SACC-MCI-MST-4CON/1,5 SCO - Device connector, rear mounting

1162531

https://www.phoenixcontact.com/us/products/1162531

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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^2, 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	1162531
Packing unit	1 pc
Minimum order quantity	50 pc
Sales key	AB27
Product key	ABQCEI
GTIN	4063151172961
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.

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

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

Conductor material	Bare Cu litz wires

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

M12

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

Mounting

Mounting type	Rear mounting
Connection method	Individual wires

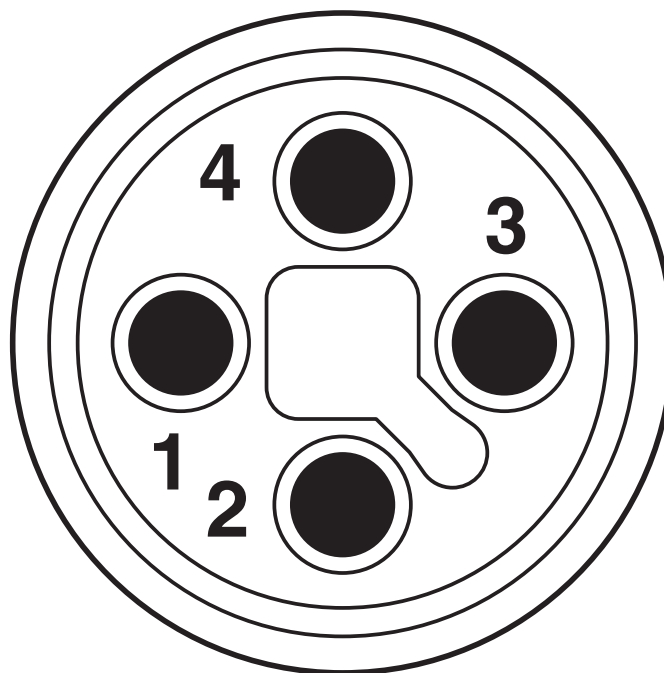# SACC-MCI-MST-4CON/1,5 SCO - Device connector, rear mounting

Drawings

Circuit diagram

1	BN
2	WH
4	BK
3	BU
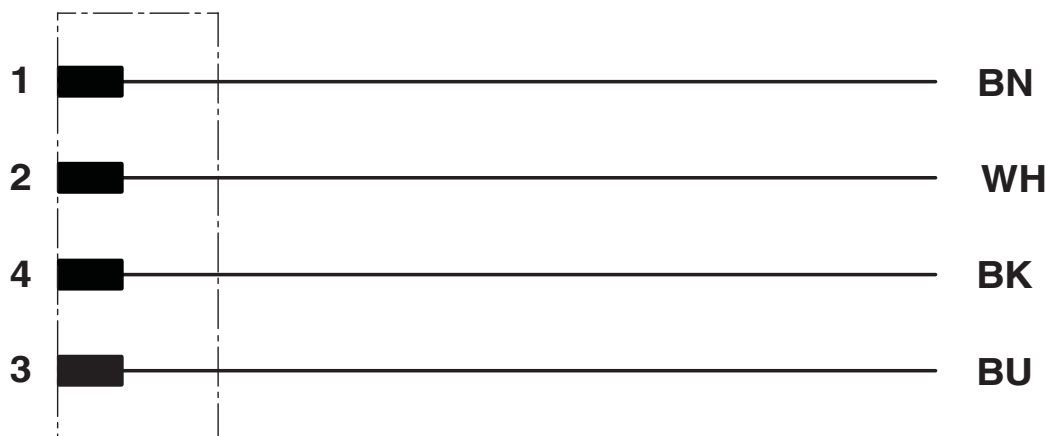
Schematic diagram

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

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Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1162531

	EAC
	Approval ID: B.01687

cUL Recognized
Approval ID: E468743-20190917

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section 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 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

UNSPSC

UNSPSC 21.0	39121400

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