

# SACC-MCI-MST-4CON/1,0 SCO - Device connector, rear mounting



1162530

<https://www.phoenixcontact.com/us/products/1162530>

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Device connector, rear mounting, Power, 4-position, straight, coding: T, Rear mounting, Individual wires, cable length: 0.5 m, 1.31 mm<sup>2</sup>, UL/cUL stranded hook-up wire

## 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	1162530
Packing unit	1 pc
Minimum order quantity	50 pc
Sales key	AB27
Product key	ABQCEI
GTIN	4063151172565
Weight per piece (including packing)	22.22 g
Weight per piece (excluding packing)	22.22 g
Customs tariff number	85444290
Country of origin	DE

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## Technical data

### Notes

General	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
Sensor type	Power
Number of positions	4
No. of cable outlets	1
Shielded	no
Coding	T

### 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
	6 kV AC
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

### Interfaces

Signal type/category	Power
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### 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	PA 6

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Conductor material	Bare Cu litz wires
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## Connector

### Connection 1

Head cable outlet	straight
Coding	T

## Cable/line

Cable length	0.5 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
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 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

Standard designation	M12 connector
Standards/specifications	IEC 61076-2-111
Note	In line with

## Mounting

Mounting type	Rear mounting
Connection method	Individual wires

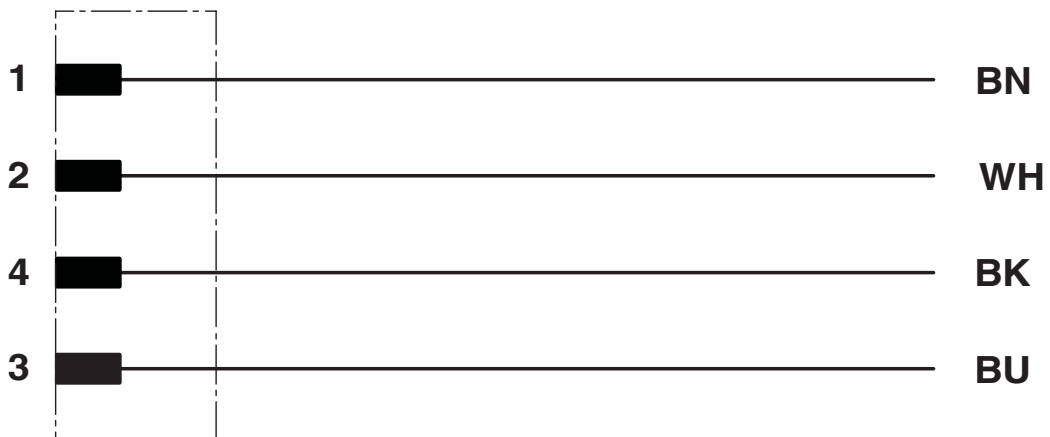
# SACC-MCI-MST-4CON/1,0 SCO - Device connector, rear mounting

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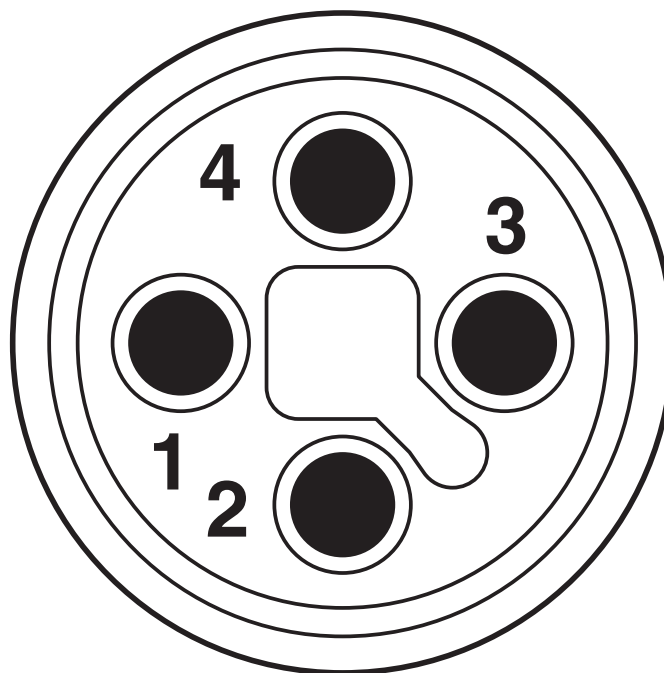
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## Drawings

Circuit diagram



Schematic diagram



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

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## Approvals

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**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-11.0	27440102
ECLASS-12.0	27440116
ECLASS-13.0	27440116

### 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

### SACC-MSQ-P-M12MS-25-2,7 SCO - Housing screw connection

1424131

<https://www.phoenixcontact.com/us/products/1424131>



Housing screw connection, Front mounting, square flange 25 mm side length,  
Square flange

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