

# SACC-CI-M12FSD-4CON-L90 SCO - Contact carrier



1432457

<https://www.phoenixcontact.com/us/products/1432457>

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Contact carrier, Ethernet/PROFINET CAT5 (100 Mbps), 4-position, Socket, angled, M12-SPEEDCON, coding: D, PCB mounting, Wave soldering, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1237421

## 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	1432457
Packing unit	20 pc
Minimum order quantity	20 pc
Sales key	AB23
Product key	ABQAHS
Catalog page	Page 252 (C-2-2013)
GTIN	4046356410748
Weight per piece (including packing)	5.14 g
Weight per piece (excluding packing)	4.026 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.
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### Product properties

Product type	Contact insert
Sensor type	Ethernet/PROFINET
Number of positions	4
Application	Signal
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	≤ 3 mΩ
Insulation resistance	≥ 100 MΩ
Nominal voltage $U_N$	250 V
Nominal current $I_N$	4 A
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

Flammability rating according to UL 94	V0
Seal material	FKM / EPDM
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA 6T/66

### Connector

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## Connection 1

Head design	Socket
Head cable outlet	angled
Head thread type	M12
Head locking type	SPEEDCON
Coding	D

## Cable/line

Signal type/category	Ethernet/PROFINET CAT5, 100 Mbps
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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
	IP67
Ambient temperature (operation)	-25 °C ... 105 °C (Plug / socket)
	-40 °C ... 105 °C (without mechanical actuation)

## Standards and regulations

### M12

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

## Mounting

Mounting type	PCB mounting
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## Packaging specifications

Type of packaging	Blister
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## Classifications

### ECLASS

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

### ETIM

ETIM 9.0	EC002635
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### 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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