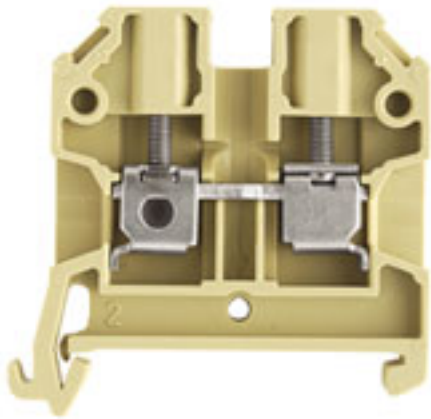


SAK Series
SAK 4/35

Weidmüller Interface GmbH & Co. KG
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 www.weidmueller.com


Klippon® Connect with clamping yoke Technology

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

General ordering data

Type	SAK 4/35
Order No.	0443660000
Version	SAK Series, Feed-through terminal, Rated cross-section: 4 mm ² , Screw connection, Direct mounting
GTIN (EAN)	4008190019990
Qty.	100 pc(s).

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Technical data**Dimensions and weights**

Width	6.5 mm	Width (inches)	0.256 inch
Height	45 mm	Height (inches)	1.772 inch
Depth	44 mm	Depth (inches)	1.732 inch
Net weight	8.6 g		

Temperatures

Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	100 °C
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Material data

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

Rating data IECEx/ATEX

Certificate No. (ATEX)	KEMA97ATEX1798U	Certificate No. (IECEX)	IECEXKEM06.0014U
Max. voltage (ATEX)	550 V	Current (ATEX)	28 A
Wire cross section max. (ATEX)	4 mm ²	Max. voltage (IECEX)	550 V
Current (IECEX)	28 A	Wire cross section max. (IECEX)	4 mm ²
Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Marking EN 60079-7	Ex e II
Ex 2014/34/EU label	II 2 G D		

System specifications

Version	Screw connection, for screwable cross-connection, One end without connector	Tightening torque (clamping screw for copper conductors)	0.5...1 Nm
End cover plate required	Yes	Number of potentials	1
Number of levels	1	No. of clamping points per level	2
Number of potentials per tier	1	Levels cross-connected internally	No
PE connection	No	Mounting rail	TS 35
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)	12400-129	Current size C (CSA)	36 A
Voltage size C (CSA)	600 V	Wire cross section max. (CSA)	10 AWG
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 mm²

Creation date November 8, 2017 1:25:56 AM CET

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Technical data
Conductors for clamping (rated connection)

Blade size	0.6 x 3.5 mm	Clamping range, rated connection, max.	6 mm ²
Clamping range, rated connection, min.	0.13 mm ²	Clamping screw	M 3
Connection direction	on side	Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min.	0.5 mm ²
Gauge to IEC 60947-1	A4	Number of connections	2
Stripping length	12 mm	Tightening torque, max.	1 Nm
Tightening torque, min.	0.5 Nm	Twin wire-end ferrules, max.	2.5 mm ²
Twin wire-end ferrules, min.	0.5 mm ²	Type of connection	Screw connection
Wire connection cross section AWG, min.	AWG 26	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.	4 mm ²
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.	0.5 mm ²	Wire connection cross section, finely stranded, max.	4 mm ²
Wire connection cross section, solid core max. rated connection	6 mm ²	Wire connection cross section, solid core, min. rated connection	0.5 mm ²
Wire connection cross section, stranded, rated connection, max.	4 mm ²	Wire connection cross section, stranded, rated connection, min.	0.5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max.	4 mm ²	Wire connection cross-section, finely stranded, min.	0.5 mm ²

Rating data

Rated cross-section	4 mm ²	Rated voltage	800 V
Rated 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	Pollution severity	3

UL rating data

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

Classifications

ETIM 3.0	EC000897	ETIM 4.0	EC000897
ETIM 5.0	EC000897	ETIM 6.0	EC000897
UNSPSC	30-21-18-11	eClass 5.1	27-14-11-20
eClass 6.2	27-14-11-20	eClass 7.1	27-14-11-20
eClass 8.1	27-14-11-20	eClass 9.0	27-14-11-20
eClass 9.1	27-14-11-20		

Product information

Descriptive text technical data With twin wire-end ferrules ZH 0.5 to ZH 2.5, the rated voltage is 690 V.

Data sheet**SAK Series
SAK 4/35**

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Technical data**Approvals**

Approvals



ROHS Conform

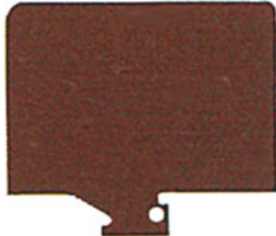
Downloads

Approval/Certificate/Document of Conformity	CFAT_SAK 4.pdf DE_PT1301_20160418_416_ISSUE01.pdf
Engineering Data	EPLAN, WSCAD
Engineering Data	0443660000_24195_SAK_4-35_STP.stp

Safety noteSafety notice [Safety Information](#)

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Accessories
Partition plates

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General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
TW 4 SAK4-10	0130160000	SAK Series, Separation plate, 1.5 mm, Beige	4008190096335	20 pc(s).
TW SAK4-10 HP/DBR/0.5	0197100000	SAK Series, Separation plate, 0.5 mm, Brown, Dark Beige, Direct mounting	4008190146627	20 pc(s).
TW 4 SAK4-10 BL	0130180000	SAK Series, Separation plate, 1.5 mm, Blue	4008190114138	20 pc(s).

Covers

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General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
AD 4 SAK4	0285300000	SAK Series, cover plate, Yellow, 25.6 mm	4008190072902	50 pc(s).

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Accessories

Small partition



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General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
TSCH 1	0319160000	SAK Series, Small partition, Beige, 2 mm	4008190097219	100 pc(s).
TSCH 2	0353660000	SAK Series, Small partition, Beige, 0.6 mm	4008190128432	100 pc(s).

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

General ordering data

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

SAK Series SAK 4/35

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Accessories

Q / SAK



Klippon® Connect with clamping yoke Technology

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General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
Q 4 SAK4	0336900000	SAK Series, Cross-connector, for cross-connection link, No. of poles: 4	4008190036201	50 pc(s).
Q 3 SAK4	0336800000	SAK Series, Cross-connector, for cross-connection link, No. of poles: 3	4008190089795	50 pc(s).
Q 10 SAK4	0368800000	SAK Series, Cross-connector, for cross-connection link, No. of poles: 10	4008190049478	20 pc(s).
Q 2 SAK4	0336700000	SAK Series, Cross-connector, for cross-connection link, No. of poles: 2	4008190033842	50 pc(s).

End plates



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General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
AP SAK4-10 BL	0117980000	SAK Series, End plate, 1.5 mm, Blue, Direct mounting	4008190171087	20 pc(s).
AP SAK4-10 DB	0105100000	SAK Series, End plate, 1.5 mm, Dark Beige, Direct mounting	4008190394875	20 pc(s).
AP SAK4-10	0117960000	SAK Series, End plate, 1.5 mm, Beige, Direct mounting	4008190081485	20 pc(s).

Data sheet

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Accessories

AP SAK4-10 0117910000	SAK Series, End plate, 1.5 mm, Light Grey, Direct mounting	4008190183707	20 pc(s).
AP SAK4-10 RT 0117900000	SAK Series, End plate, 1.5 mm, Red, Direct mounting	4008190125059	20 pc(s).

Locking tabs



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General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
VL 2 SAK4	0197000000	SAK Series, Cross-connection lug, for cross-connection link, No. of poles: 2	4008190000271	50 pc(s).

Connection sleeves



VH 12/4.9/3.3 024900

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General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
VH 19/5/3.5 SAK4-16	0285100000	SAK Series, Connecting sleeve, for cross-connection link, No. of poles: 1	4008190189297	50 pc(s).
VH 13.5/4.9/3.3 SAK4	0248500000	SAK Series, Connecting sleeve, for cross-connection link, No. of poles: 1	4008190022723	100 pc(s).

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Accessories

Blank



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- Terminal markers, suitable for all Weidmüller cable connectors
- Available as blank MultiCard or with standard printing

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
DEK 5/6.5 MC	1609840000	Dekafix, Terminal marker, 5	4008190203429	900 pc(s).
NE WS		x 6.5 mm, Pitch in mm (P): 6.50 Weidmueller, White		

Non-insulated sockets



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General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
STB 14/ D5/2.3/M3 SAK2.5	0168600000	SAK Series, Socket	4008190135225	50 pc(s).

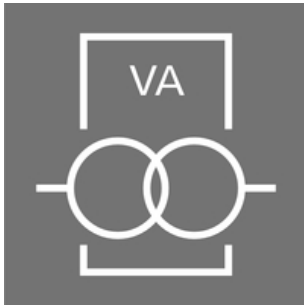
Data sheet

SAK Series
SAK 4/35

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Accessories

Test plug



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	Order No.	Version	GTIN (EAN)	Qty.
PS 2.3 RT	0180400000	Accessories, Test plug	400819006012120	pc(s).