SAK Series
DK 4

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
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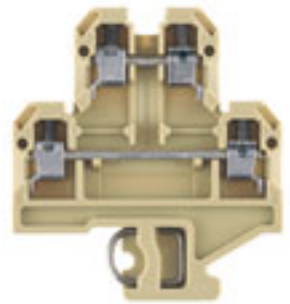

In order to do justice to the different requirements placed on our products, it is necessary to use various insulating materials tailored to the particular application. None of the insulating materials used by Weidmüller contain any hazardous substances. Above all, we ensure that all our materials are free from cadmium. Furthermore, they contain no colour pigments based on heavy metals and do not lead to the formation of dioxin/furan.

General ordering data

Type	DK 4
Order No.	0355460000
GTIN (EAN)	4008190094560
Qty.	100 pc(s).

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Dimensions and weights

Length	50 mm	Width	6 mm
Height	59.5 mm	Height of lowest version	59.5 mm
Net weight	13.35 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	SIRA02ATEX3316U_d.pdf
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 mm²
Voltage, cross-connection	CrossConnectionGuide.pdf	Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity
Marking EN 60079-7	Ex e II	Marking ATEX Directive 94/9/EC	II 2 G D

Additional technical data

Explosion-tested version	Yes	Number of similar terminals	1
Open sides	right	Type of mounting	Clamped
Version	Screw connection, for screwable cross-connection, One end without connector		

CSA ratings data

Certificate No. (CSA)	12400-130	Voltage size C (CSA)	300 V
Current size C (CSA)	25 A	Wire cross section max. (CSA)	12 AWG
Wire cross section min. (CSA)	26 AWG		

Clampable wires (additional connection)

Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, min.	0.5 mm²	Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	2.5 mm²

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Clampable wires (rated connection)

Type of connection	Screw connection	Stripping length	9 mm
Blade size	0.6 x 3.5 mm	Connection direction	on side
Number of connections	4	Clamping range, rated connection, min.	0.13 mm²
Clamping range, rated connection, max.	6 mm²	Clamping screw	M 3
Tightening torque, min.	0.5 Nm	Tightening torque, max.	0.8 Nm
Torque level with DMS electric screwdriver	2	Gauge to IEC 60947-1	A3
Wire connection cross section, solid core, max. rated connection	0.5 mm²	Wire connection cross section, solid core max. rated connection	6 mm²
Wire connection cross section, stranded, rated connection, min.	0.5 mm²	Wire connection cross section, stranded, rated connection, max.	4 mm²
Wire connection cross section, finely stranded, max.	4 mm²	Wire connection cross-section, finely stranded, min.	0.5 mm²
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.	0.5 mm²	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.	2.5 mm²
Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min.	0.5 mm²	Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max.	2.5 mm²
Twin wire-end ferrules, min.	0.5 mm²	Twin wire-end ferrules, max.	1.5 mm²
Wire connection cross section AWG, min.	AWG 26	Wire connection cross section AWG, max.	AWG 12

Rated data

Rated cross-section	4 mm²	Rated voltage	500 V
Rated impulse withstand voltage	6 kV	Rated current	32 A
Current at maximum wires	41 A	Standards	IEC 60947-7-1
Pollution severity	3		

UL ratings data

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

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	4	No. of clamping points per level	2
Levels cross-connected internally	No	Mounting rail	TS 32
End cover plate required	Yes		

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		

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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