Weidmüller ϽϾ

SAK 6N

Product image

Klippon® Connect with clamping yoke Technology

The high reliability and variety of designs of the terminal blocks with clamping yoke connections make planning easer and optimises operational safety. Klippon® Connect provides a proven response to a range of different requirements.

General ordering data

Version	SAK Series, Feed-through terminal, Rated cross-section: 6 mm², Screw connection, beige, Direct mounting
Order No.	0193260000
Type	SAK 6N
GTIN (EAN)	4008190031893
Qty.	100 pc(s).

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SAK 6N

Technical data

Dimensions and weights

Depth	49 mm	Depth (inches)	1.929 inch
Height	40 mm	Height (inches)	1.575 inch
Width	8 mm	Width (inches)	0.315 inch
Net weight	14.19 g		

Temperatures

Storage temperature		Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity
	-25 °C...55 °C		
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-Certificate of Conformity	Marking EN 60079-7	
			Ex eb II C Gb
Ex 2014/34/EU label	II 2 G D		

System specifications

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	Yes	Installation advice	Direct mounting
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		

Conductors for clamping (additional connection)

Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	6 mm²

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SAK 6N

Technical data

Conductors for clamping (rated connection)

Blade size	4.0 x 0.8 mm	Clamping range, max.	10 mm²
Clamping range, min.	0.33 mm²	Clamping screw	M 3.5
Connection cross-section, stranded, max.	6 mm²	Connection cross-section, stranded, min.	0.5 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	Twin wire-end ferrules, max.	4 mm²
Twin wire-end ferrules, min.	0.5 mm²	Type of connection	Screw connection
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 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, finely stranded with wire-end ferrules DIN 46228/4, max.	6 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.	10 mm²
Wire connection cross-section, solid core, min.	0.5 mm²		

General

Installation advice	Direct mounting	Rail	TS 32
Standards	IEC 60947-7-1	Wire connection cross section AWG, min.	AWG 22

Rating data

Rated cross-section	6 mm²	Rated voltage	800 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	8 kV	Power loss in accordance with IEC 60947-7-x	1.31 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)	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		

Classifications

ETIM 6.0	EC000897	ETIM 7.0	EC000897
ETIM 8.0	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		

SAK 6N

Technical data

Approvals

Approvals

ROHS	Conform
UL File Number Search	E60693

Downloads

Approval/Certificate/Document of Conformity	Attestation Of Conformity CFAT SAK 6N CB Certificate CB Test Certificate EAC certificate DNVGL certificate Lloyds Register Certificate MARITREG Certificate EAC EX Certificate IECEx Certificate ATEX Certificate Declaration of Conformity CE Declaration of Conformity all terminals
Engineering Data	CAD data – STEP
Engineering Data	EPLAN, WSCAD
Product Change Notification	20210308 Technical Change SAK PA 32
User Documentation	StorageConditionsTerminalBlocks NTI SAK 6N/32
Catalogues	Catalogues in PDF-format

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Weidmüller ⧉

SAK 6N

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 5/5 MC NE WS	Version	
Order No.	1609801044	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00	
GTIN (EAN)	4008190397111	Weidmueller, white	
Qty.	1,000 pc(s).		

Plus

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.
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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).		

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SAK 6N

Accessories

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

Type	STA 1/ZA SAK4-10	Version	
Order No.	1632450000	SAK Series, Test adapter	
GTIN (EAN)	4008190209636		
Qty.	25 pc(s).		

Connection sleeves

General ordering data

Type	VH 19/5/3.5 SAK4-16	Version	
Order No.	0285100000	SAK Series, Connecting sleeve, for cross-connection link, Number of	
GTIN (EAN)	4008190189297	poles: 1	
Qty.	50 pc(s).		

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SAK 6N

Accessories

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 4 SAK6N	Version
Order No.	0194500000	SAK Series, Cross-connector, for cross-connection link, Number of
GTIN (EAN)	4008190025601	poles: 4
Qty.	50 pc(s).	
Type	QL 10 SAK6N	Version
Order No.	0338300000	SAK Series, Cross-connector, for cross-connection link, Number of
GTIN (EAN)	4008190176679	poles: 10
Qty.	20 pc(s).	
Type	QL 15 SAK6N	Version
Order No.	0221200000	SAK Series, Cross-connector, for cross-connection link, Number of
GTIN (EAN)	4008190042110	poles: 15
Qty.	10 pc(s).	
Type	QL 2 SAK6N	Version
Order No.	0194300000	SAK Series, Cross-connector, for cross-connection link, Number of
GTIN (EAN)	4008190182854	poles: 2
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).	

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

Type	TW SAK4-10 HP/DBR/0.5	Version
Order No.	0197100000	SAK Series, Partition plate, 0.5 mm, brown, dark beige, Direct
GTIN (EAN)	4008190146627	mounting
Qty.	20 pc(s).	

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SAK 6N

Accessories

Type	TW 4 SAK4-10	Version	
Order No.	0130160000	SAK Series, Partition plate, 1.5 mm, beige	
GTIN (EAN)	4008190096335		
Qty.	20 pc(s).		
Type	TW 4 SAK4-10 BL	Version	
Order No.	0130180000	SAK Series, Partition plate, 1.5 mm, blue	
GTIN (EAN)	4008190114138		
Qty.	20 pc(s).		
Type	TSCH 1	Version	
Order No.	0319160000	SAK Series, Small partition, beige, 2 mm	
GTIN (EAN)	4008190097219		
Qty.	100 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 M3X25	Version	
Order No.	0292500000	Accessories, Mounting screw, for cross-connection link	
GTIN (EAN)	4008190177027		
Qty.	100 pc(s).		

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Weidmüller

SAK 6N

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

www.weidmueller.com

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

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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	
Qty.	800 pc(s).		

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Catalogue status 17.12.2021 / We reserve the right to make technical changes.

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SAK 6N

Accessories

DEK 5/6

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

General ordering data

Type	DEK 5/6 MM WS	Version
Order No.	2007120000	Dekafix, Terminal marker, 5 x 6 mm, Weidmueller, white
GTIN (EAN)	4050118392104	
Qty.	600 pc(s).	

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.

General ordering data

Type	Q 10 SAK6N	Version
Order No.	0457000000	SAK Series, Cross-connector, for cross-connection link, Number of
GTIN (EAN)	4008190153762	poles: 10
Qty.	20 pc(s).	
Type	Q 3 SAK6N	Version
Order No.	0456800000	SAK Series, Cross-connector, for cross-connection link, Number of
GTIN (EAN)	4008190110277	poles: 3
Qty.	50 pc(s).	

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SAK 6N

Accessories

Type	Q 2 SAK6N	Version	
Order No.	0456700000	SAK Series, Cross-connector, for cross-connection link, Number of	
GTIN (EAN)	4008190150044	poles: 2	
Qty.	50 pc(s).		
Type	Q 4 SAK6N	Version	
Order No.	0456900000	SAK Series, Cross-connector, for cross-connection link, Number of	
GTIN (EAN)	4008190032579	poles: 4	
Qty.	50 pc(s).		

Custom printing

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General ordering data

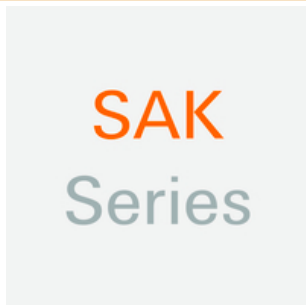| Type	DEK 5/6.5 MC SDR	Version	
Order No.	1609850000	Dekafix, Terminal marker, 5 x 6.5 mm, Pitch in mm (P): 6.50	
GTIN (EAN)	4008190456610	Weidmueller, To customer specification	
Qty.	180 pc(s).		

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SAK 6N

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 14/D6/4/M3 SAK10	Version	
Order No.	0169900000	Accessories, Socket	
GTIN (EAN)	4008190076665		
Qty.	50 pc(s).		

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	Version	
Order No.	0196600000	SAK Series, cover plate, yellow, 31.6 mm	
GTIN (EAN)	4008190169336		
Qty.	50 pc(s).		

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

www.weidmueller.com

Accessories

Custom printing

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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.
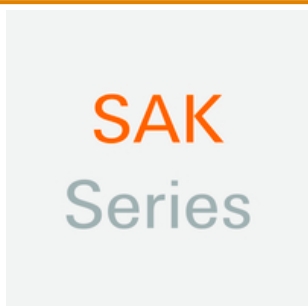
- Large range of ready-to-use markers
- Strips for fast installation
- Terminal markers, suitable for all Weidmüller cable connectors
- Available as blank MultiCard or with standard printing

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General ordering data

Type	DEK 5/8 MC SDR	Version	
Order No.	1856750000	Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00	
GTIN (EAN)	4032248400867	Weidmueller, To customer specification	
Qty.	160 pc(s).		
Type	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).		

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	AP SAK4-10	Version	
Order No.	0117960000	SAK Series, End plate, 1.5 mm, beige, Direct mounting	
GTIN (EAN)	4008190081485		
Qty.	20 pc(s).		
Type	AP SAK4-10 I	Version	
Order No.	0117910000	SAK Series, End plate, 1.5 mm, Light Grey, Direct mounting	
GTIN (EAN)	4008190183707		
Qty.	20 pc(s).		

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Catalogue status 17.12.2021 / We reserve the right to make technical changes.

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SAK 6N

Accessories

Type	AP SAK4-10 DB	Version
Order No.	0105100000	SAK Series, End plate, 1.5 mm, dark beige, Direct mounting
GTIN (EAN)	4008190394875	
Qty.	20 pc(s).	
Type	AP SAK4-10 BL	Version
Order No.	0117980000	SAK Series, End plate, 1.5 mm, blue, Direct mounting
GTIN (EAN)	4008190171087	
Qty.	20 pc(s).	
Type	AP SAK4-10 RT	Version
Order No.	0117900000	SAK Series, End plate, 1.5 mm, red, Direct mounting
GTIN (EAN)	4008190125059	
Qty.	20 pc(s).	

Custom printing

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General ordering data

Type	DEK 5/6 MC SDR	Version
Order No.	1609830000	Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00
GTIN (EAN)	4008190456603	Weidmueller, To customer specification
Qty.	200 pc(s).	

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Weidmüller ⊒Ξ

SAK 6N

Accessories

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

General ordering data

Type	DEK 5/8 MM WS	Version	
Order No.	2007130000	Dekafix, Terminal marker, 5 x 8 mm, Weidmueller, white	
GTIN (EAN)	4050118392012		
Qty.	500 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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SAK 6N

Accessories

Blank

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- Strips for fast installation
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General ordering data

Type	DEK 5/6 MC NE WS	Version	
Order No.	1609820000	Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00	
GTIN (EAN)	4008190203436	Weidmueller, white	
Qty.	1,000 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	Accessories, Test plug	
GTIN (EAN)	4008190074043		
Qty.	20 pc(s).		

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SAK 6N

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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).		

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Mouser Electronics

Authorized Distributor

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[Weidmuller](#):
  [0193260000](#)