

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

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.



Contact carrier, Power, 4-position, Pin, straight, M12-SPEEDCON, coding: T, Front mounting, Square flange, Individual wires, cable length: 0.5 m, 1.31 mm², 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	1424130
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB24
Product key	ABQCEI
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

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
Application	Power
No. of cable outlets	1
Seal present	no
Shielded	no
Coding	T
Thread type	M12

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	$\leq 3 \text{ m}\Omega$
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

Connection data

Connection method	Individual wires
-------------------	------------------

Interfaces

Signal type/category	Power
----------------------	-------

Signaling

Status display	No
Status display present	No

Material specifications

SACC-MCI-MST-4CON/0,5 SCO - Contact carrier



1424130

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

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 design	Pin
Head cable outlet	straight
Head thread type	M12
Head locking type	SPEEDCON
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
Cable cross section	1.31 mm²
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

SACC-MCI-MST-4CON/0,5 SCO - Contact carrier



1424130

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

Mounting

Mounting type	Front mounting Square flange
---------------	------------------------------

SACC-MCI-MST-4CON/0,5 SCO - Contact carrier



1424130

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

Classifications

ECLASS

ECLASS-11.0	27440223
ECLASS-12.0	27440116
ECLASS-13.0	27440223

ETIM

ETIM 9.0	EC003557
----------	----------

UNSPSC

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



1424130

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

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"

Phoenix Contact 2024 © - 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