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Flush-type connector - SACC-E-M12MSS-4CON-M16/0,5 PE - 1424139

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Sensor/actuator flush-type plug, 4-pos., front/screw mounting with M16 thread, with 0.5 m PP litz wire, 4 x 1.5 mm²

Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 693417

Technical data

Dimensions

Length of cable	0.5 m
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Ambient conditions

Ambient temperature (operation)	-25 °C ... 85 °C (Plug / socket)
	-40 °C ... 85 °C (without mechanical actuation)
Degree of protection	IP67

General

Note	The electrical and mechanical data specified assume that the connector pair is correctly locked and mounted. If the connector is unlocked and if there is a danger of contamination, the connector must be sealed using a protective cap > IP54. Influences arising from litz wires, cables or PCB assembly must also be taken into consideration.
Rated current at 40°C	12 A
Rated voltage	630 V
Rated surge voltage	6 kV
Number of positions	4
Insulation resistance	≥ 100 MΩ
Coding	S power
Standards/regulations	M12 connector
Signal type/category	Power
Status display	No
Overvoltage category	III
Degree of pollution	3
Test voltage	6 kV

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Technical data

General

Connection method	Individual wires
Insertion/withdrawal cycles	> 100
Torque	3 Nm ... 4 Nm (Installation-side)
Mounting type	Front mounting M16 x 1.5

Material

Flammability rating according to UL 94	V0
Contact material	CuZn
Contact surface material	Ni/Au
Contact carrier material	PA
Material, knurls	CuZn alloy, nickel-plated
Sealing material	FKM

Cable

Cable type	PP litz wire
Conductor cross section	1.5 mm ²
AWG signal line	16
Wire colors	Black 1, black 2, black 3, green/yellow
Material conductor insulation	PP
Conductor material	Bare Cu litz wires
Ambient temperature (operation)	-40 °C ... 90 °C (cable, fixed installation)
	-30 °C ... 90 °C (cable, flexible installation)

Standards and Regulations

Standard designation	M12 connector
Flammability rating according to UL 94	V0

Classifications

eCl@ss

eCl@ss 4.0	27140815
eCl@ss 4.1	27140815
eCl@ss 5.0	27143423
eCl@ss 5.1	27143423
eCl@ss 6.0	27143423
eCl@ss 7.0	27449001
eCl@ss 8.0	27440103

ETIM

ETIM 3.0	EC002061
ETIM 4.0	EC002062
ETIM 5.0	EC002061

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Classifications

UNSPSC

UNSPSC 6.01	31251501
UNSPSC 7.0901	31251501
UNSPSC 11	31251501
UNSPSC 12.01	31251501
UNSPSC 13.2	31251501

Approvals

Approvals

Approvals

EAC / UL Listed / cUL Listed / cULus Listed

Ex Approvals

Approvals submitted

Approval details

EAC

UL Listed	
mm ² /AWG/kcmil	16
Nominal current I _N	12 A
Nominal voltage U _N	600 V

cUL Listed	
mm ² /AWG/kcmil	16
Nominal current I _N	12 A
Nominal voltage U _N	600 V

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Approvals



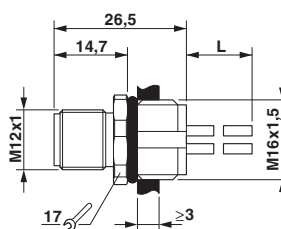
Drawings

Schematic diagram



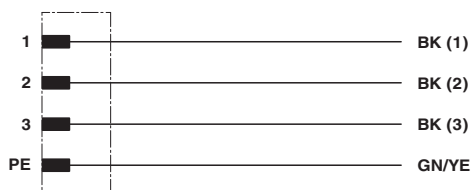
Connector pin assignment of M12 plug, 4-pos., S-coded, view of pin side

Dimensional drawing



M12 flush-type plug

Circuit diagram



Contact assignment of the M12 connector

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Product	Code	Reference	Product link
Sensor/actuator flush-type plug, 4-pos., front/ screw mounting with M16 thread, with 0.5 m PP litz wire, 4 x 1.5 mm ²	1424139	SACC-E- M12MSS-4CON- M16/0,5 PE	Buy on EAN