

# Device connector, rear mounting - SACC-MCI-MST-4CON/0,5 SCO



1424130

<https://www.phoenixcontact.com/us/products/1424130>

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Assembled contact carrier and insulating body, T-coding, 4-pos., 0.5 m long litz wires

## Your advantages

- For compact devices: transmit high power in a confined space
- Convenient field assembly: device connectors for fast on-site mounting
- Customer-specific assemblies and litz wire lengths available
- Standard pin assignments for signal and power transmission with a uniform design-in design

## Commercial Data

Item number	1424130
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	A11
Product Key	ABQEAA
Catalog Page	Page 280 (C-2-2019)
GTIN	4046356693332
Weight per Piece (including packing)	34 g
Weight per Piece (excluding packing)	34 g
Customs tariff number	85366990
Country of origin	DE

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## 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.
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### Product properties

Product type	Contact insert
Number of positions	4
No. of cable outlets	1
Shielded	no
Coding	T power

### Insulation characteristics

Overvoltage category	III
Degree of pollution	3

### Electrical properties

Rated voltage in acc. with IEC 61076-2-101	63 V
Rated surge voltage	1.5 kV
Rated surge voltage	6 kV AC
Contact resistance	$\leq 3 \text{ m}\Omega$
Insulation resistance	$\geq 100 \text{ M}\Omega$
Nominal voltage $U_N$	63 V DC
Nominal current $I_N$	12 A
Test voltage	1.5 kV

### Interfaces

Signal type/category	Power
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### LED signaling

Status display	No
Status display present	No

### Material specifications

Flammability rating according to UL 94	V0
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA6

### Connector

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## Header 1

Coding	T power
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## Cable / line

Cable length	0.5 m
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## Cable structure

Cable type	UL/cUL stranded hook-up wire
Signal type/category	Power
Conductor material	Bare Cu litz wires
AWG signal line	16
Material wire insulation	mPPE
Wire diameter incl. insulation	2 mm
Single wire, color	Black, brown, blue, white

## Ambient conditions

Halogen-free	yes
Flame resistance	in acc. to UL 1581 VW1
Ambient temperature (operation)	-20 °C ... 105 °C (Cable, flexible installation)
	-40 °C ... 105 °C (cable, fixed installation)

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP67
Degree of protection	IP67
Ambient temperature (operation)	-25 °C ... 85 °C (Plug / socket)
	-20 °C ... 105 °C (Cable, flexible installation)
	-40 °C ... 105 °C (cable, fixed installation)

## Standards and regulations

Flame resistance	in acc. to UL 1581 VW1
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### M12

Standards/specifications	IEC 61076-2-111
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## Mounting

Mounting type	Rear mounting
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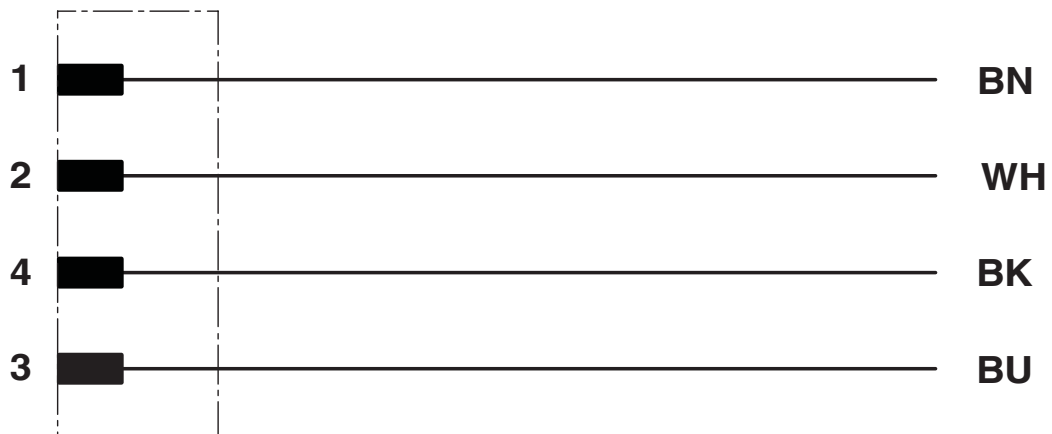
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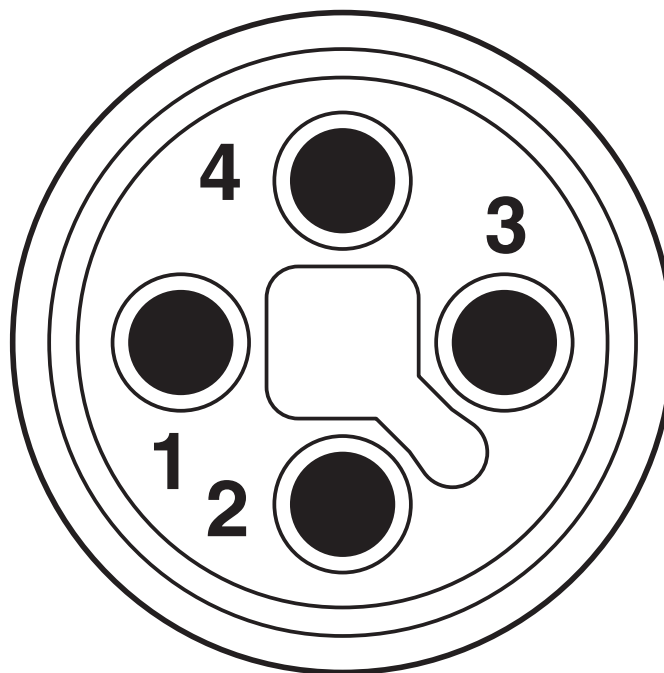
## Drawings

Circuit diagram



Contact assignment of the M12 plug

Schematic diagram



Pin assignment for M12 plug, 4-pos., T-coded, view of plug side

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## Approvals



**EAC**

Approval ID: B.01687



**cUL Recognized**

Approval ID: E468743-20190917

	Nominal Voltage $U_N$	Nominal Current $I_N$	Cross Section AWG	Cross Section $\text{mm}^2$
	63 V	12 A	- 16	-



**UL Recognized**

Approval ID: E468743-20190917

	Nominal Voltage $U_N$	Nominal Current $I_N$	Cross Section AWG	Cross Section $\text{mm}^2$
	63 V	12 A	- 16	-

**cULus Recognized**

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## Classifications

### ECLASS

ECLASS-9.0	27440102
ECLASS-10.0.1	27440102
ECLASS-11.0	27440102

### ETIM

ETIM 8.0	EC002635
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### UNSPSC

UNSPSC 21.0	39121400
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## Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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## Accessories

### Flange

Flange - SACC-MSQ-P-M12MS-25-2,7 SCO - 1424131

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Flange housing, 25 mm x 25 mm



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