

1432457

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

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Contact carrier, Ethernet/PROFINET CAT5 (100 Mbps), 4-position, Socket, angled, M12, D-coding, Wave soldering, this item is expected to be lead-free from Q4 2025 in accordance with RoHS II without exception 6c (Pb < 0.1%), a lead-free alternative is possible on request in advance

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	1 pc
Sales key	AB23
Product key	ABQAHS
GTIN	4046356410748
Weight per piece (including packing)	5.14 g
Weight per piece (excluding packing)	3.422 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.
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Product properties

Product type	Contact insert
Application	Data
	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 6T/66
Material Contact	CuZn
Material Contact surface	Au
Material Seal	FKM
Flammability rating according to UL 94	V0

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



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Connector

Connection 1

Head design	Socket
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
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Environmental and real-life conditions

Ambient conditions

Degree of protection	IP67
Ambient temperature (operation) (male connector/female connector)	-25 °C ... 105 °C (Plug / socket)
	-40 °C ... 105 °C (without mechanical actuation)

Standards and regulations

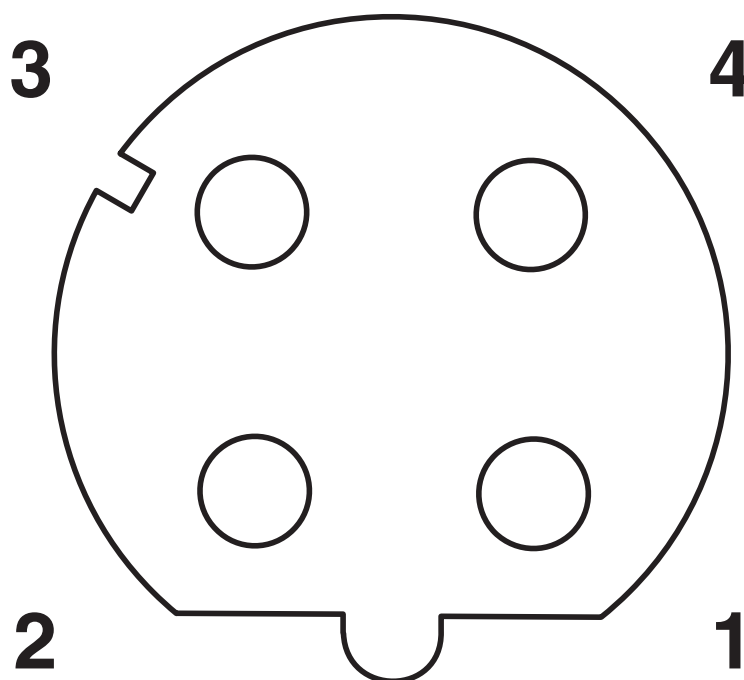
Standard designation	M12 circular connector
Standards/specifications	according to IEC 61076-2-101

Packaging specifications

Type of packaging	Blister
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Drawings


Schematic diagram




Pin assignment M12 socket, 4-pos., D-coded, female side

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1432457>

<div> cUL Recognized Approval ID: E118976-20100522</div>				
	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
Exemption	6(c)

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	7a13e7fb-60c8-40eb-a338-770fc341d36e

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