Data sheet

SAIE-M12BK-5-0.2VFM16-2.5

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

www.weidmueller.com

Product image



Your peripheral devices should be supplied with greater power. With our new M12 plug-in connector, more than 250 V and 2 A is possible without problems. The compact A-, K-, L-, S- and T-coded M12 plug-in connectors are designed for the transmission of up to 630 V AC or 60 V DC and 12 A.

General ordering data

Version	Built-in plugs, M12, Female socket, straight, Mounting thread: M 16 x 1.5, Number of poles: 5, Strand / cable length: 0.2 m, Front mounting
Order No.	2968050000
Type	SAIE-M12BK-5-0.2VFM16-2.5
GTIN (EAN)	4099986779457
Qty.	1 items

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Technical data

Approvals

Approvals	
ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E310075

Dimensions and weights

Net weight	40 g

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c
REACH SVHC	Lead 7439-92-1
SCIP	65fec167-15ed-4338-ac12-b52daf2f7737

Technical specifications for cable

PE function	Yes	Core cross-section	2.5 mm²
Strand / cable length	0.2 m	Colour coding	black, brown, grey, blue, Green/yellow
Number of poles	5 (4 + PE)		

Technical data customisable plug-in connectors

Number of poles	5	Coding	K-coded
Contact surface	Gold-plated	Housing main material	Zinc diecast
Insulation resistance	≥ 100 MΩ	Nominal voltage	630 V
Nominal current	12 A	Protection degree	IP65, IP67, IP68, when screwed in
Plugging cycles	≥ 100	Pollution severity	3
Temperature range of housing	-40 … +85 ° C		

Standards

Connector standard	IEC 61076-2-111

General data

Number of poles	5
Coding	K-coded
Connection thread	M12
Contact surface	Gold-plated
Tightening torque	1 Nm
Core cross-section	2.5 mm²
Housing main material	Zinc diecast
Insulation resistance	≥ 100 MΩ
Type of mounting	Front mounting
Nominal voltage	630 V
Nominal current	12 A
AF size	17 mm
Protection degree	IP65, IP67, IP68, when screwed in

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Plugging cycles	≥ 100	
Pollution severity	3	
Connection 1	M12	
Connection 2	Flying wires	
Strand / cable length	0.2 m	
Mounting thread	M 16 x 1.5	
Mounting torque range	2 Nm	
Mounting torque	max.	2 Nm
Temperature range of housing	-40 ... +85 ° C	

Classifications

ETIM 8.0	EC003570	ETIM 9.0	EC003570
ETIM 10.0	EC003570	ECLASS 14.0	27-44-01-03
ECLASS 15.0	27-44-01-03		

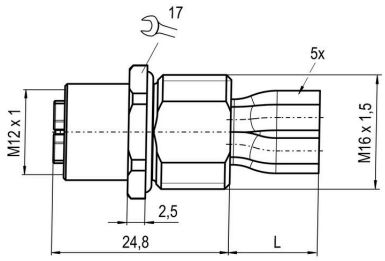
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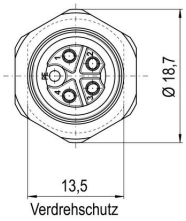
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Drawings

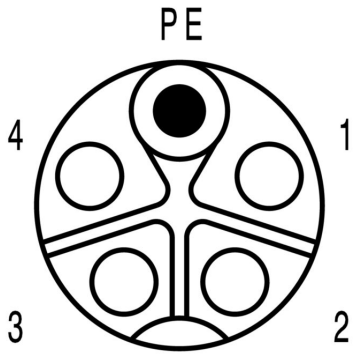
Dimensioned drawing



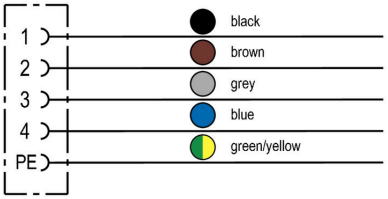
Dimensioned drawing



Pole scheme



Wiring diagram



Detailed drawing

