

## Flush-type connector - SACC-DSI-M12MSS-3P-M16/0,5 PE - 1411653


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Flush-type connector, Universal, 3-position, PlugLink:M12, S power, Rear mounting, M16 x 1.5, Individual wires, Cable length: 0.5 m



### Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 937405
Weight per Piece (excluding packing)	45.8 g
Custom tariff number	85366990
Country of origin	Germany
Product key	ABQEAA
Note	Made to Order (non-returnable)

### Technical data

#### Dimensions

Length of cable	0.5 m
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#### Ambient conditions

Ambient temperature (operation)	-25 °C ... 105 °C (Plug / socket)
	-40 °C ... 105 °C (without mechanical actuation)
Degree of protection	IP65
	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	16 A
Rated voltage	630 V
Rated surge voltage	2 kV

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## Technical data

### General

Number of positions	3
Insulation resistance	≥ 100 MΩ
Coding	S power
Standards/regulations	M12 connector
Signal type/category	Universal
Status display	No
Overvoltage category	III
Pollution degree	3
Connection method	Individual wires
Insertion/withdrawal cycles	> 100
Torque	3 Nm ... 4 Nm (M12 connector)
Mounting type	Rear mounting M16 x 1.5 With flat nut

### Material

Flammability rating according to UL 94	V0
Contact material	CuZn
Contact surface material	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 <sup>2</sup>
AWG signal line	16
Wire colors	black 1, black 2, green/yellow
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 5.1	27143423
eCl@ss 6.0	27143423
eCl@ss 8.0	27440103

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## Classifications

ETIM

ETIM 4.0	EC002061
ETIM 5.0	EC002061

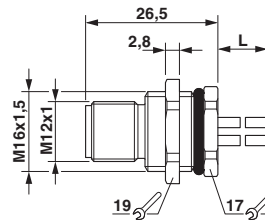
## Drawings

Schematic diagram



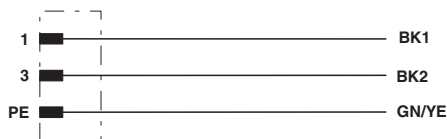
Pin assignment of M12 plug, 3-pos., S-coded, view of pin side

Dimensional drawing



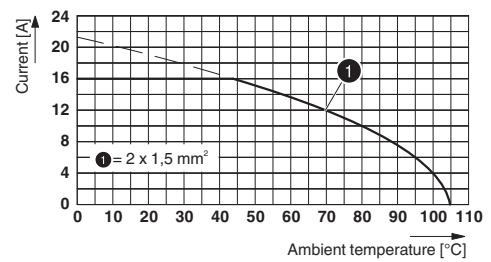
M12 flush-type plug

Circuit diagram



Contact assignment of the M12 plug

Diagram



Derating diagram