

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



1440708

<https://www.phoenixcontact.com/us/products/1440708>

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Contact carrier, 4-position, Socket, angled, coding: D, PCB mounting, Solder pins, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239708

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	1440708
Packing unit	20 pc
Minimum order quantity	20 pc
Sales key	AB23
Product key	ABQAGS
GTIN	4046356509077
Weight per piece (including packing)	5.042 g
Weight per piece (excluding packing)	4.63 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	Data
	Signal
Number of positions	4
Coding	D

Data management status

Article revision	04
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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	Solder pins
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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	Socket
Head cable outlet	angled
Coding	D

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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
Thread type	()

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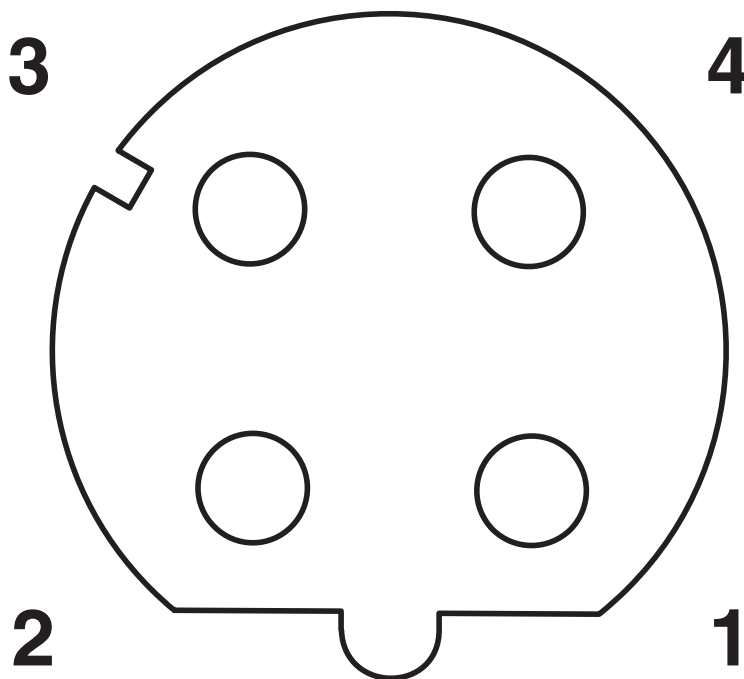


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Drawings

Schematic diagram



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

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1440708>

 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				
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cULus Recognized				
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Classifications

ECLASS

ECLASS-11.0	27440109
ECLASS-12.0	27440109
ECLASS-13.0	27460201

ETIM

ETIM 9.0	EC002637
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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	759eb394-21ed-4c92-880f-92d81c3ca016