

# Flush-type connector - SACC-DSI-M12MST-4P-M16XL/0,5 - 1411604


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Flush-type connector, Power, 4-position, PlugLink:M12, T power, Rear mounting, M16 x 1.5, Individual wires, Cable length: 0.5 m



## Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 936187
Weight per Piece (excluding packing)	51.4 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 ... 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	60 V
Rated surge voltage	1.5 kV
Number of positions	4

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## Technical data

### General

Insulation resistance	≥ 100 MΩ
Coding	T power
Standards/regulations	M12 connector
Signal type/category	Power
Status display	No
Overvoltage category	III
Pollution degree	3
Connection method	Individual wires
Insertion/withdrawal cycles	> 100
Torque	0.8 Nm ... 1.3 Nm (Installation-side)
Mounting type	Rear mounting M16 x 1.5 With flat nut
Assembly instructions	Tightening limitation

### Material

Flammability rating according to UL 94	V0
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA
Material, knurls	Zinc die-cast, 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, brown, blue, white
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 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

## Approvals

### Approvals

#### Approvals

UL Listed / cUL Listed / cULus Listed

#### Ex Approvals

#### Approvals submitted

## Approval details

UL Listed	
mm <sup>2</sup> /AWG/kcmil	16
Nominal current I <sub>N</sub>	12 A
Nominal voltage U <sub>N</sub>	63 V

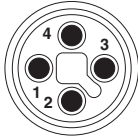
cUL Listed	
mm <sup>2</sup> /AWG/kcmil	16
Nominal current I <sub>N</sub>	12 A
Nominal voltage U <sub>N</sub>	63 V

cULus Listed	
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## Drawings

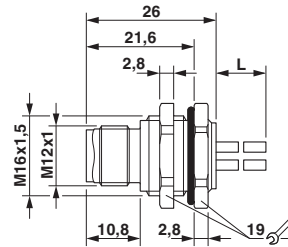
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Schematic diagram



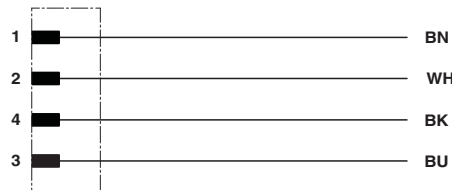
Connector pin assignment of M12 plug, 4-pos.,  
T-coded, view of pin side

Dimensional drawing



M12 flush-type plug

Circuit diagram



Contact assignment of the M12 plug