

1439887
<https://www.phoenixcontact.com/no/products/1439887>

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Contact carrier, 4-position, Pin, angled, M12-SPEEDCON, coding: A, PCB mounting, Wave soldering, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239691

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	1439887
Packing unit	20 pc
Minimum order quantity	20 pc
Sales key	31BAB
Product key	ABQAHA
Catalog page	Page 252 (C-2-2013)
GTIN	4046356476614
Weight per piece (including packing)	4.938 g
Weight per piece (excluding packing)	4.595 g
Customs tariff number	85366990
Country of origin	DE

SACC-CI-M12MS-4CON-L90 SH SCO - Contact carrier



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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
Number of positions	4
Application	Signal
Seal present	yes
Shielded	yes
Coding	A
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

Connection data

Connection method	Wave soldering
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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 6.6

Connector

Connection 1

Head design	Pin
Head cable outlet	angled
Head thread type	M12

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Head locking type	SPEEDCON
Coding	A

Cable/line

Ambient temperature (operation)	-40 °C ... 85 °C (cable, fixed installation)
	-25 °C ... 85 °C (Cable, flexible installation)

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 ... 85 °C (Plug / socket)
	-40 °C ... 85 °C (without mechanical actuation)
	-25 °C ... 85 °C (Cable, flexible installation)
	-40 °C ... 85 °C (cable, fixed installation)

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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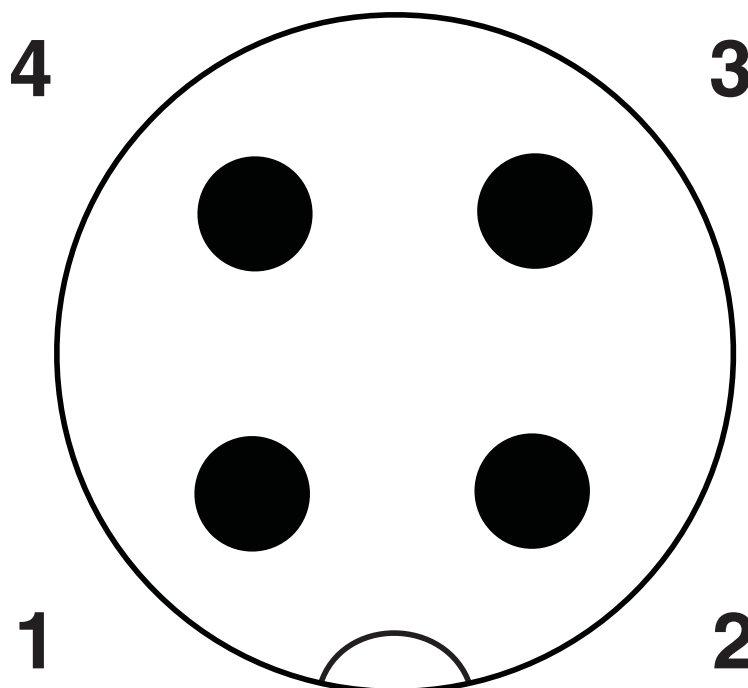


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Drawings

Schematic diagram



Pin assignment M12 plug, 4-pos., A-coded, view plug side

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Approvals

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 cUL Recognized Approval ID: E118976-20100522				
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
	250 V	4 A	22 - 22	-

 UL Recognized Approval ID: E118976-20100522				
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
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cULus Recognized				
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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

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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