

# SACC-MCI-M12MS-8CON - Contact carrier



1440928

<https://www.phoenixcontact.com/us/products/1440928>

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Contact carrier, 8-position, Pin, straight, M12, A-coding, Crimp connection, 0.25 mm<sup>2</sup>

The figure shows the 8-position version of the product

## 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	1440928
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	AB24
Product key	ABQCED
GTIN	4046356533768
Weight per piece (including packing)	1.4 g
Weight per piece (excluding packing)	0.73 g
Customs tariff number	85366990
Country of origin	DE

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## 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	8
No. of cable outlets	1
No. of control contacts	8
Seal present	no
Shielded	no
Coding	A
Thread type	M12

### Insulation characteristics

Overvoltage category	II
Degree of pollution	3

### Electrical properties

Rated surge voltage	0.8 kV
Contact resistance	$\leq 3 \text{ m}\Omega$
Insulation resistance	$\geq 100 \text{ M}\Omega$
Nominal voltage $U_N$	30 V
Nominal current $I_N$	2 A

### Connection data

Connection method	Crimp connection
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### Signaling

Status display	no
Status display present	no

### Material specifications

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

### Connector

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## Connection 1

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

## Cable/line

Cable cross section	0.25 mm <sup>2</sup>
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## Mechanical properties

### Mechanical data

Insertion/withdrawal cycles	> 100
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## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP67
Ambient temperature (operation) (male connector/female connector)	-25 °C ... 85 °C
Ambient temperature (operation) (fixed installation)	-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)
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## Drawings

Schematic diagram



Pin assignment M12 plug, 8-pos., view plug side

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## Classifications

### ECLASS

ECLASS-13.0	27440223
ECLASS-15.0	27440223

### ETIM

ETIM 10.0	EC003557
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### UNSPSC

UNSPSC 21.0	39121400
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### 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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