SACC-MCI-M12MS-5CON - Contact carrier

1419988

https://www.phoenixcontact.com/us/products/1419988

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The figure shows the 5-position version of the product

Contact carrier, 5-position, Pin, straight, M12, A-coding, Crimp connection, 0.34 mm^2, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0. 1 %)

Your advantages

- Convenient field assembly: device connectors for fast on-site mounting
- Contact carriers that are designed for assembly or available with preassembled litz wires
- Standard pin assignments for signal and power transmission with a uniform design-in design

Commercial data

Item number	1419988
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	AB23
Product key	ABQAGM
GTIN	4046356533751
Weight per piece (including packing)	2.4 g
Weight per piece (excluding packing)	0.725 g
Customs tariff number	85366990
Country of origin	DE

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.
Order information:	Order crimp contacts separately

Product properties

Product type	Contact insert
Application	Signal
Number of positions	5
No. of cable outlets	1
No. of control contacts	5
Seal present	no
Shielded	no
Coding	A
Thread type	M12

Insulation characteristics

Overvoltage category	II
Degree of pollution	3

Electrical properties

Rated surge voltage	1.5 kV
Contact resistance	≤ 3 mΩ
Insulation resistance	≥ 100 MΩ
Nominal voltage U_N	60 V
Nominal current I_N	4 A

Connection data

Connection method	Crimp connection

Signaling

Status display	no
Status display present	no

Material specifications

Material Contact carrier	PA 6.6
Flammability rating according to UL 94	V0

Connector

Connection 1

Head design	Pin
Head cable outlet	straight
Head thread type	M12
Coding	A

Cable/line

Cable cross section	0.34 mm²

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	> 100

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP67
Ambient temperature (operation) (male connector/female connector)	-25 °C ... 85 °C
	-40 °C ... 85 °C (without mechanical actuation)
UL Type Rating	Type 4 (indoor use only)

Standards and regulations

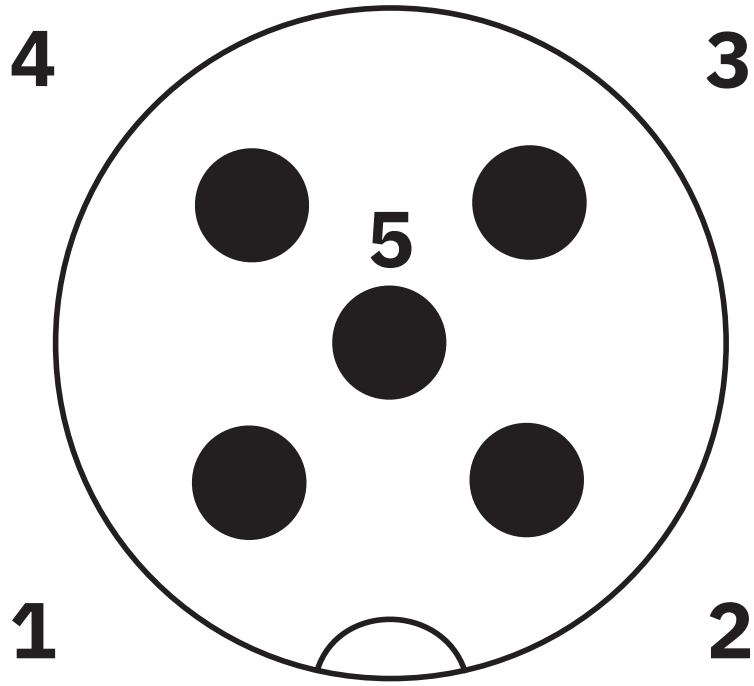
Standard designation	M12 circular connector
Standards/specifications	according to IEC 61076-2-101

Mounting

Mounting type	Front/square flange mounting (25 mm side length)

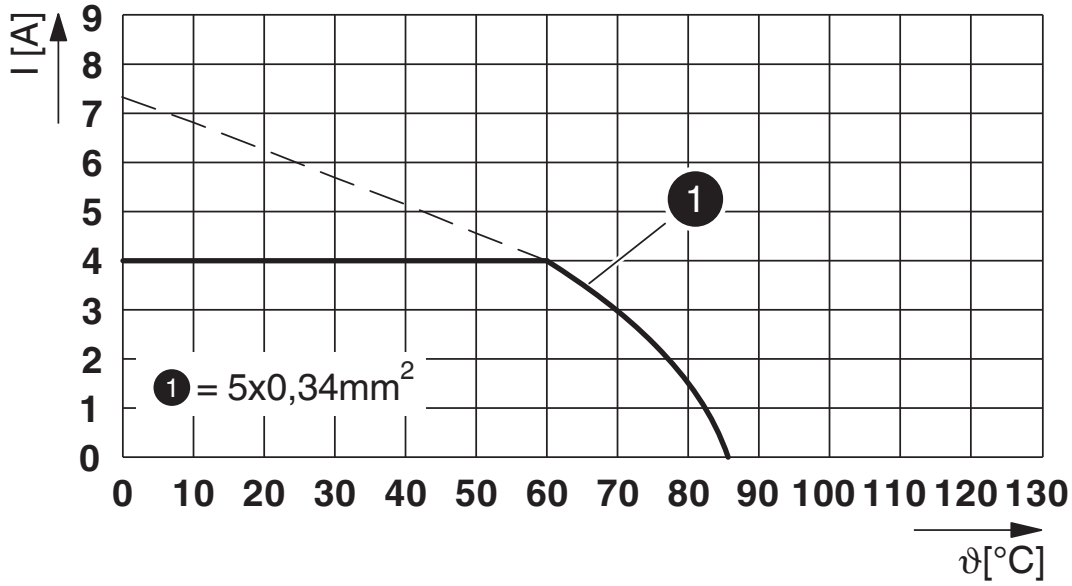
Drawings

Schematic diagram



Pin assignment M12 male connector, 5-pos., A-coded, male side

Diagram



I = current strength, T = ambient temperature

Classifications

ECLASS

ECLASS-13.0	27440223
ECLASS-15.0	27440223

ETIM

ETIM 10.0	EC003557

UNSPSC

UNSPSC 21.0	39121400

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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