

Flush-type connector - SACC-DSI-M12MSS-4P-M16XL/0,5PE - 1411603

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

Why buy this product

- For compact devices: transmit high power in a confined space
- Easy-to-install, optimized XL housing contour with wrench size 19
- Tightening limitation for the O-ring gasket
- Pre-assembled with litz wires for immediate use
- Customer-specific assemblies and litz wire lengths available
- Sealed on the litz wire side for optimum leak-tightness
- For high transmission safety: shield connection to the housing with optional EMC nut

Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 936170
Weight per Piece (excluding packing)	52.3 g
Weight per piece (including packing)	52.3 g
Country of origin	Germany
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
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Technical data

General

	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
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 mm²
AWG signal line	16
Wire colors	Black 1, black 2, black 3, green/yellow
Conductor material	Bare Cu litz wires
Standards/specifications	M12 connector
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

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Classifications

eCl@ss

eCl@ss 5.1	27143423
eCl@ss 6.0	27143423
eCl@ss 8.0	27440103
eCl@ss 9.0	27440102

ETIM

ETIM 4.0	EC002061
ETIM 5.0	EC002061

Approvals

Approvals

Approvals

UL Listed / cUL Listed / EAC / cULus Listed

Ex Approvals

Approvals submitted

Approval details

UL Listed 	
mm²/AWG/kcmil	16
Nominal current I _N	12 A
Nominal voltage U _N	600 V

cUL Listed 	
mm²/AWG/kcmil	16
Nominal current I _N	12 A
Nominal voltage U _N	600 V

EAC

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Approvals

cULus Listed 

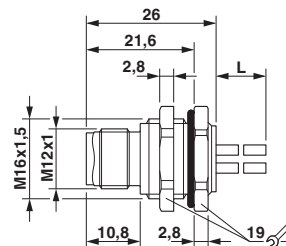
Drawings

Schematic diagram



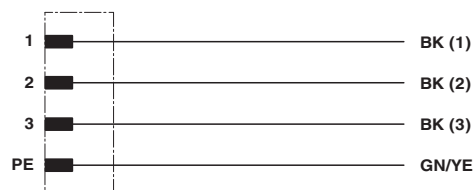
Connector pin assignment of M12 plug, 4-pos.,
S-coded, view of pin side

Dimensional drawing



M12 flush-type plug

Circuit diagram



Contact assignment

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