

# Flush-type connector - SACC-DSI-M12MS-5P-M16XL/0,5 - 1411593

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)




Flush-type connector, Universal, 5-position, PlugLink:M12, A-coded, Rear mounting, M16 x 1.5, Individual wires, Cable length: 0.5 m

The illustration shows the 4-pos. version



## Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 936002
Weight per Piece (excluding packing)	22.22 g
Custom tariff number	85366990
Country of origin	Germany
Product key	ABQCDG
Note	Made to Order (non-returnable)

## Technical data

### Dimensions

Length of cable	0.5 m
-----------------	-------

### Ambient conditions

Ambient temperature (operation)	-25 °C ... 85 °C (Plug / socket)
	-40 °C ... 85 °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	4 A
Rated voltage	60 V

# Flush-type connector - SACC-DSI-M12MS-5P-M16XL/0,5 - 1411593

## Technical data

### General

Rated surge voltage	1.5 kV
Number of positions	5
Insulation resistance	≥ 100 MΩ
Coding	A - standard
Standards/regulations	M12 connector IEC 61076-2-101
Signal type/category	Universal
Status display	No
Overvoltage category	II
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 66
Material, knurls	Zinc die-cast, nickel-plated
Sealing material	FKM

### Cable

Cable type	TPE litz wire
Conductor cross section	0.34 mm <sup>2</sup>
AWG signal line	22
Conductor structure signal line	7x 0.25 mm
Core diameter including insulation	1.2 mm ±0.07 mm
Thickness, insulation	0.21 mm
Wire colors	Black, brown, blue, white, gray
Material conductor insulation	TPE
Conductor material	Tin-plated Cu litz wires
Insulation resistance	≥ 20 MΩ*km
Conductor resistance	≤ 57.6 mΩ/m
Nominal voltage, cable	300 V
Test voltage, cable	2000 V AC
Ambient temperature (operation)	-40 °C ... 85 °C (cable, fixed installation)
	-25 °C ... 85 °C (cable, flexible installation)

### Standards and Regulations

Standard designation	M12 connector
----------------------	---------------

# Flush-type connector - SACC-DSI-M12MS-5P-M16XL/0,5 - 1411593

## Technical data

### Standards and Regulations

Standards/regulations	IEC 61076-2-101
Flammability rating according to UL 94	V0

## Classifications

### eCl@ss

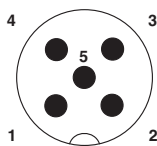
eCl@ss 5.1	27143423
eCl@ss 6.0	27143423
eCl@ss 8.0	27440103

### ETIM

ETIM 4.0	EC002061
ETIM 5.0	EC002061

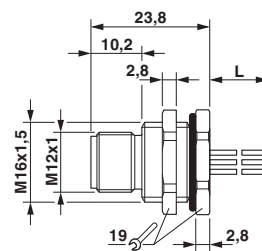
## Drawings

Schematic diagram



Pin assignment M12 male connector, 5-pos., A-coded, male side

Dimensional drawing



M12 flush-type plug

Circuit diagram



Contact assignment of the M12 plug