

# SACC-DSI-M12MST-4CON-M16/1,0 - Device connector rear mounting



1037080

<https://www.phoenixcontact.com/us/products/1037080>

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 documentation. Our general terms of use for downloads are valid.



Device connector rear mounting, Power, 4-position, Pin, M12, T-coding, on free cable end, Individual wires, cable length: 1 m, 1.31 mm<sup>2</sup>, UL/cUL stranded hook-up wire, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1238144

## Your advantages

- For compact devices: transmit high power in a confined space
- Preassembled 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

## Commercial data

Item number	1037080
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	AB24
Product key	ABQCGG
GTIN	4055626570501
Weight per piece (including packing)	82.2 g
Weight per piece (excluding packing)	75.749 g
Customs tariff number	85444290
Country of origin	DE

# SACC-DSI-M12MST-4CON-M16/1,0 - Device connector rear mounting



1037080

<https://www.phoenixcontact.com/us/products/1037080>

## Technical data

### Notes

Notes on operation	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.
Order information:	Lock nut is included in the scope of delivery

### Mounting

Mounting type	Rear mounting
Tightening torque	M12 connector

### Product properties

Product type	Circular connectors (device side)
Number of positions	4
No. of cable outlets	1
Shielded	no
Coding	T
Thread type	M12

### Insulation characteristics

Overvoltage category	III
Degree of pollution	3

### Material specifications

Flammability rating according to UL 94	V0
Seal material	FKM
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA
Material for screw connection	CuZn alloy, nickel-plated
Conductor material	Bare Cu litz wires

### Electrical properties

Rated surge voltage	1.5 kV
Rated surge voltage	1.5 kV AC/DC
Contact resistance	≤ 3 mΩ
Insulation resistance	≥ 100 MΩ
Nominal voltage $U_N$	63 V
Nominal current $I_N$	12 A
Test voltage	1.5 kV

# SACC-DSI-M12MST-4CON-M16/1,0 - Device connector rear mounting



1037080

<https://www.phoenixcontact.com/us/products/1037080>

## Connection data

### Conductor connection

Connection method	Individual wires
Contact connection type	Pin
Conductor cross-section	1.31 mm <sup>2</sup>
Tightening torque	M12 connector

## Mechanical properties

### Mechanical data

Insertion/withdrawal cycles	> 100
-----------------------------	-------

## Connector

### Connection 1

Head design	Pin
Head thread type	M12
Coding	T

### Connection 2

Head design	free cable end
-------------	----------------

## Cable/line

Cable length	1 m
Cable type	UL/cUL stranded hook-up wire
Signal type/category	Power
Wire diameter incl. insulation	2 mm
Single wire, color	black, brown, blue, white
Cable cross section	1.31 mm <sup>2</sup>
Conductor material	Bare Cu litz wires
AWG signal line	16
Material wire insulation	mPPE
Halogen-free	yes
Flame resistance	in acc. to UL 1581 VW1
Ambient temperature (operation)	-40 °C ... 105 °C (cable, fixed installation) -20 °C ... 105 °C (Cable, flexible installation)

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP67 IP65/IP67
Ambient temperature (operation) (male connector/female connector)	-25 °C ... 85 °C (Plug / socket)

# SACC-DSI-M12MST-4CON-M16/1,0 - Device connector rear mounting



1037080

<https://www.phoenixcontact.com/us/products/1037080>

Ambient temperature (operation) (Cable, flexible installation)	-20 °C ... 105 °C (Cable, flexible installation)
Ambient temperature (operation) (Cable, fixed installation)	-40 °C ... 105 °C (cable, fixed installation)

## Standards and regulations

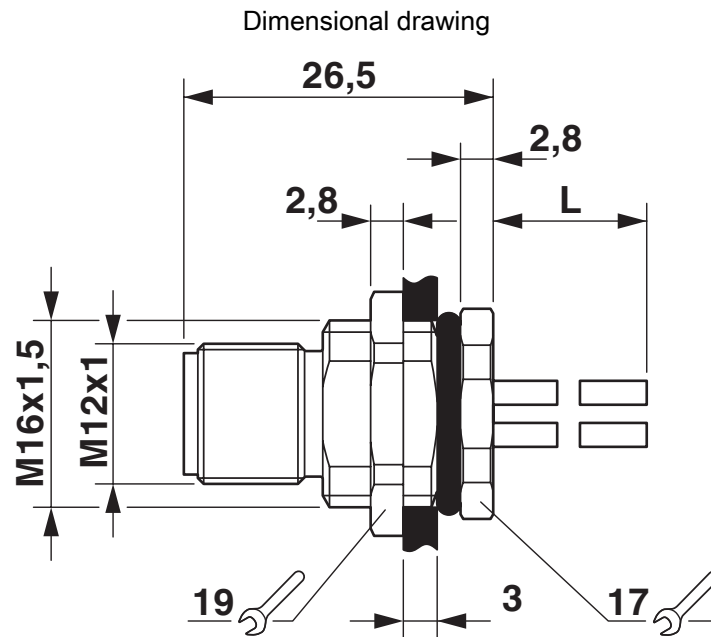
Flame resistance	in acc. to UL 1581 VW1
Standard designation	M12 circular connector
Standards/specifications	according to IEC 61076-2-111

# SACC-DSI-M12MST-4CON-M16/1,0 - Device connector rear mounting

1037080

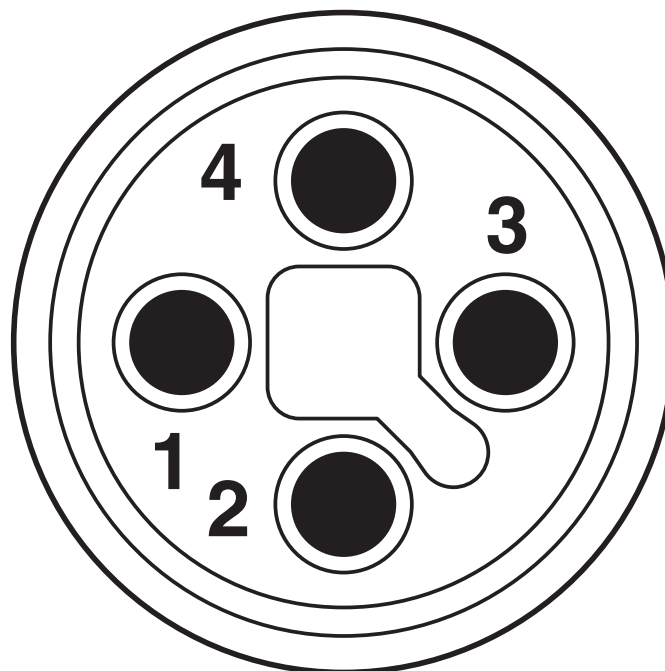
<https://www.phoenixcontact.com/us/products/1037080>

## Drawings



M12 flush-type plug

Schematic diagram



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

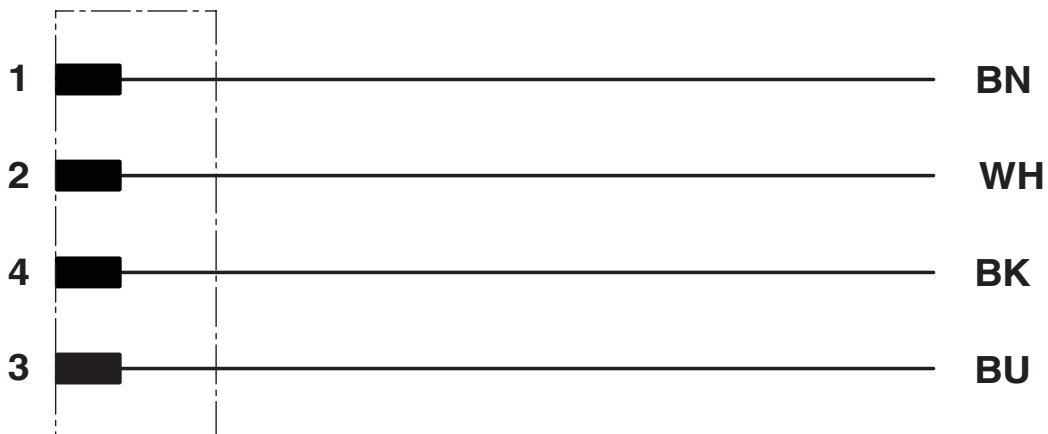
# SACC-DSI-M12MST-4CON-M16/1,0 - Device connector rear mounting



1037080

<https://www.phoenixcontact.com/us/products/1037080>

Circuit diagram



Contact assignment of the M12 plug

# SACC-DSI-M12MST-4CON-M16/1,0 - Device connector rear mounting



1037080

<https://www.phoenixcontact.com/us/products/1037080>

## Classifications

### ECLASS

ECLASS-13.0	27440116
-------------	----------

### UNSPSC

UNSPSC 21.0	39121400
-------------	----------

# SACC-DSI-M12MST-4CON-M16/1,0 - Device connector rear mounting



1037080

<https://www.phoenixcontact.com/us/products/1037080>

## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)

### China RoHS

Environment friendly use period (EFUP)	EFUP-50 An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.
--	--

### EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	f8cf56c5-d02f-4669-b2e1-9fff6b64c035

Phoenix Contact 2026 © - all rights reserved  
<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)