SACC-E-M12MSL4CONM16XL/0,2-1,5 - Device connector front mounting

PHOENIX CONTACT

1425631

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Device connector front mounting, Power, 4-position, Pin, straight, M12-Standard, coding: L, on free cable end, Front mounting, M16 x 1.5, Individual wires, cable length: 0.2 m, 1.31 mm^2, UL/cUL stranded hook-up wire, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239545

Your advantages

• For compact devices: transmit high power in a confined space

• Easy-to-install, optimized XL housing contour with wrench size 19

• Mechanical tightening limitation for long-term-stable gasket

• 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	1425631
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB24
Product key	ABQCEG
Catalog page	Page 285 (C-2-2019)
GTIN	4055626425801
Weight per piece (including packing)	27.7 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.

Mounting

Mounting type	Front mounting M16 x 1.5 Tightening limitation
Assembly instructions	Tightening limitation

Product properties

Product type	Circular connectors (device side)
Sensor type	Power
Number of positions	4
No. of cable outlets	1
Shielded	no
Coding	L
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	Ni/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
	1.5 kV AC/DC
Nominal voltage U_N	63 V DC
Nominal current I_N	12 A
Test voltage	1.5 kV
Test voltage Core/Core	3 kV

Connection data

Conductor connection

Connection method	Individual wires
Contact connection type	Pin
Conductor cross section	1.31 mm²

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	> 100

Connector

Connection 1

Head design	Pin
Head cable outlet	straight
Head thread type	M12
Head locking type	Standard
Coding	L

Connection 2

Head design	free cable end

Cable/line

Cable length	0.2 m
Cable type	UL/cUL stranded hook-up wire
Signal type/category	Power
Wire diameter incl. insulation	2 mm
Single wire, color	brown 1, white 2, blue 3, black 4
Cable cross section	1.31 mm²
Conductor material	Bare Cu litz wires
AWG signal line	16
Material wire insulation	mPPE
Test voltage Core/Core	3 kV
Halogen-free	yes
Flame resistance	in acc. to UL 1581 VW1
Ambient temperature (operation)	-40 °C ... 85 °C (without mechanical actuation)
	-40 °C ... 85 °C (without mechanical actuation)
	-25 °C ... 105 °C (Cable, flexible installation)

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP67

	IP65/IP67
Ambient temperature (operation)	-25 °C ... 85 °C (Plug / socket)
	-40 °C ... 85 °C (without mechanical actuation)
	-25 °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

Classifications

ECLASS

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

ETIM

ETIM 9.0	EC002635

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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