

**SAK Series**  
**DK 4 QV/EN**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com



The Weidmüller SAK feed-through terminals satisfy the requirements of IEC 60947-1 and are available with rated cross-sections from 0.08 mm<sup>2</sup> to 240 mm<sup>2</sup>.

**General ordering data**

Order No.	<a href="#">1907020000</a>
Type	DK 4 QV/EN
GTIN (EAN)	4032248530786
Qty.	100 pc(s).

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

Length	54 mm	Width	6.5 mm
Height	47.5 mm	Height of lowest version	47.5 mm
Net weight	14.93 g		

**Temperatures**

Operating temperature		Storage temperature	
Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	100 °C

**Rated data IECEx/ATEX**

Certificate No. (ATEX)	SIRA02ATEX3316U	ATEX certificate	IECEXSIR05.0041U
ATEX certificate	SIRA02ATEX3316U_e.pdf	Certificate No. (IECEX)	IECEXSIR05.0041U
IEC Ex certificate	IECEXSIR05.0041U_e.pdf	Max. voltage (ATEX)	275 V
Current (ATEX)	28 A	Wire cross section max. (ATEX)	4 mm <sup>2</sup>
Voltage, cross-connection		Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity
	CrossConnectionGuide.pdf		
Marking EN 60079-7	Ex e II	Marking ATEX Directive 94/9/EC	II 2 G D

**Additional technical data**

Explosion-tested version	No	Number of similar terminals	1
Open sides	right	Type of mounting	Snap-on
Version	Double terminal		

**CSA ratings data**

Certificate No. (CSA)	200039-2136577	Voltage size B (CSA)	300 V
Voltage size C (CSA)	150 V	Current size B (CSA)	36 A
Current size C (CSA)	36 A	Wire cross section max. (CSA)	10 AWG
Wire cross section min. (CSA)	22 AWG		

**Clampable wires (additional connection)**

Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, min.	0.5 mm <sup>2</sup>	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****Clampable wires (rated connection)**

Type of connection	Screw connection	Stripping length	12 mm
Blade size	0.6 x 3.5 mm	Connection direction	on side
Number of connections	2	Clamping range, rated connection, min.	0.13 mm <sup>2</sup>
Clamping range, rated connection, max.	6 mm <sup>2</sup>	Clamping screw	M 3
Tightening torque, min.	0.5 Nm	Tightening torque, max.	1 Nm
Torque level with DMS electric screwdriver	2	Gauge to IEC 60947-1	A4
Wire connection cross section, solid core, max. rated connection	0.5 mm <sup>2</sup>	Wire connection cross section, solid core max. rated connection	6 mm <sup>2</sup>
Wire connection cross section, stranded, rated connection, min.	0.5 mm <sup>2</sup>	Wire connection cross section, stranded, rated connection, max.	4 mm <sup>2</sup>
Wire connection cross section, finely stranded, max.	4 mm <sup>2</sup>	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, rated connection, min.	0.5 mm <sup>2</sup>	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.	2.5 mm <sup>2</sup>
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>	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>
Twin wire-end ferrules, min.	0.5 mm <sup>2</sup>	Twin wire-end ferrules, max.	2.5 mm <sup>2</sup>
Wire connection cross section AWG, min.	AWG 26	Wire connection cross section AWG, max.	AWG 10

**Rated data**

Rated cross-section	4 mm <sup>2</sup>	Rated voltage	500 V
Rated impulse withstand voltage	8 kV	Rated current	32 A
Current at maximum wires	41 A	Standards	IEC 60947-7-1
Pollution severity	3		

**UL ratings data**

Certificate No. (cURus)	E60693VOL1SEC3	Conductor size Factory wiring max. (cURus)	10 AWG
Conductor size Factory wiring min. (cURus)	22 AWG	Conductor size Field wiring max. (cURus)	10 AWG
Conductor size Field wiring min. (cURus)	22 AWG	Current size B (cURus)	30 A
Current size C (cURus)	30 A	Voltage size B (cURus)	300 V
Voltage size C (cURus)	150 V		

**Material data**

Material	PA 66	Colour	Beige
UL 94 flammability rating	V-2		

**System specifications**

Product family	SAK Series	Type of connection	Screw connection
Connection direction	on side	Number of levels	2
Number of connections	2	No. of clamping points per level	2
Levels cross-connected internally	Yes	Mounting rail	TS 32, TS 35
End cover plate required	Yes		

**Data sheet...**

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**Technical data**

**Classifications**

ETIM 3.0	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		

**Product information**

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

**Approvals**

Approvals



ROHS      Conform