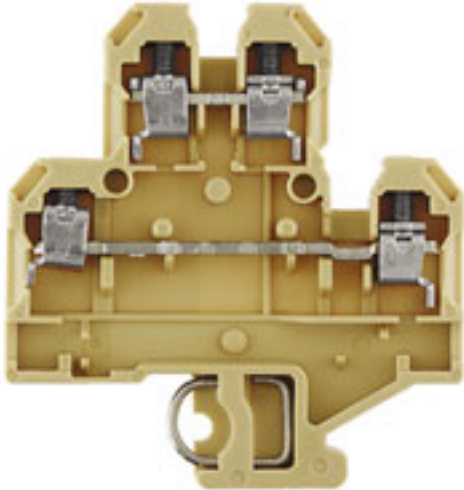


**SAK Series**  
**DK 4Q/32**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 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	DK 4Q/32
Order No.	<a href="#">0590060000</a>
Version	SAK Series, Feed-through terminal, Double-tier terminal, Rated cross-section: 4 mm <sup>2</sup> , Screw connection
GTIN (EAN)	4008190147228
Qty.	100 pc(s).

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**Technical data****Dimensions and weights**

Width	6 mm	Width (inches)	0.236 inch
Height	50 mm	Height (inches)	1.969 inch
Depth	59.5 mm	Depth (inches)	2.343 inch
Weight	4.88 g	Net weight	13.78 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)	SIRA02ATEX33 16U	Certificate No. (IECEX)	IECEXSIR05.004 1U
Max. voltage (ATEX)	275 V	Current (ATEX)	28 A
Wire cross section max. (ATEX)	4 mm <sup>2</sup>	Max. voltage (IECEX)	275 V
Current (IECEX)	28 A	Wire cross section max. (IECEX)	4 mm <sup>2</sup>
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...0.8 Nm
End cover plate required	Yes	Number of potentials	2
Number of levels	2	No. 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		

**Additional technical data**

Explosion-tested version	Yes	Number of similar terminals	1
Open sides	right	Type of mounting	Clamped

**CSA rating data**

Certificate No. (CSA)	12400-124	Current size C (CSA)	10 A
Voltage size C (CSA)	300 V	Wire cross section max. (CSA)	12 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. 2.5 mm<sup>2</sup>

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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 <sup>2</sup>
Clamping range, rated connection, min.	0.13 mm <sup>2</sup>	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 <sup>2</sup>
Gauge to IEC 60947-1	A3	Number of connections	4
Stripping length	9 mm	Tightening torque, max.	0.8 Nm
Tightening torque, min.	0.5 Nm	Torque level with DMS electric screwdriver	2
Twin wire-end ferrules, max.	1.5 mm <sup>2</sup>	Twin wire-end ferrules, min.	0.5 mm <sup>2</sup>
Type of connection	Screw connection	Wire connection cross section AWG, max.	AWG 12
Wire connection cross section AWG, min.	AWG 26	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.	2.5 mm <sup>2</sup>
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.	0.5 mm <sup>2</sup>	Wire connection cross section, finely stranded, max.	4 mm <sup>2</sup>
Wire connection cross section, solid core max. rated connection	6 mm <sup>2</sup>	Wire connection cross section, solid core, min. rated connection	0.5 mm <sup>2</sup>
Wire connection cross section, stranded, rated connection, max.	4 mm <sup>2</sup>	Wire connection cross section, stranded, rated connection, min.	0.5 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max.	2.5 mm <sup>2</sup>	Wire connection cross-section, finely stranded, min.	0.5 mm <sup>2</sup>

**Rating data**

Rated cross-section	4 mm <sup>2</sup>	Rated voltage	500 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	6 kV	Pollution severity	3

**UL rating data**

Certificate No. (UR)	E60693	Conductor size Factory wiring max. (UR)	12 AWG
Conductor size Factory wiring min. (UR)	26 AWG	Conductor size Field wiring max. (UR)	12 AWG
Conductor size Field wiring min. (UR)	22 AWG	Current size C (UR)	27 A
Voltage size C (UR)	300 V		

**Classifications**

ETIM 3.0	EC000898	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  
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**Technical data****Approvals**

Approvals



ROHS

Conform

**Downloads**

Approval/Certificate/Document of Conformity	<a href="#">CFAT_DK_4Q_32.pdf</a> <a href="#">DE_PT1331_20160418_112_ISSUE01.pdf</a>
Engineering Data	<a href="#">EPLAN_WSCAD</a>
User Documentation	<a href="#">Cross Connection Guide</a>

**Safety note**

Safety notice	<a href="#">Safety Information</a>
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