

# SACC-CI-M12MSD-4CON-L90 SH SCO - Contact carrier



1436673

<https://www.phoenixcontact.com/us/products/1436673>

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Contact carrier, Ethernet/PROFINET CAT5 (100 Mbps), 4-position, Pin, angled, M12, D-coding, Wave soldering, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %)

## Your advantages

- Reduced mounting costs thanks to two-piece device connector
- All common pin assignments and codings available
- Easy device integration thanks to mechanical port screw connections with threaded attachment, press-in contour or direct integration in the front plate
- Additional gasket for the device when not plugged in

## Commercial data

Item number	1436673
Packing unit	20 pc
Minimum order quantity	1 pc
Sales key	AB23
Product key	ABQAHA
GTIN	4046356438742
Weight per piece (including packing)	5.005 g
Weight per piece (excluding packing)	3.29 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.
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### Product properties

Product type	Contact insert
Application	Signal
Sensor type	Ethernet/PROFINET
Number of positions	4
Seal present	yes
Shielded	yes
Coding	D
Thread type	M12

### Insulation characteristics

Overvoltage category	II
Degree of pollution	3

### Electrical properties

Rated surge voltage	2.5 kV
Contact resistance	$\leq 3 \text{ m}\Omega$
Insulation resistance	$\geq 100 \text{ M}\Omega$
Nominal voltage $U_N$	250 V
Nominal current $I_N$	4 A
Transmission speed	100 Mbps
Transmission characteristics (category)	CAT5 (IEC 11801:2002)

### Connection data

Connection method	Wave soldering
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### Interfaces

Signal type/category	Ethernet/PROFINET CAT5, 100 Mbps
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### Material specifications

Material Contact carrier	PA 6.6
Material Contact	CuZn
Material Contact surface	Au
Material Seal	FKM / EPDM
Flammability rating according to UL 94	V0

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## Connector

### Connection 1

Head design	Pin
Head cable outlet	angled
Head thread type	M12
Coding	D

## Cable/line

Signal type/category	Ethernet/PROFINET CAT5, 100 Mbps
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## 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 (Plug / socket) -40 °C ... 85 °C (without mechanical actuation)

## Standards and regulations

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

## Packaging specifications

Type of packaging	Blister
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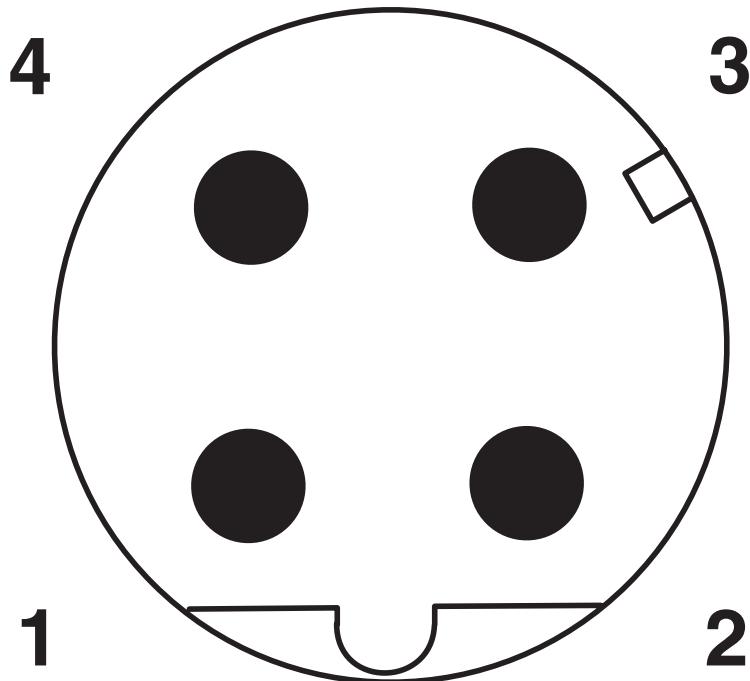


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## Drawings

Schematic diagram



Pin assignment M12 male connector, 4-pos., D-coded, male side

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## Approvals

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<b>cUL Recognized</b> Approval ID: E118976-20100522				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $mm^2$
keine	250 V	4 A	22	-

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## Classifications

### ECLASS

ECLASS-13.0	27440223
ECLASS-15.0	27440223

### ETIM

ETIM 9.0	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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