEx/ATEX

Certificate No. (ATEX)	TUEV18ATEX8207U
Max. voltage (ATEX)	550 V
Wire cross section max. (ATEX)	6 mm ²
Current (IECEx)	32 A
Ex 2014/34/EU label	II 2 G D

Certificate No. (IECEx)	IECEx TUR18.0017U
Current (ATEX)	32 A
Max. voltage (IECEx)	550 V
Marking EN 60079-7	Ex eb II C Gb

System specifications

Version	Screw connection, for screwable cross- connection, One end without connector
Number of potentials	1
Number of clamping points per level	2
Levels cross-connected internally	No
Mounting rail	TS 32
PE function	No

End cover plate required	Yes
Number of levels	1
Number of potentials per tier	1
PE connection	No
N-function	Yes
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

Wire cross section max. (CSA)	10 AWG	Voltage size C (CSA)	600 V
Current size C (CSA)	36 A	Certificate No. (CSA)	12400-129
Wire cross section min. (CSA)	26 AWG		

Conductors for clamping (additional connection)

Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	4 mm ²	Connection type, additional connection	Screw connection
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Conductors for clamping (rated connection)

Gauge to IEC 60947-1	A4	Wire connection cross section AWG, max.	AWG 10
Connection direction	on side	Tightening torque, max.	1 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 ²	Clamping range, min.	0.13 mm ²
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 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.13 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	4 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.13 mm ²	Wire connection cross section, finely stranded, max.	4 mm ²
Wire connection cross section, finely stranded, min.	0.13 mm ²	Connection cross-section, stranded, max.	4 mm ²
Connection cross-section, stranded, min. 0.13 mm ²		Twin wire-end ferrules, max.	2.5 mm ²
Twin wire-end ferrules, min.	0.5 mm ²	Torque level with DMS electric screwdriver	2
Wire connection cross-section, solid core, max.	6 mm ²	Wire connection cross-section, solid core, min.	0.13 mm ²
Connection cross-section, finely stranded, min.	0.13 mm ²		

General

Wire connection cross section AWG, max.	AWG 10	Wire connection cross section AWG, min.	AWG 26
Standards	IEC 60947-7-1	Mounting rail	TS 32

Rating data

Rated cross-section	4 mm ²	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 60947-7-x	1.02 W	Pollution severity	3

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Technical data**UL rating data**

Conductor size Factory wiring max. (UR)	10 AWG
Voltage size C (UR)	600 V
Certificate No. (UR)	E60693
Conductor size Field wiring max. (UR)	10 AWG

Current size C (UR)	30 A
Conductor size Factory wiring min. (UR)	22 AWG
Conductor size Field wiring min. (UR)	22 AWG

Classifications

ETIM 8.0	EC000897
ETIM 10.0	EC000897
ECLASS 15.0	27-25-01-01

ETIM 9.0	EC000897
ECLASS 14.0	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	Q 2 SAK4	Version
Order No.	0336700000	Cross-connector (terminal), when screwed in, grey, 32 A, Number of
GTIN (EAN)	4008190033842	poles: 2, Pitch in mm (P): 6.00, Insulated: No, Width: 11 mm
Qty.	50 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	Q 3 SAK4	Version
Order No.	0336800000	Cross-connector (terminal), when screwed in, grey, 32 A, Number of
GTIN (EAN)	4008190089795	poles: 3, Pitch in mm (P): 6.00, Insulated: No, Width: 18 mm
Qty.	50 ST	
Type	Q 4 SAK4	Version
Order No.	0336900000	Cross-connector (terminal), when screwed in, grey, 32 A, Number of
GTIN (EAN)	4008190036201	poles: 4, Pitch in mm (P): 6.00, Insulated: No, Width: 24.5 mm
Qty.	50 ST	

Cross-connections



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Accessories

General ordering data

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



Partition plates and end plates are essential accessories for terminal blocks. Partition plates provide optical and electrical separation of different potentials and functional groups, increasing safety and ensuring a clear structure inside the control cabinet. End plates close the terminal block row on the sides, protect against contact with live parts, and ensure a clean, stable finish. Both components are precisely matched to the respective Weidmüller terminal block series, contributing to safe, compliant, and professional wiring.

General ordering data

Type	AP SAK4-10	Version
Order No.	0117960000	End plate for terminals, beige, Height: 40 mm, Width: 1.5 mm, V-2,
GTIN (EAN)	4008190081485	PA 66, Snap-on: Yes
Qty.	20 ST	
Type	AP SAK4-10 DB	Version
Order No.	0105100000	End plate for terminals, dark beige, Height: 40 mm, Width: 1.5 mm,
GTIN (EAN)	4008190394875	V-0, Wemid, Snap-on: Yes
Qty.	20 ST	
Type	AP SAK4-10 RT	Version
Order No.	0117900000	End plate for terminals, red, Height: 40 mm, Width: 1.5 mm, V-2, PA
GTIN (EAN)	4008190125059	66, Snap-on: Yes
Qty.	20 ST	
Type	AP SAK4-10 BL	Version
Order No.	0117980000	End plate for terminals, blue, Height: 40 mm, Width: 1.5 mm, V-2, PA
GTIN (EAN)	4008190171087	66, Snap-on: Yes
Qty.	20 ST	
Type	TW 4 SAK4-10	Version
Order No.	0130160000	Partition plate (terminal), beige, Height: 50 mm, Width: 1.5 mm, V-2,
GTIN (EAN)	4008190096335	PA 66
Qty.	20 ST	
Type	TW 4 SAK4-10 BL	Version
Order No.	0130180000	Partition plate (terminal), blue, Height: 50 mm, Width: 1.5 mm, V-2,
GTIN (EAN)	4008190114138	PA 66
Qty.	20 ST	

SAK 4 BL

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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	Version
Order No.	0180400000	Test adapter (terminal), 230 V, 20 mA
GTIN (EAN)	4008190060121	
Qty.	20 ST	
Type	STB 14/D5/2.3/M3 SAK2.5	Version
Order No.	0168600000	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

Type	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	
Type	BFSC M3X25	Version
Order No.	0292500000	Mounting screw (Terminal), 3.00 mm, Steel, Depth: 4.8 mm, Width:
GTIN (EAN)	4008190177027	4.8 mm, Height: 25 mm
Qty.	100 ST	

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Accessories

Cross-connections

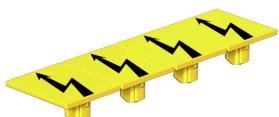


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General ordering data

Type	VH 13.5/4.9/3.3	Version
Order No.	0248500000	Connecting sleeve (terminal), when screwed in, Width: 4.9 mm, Height: 4.9 mm, Depth: 13.5 mm, Number of poles: 1, Copper
GTIN (EAN)	4008190022723	
Qty.	100 ST	
Type	VH 19/5/3.4	Version
Order No.	0285100000	Connecting sleeve (terminal), when screwed in, Width: 5 mm, Height: 5 mm, Depth: 17.5, Number of poles: 1, Cu Zn
GTIN (EAN)	4008190189297	
Qty.	50 ST	
Type	VL 2 SAK4	Version
Order No.	0197000000	Cross-connector (terminal), when screwed in, grey, 32 A, Number of poles: 2, Pitch in mm (P): 6.50, Insulated: No, Width: 6 mm
GTIN (EAN)	4008190000271	
Qty.	50 ST	

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

Type	AD 4 SAK4	Version
Order No.	0285300000	Terminal cover, yellow, PVC, Height: 25 mm, Width: 25.6 mm, Depth: 1 mm, V-2
GTIN (EAN)	4008190072902	
Qty.	50 ST	

SAK 4 BL

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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	Weidmüller, white
Qty.	900 ST	

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	Weidmüller, To customer specification
Qty.	180 ST	

SAK 4 BL

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Accessories

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 ST	

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 shaped 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	

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Accessories

End plates and partition plates



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General ordering data

Type	AP SAK4-10 I	Version
Order No.	0117910000	End plate for terminals, black, Height: 40 mm, Width: 1.5 mm, V-2, PA 66, Snap-on: Yes
GTIN (EAN)	4008190183707	
Qty.	20 ST	
Type	TW SAK4-10 HP/DBR/0.5	Version
Order No.	0197100000	Partition plate (terminal), brown, dark beige, Height: 40 mm, Width: 0.5 mm, V-2, PA 66
GTIN (EAN)	4008190146627	
Qty.	20 ST	
Type	TSCH 1	Version
Order No.	0319160000	Small partition (terminal), PA 66, beige, Continuous operating temp., max.: 100 °C
GTIN (EAN)	4008190097219	
Qty.	100 ST	
Type	TSCH 2	Version
Order No.	0353660000	Small partition (terminal), PA 66, beige, Continuous operating temp., max.: 100 °C
GTIN (EAN)	4008190128432	
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	STA 1/ZA SAK4-10	Version
Order No.	1632450000	Test adapter (terminal), 1.5 mm ² , 250 V, 0.2 A
GTIN (EAN)	4008190209636	
Qty.	25 ST	