

SACC-DSI-FSD-4-PL180/12 EMV SH - Device
connector rear mounting



1402604
<https://www.phoenixcontact.com/us/products/1402604>

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Device connector rear mounting, Universal, 4-position, shielded, Socket, M12, coding: D, Rear mounting, Wave soldering, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1238685

Your advantages

- Easy PCB assembly: one-piece connectors for wave soldering
- All standard pin assignments and codings for signal, data, and power transmission with a uniform design-in design
- SPEEDCON fast locking system reduces cabling times
- For high transmission reliability: optional shield connection to the housing by means of shield contact

Commercial data

Item number	1402604
Packing unit	20 pc
Minimum order quantity	100 pc
Note	Made to order (non-returnable)
Product key	ABQEHD
GTIN	4046356624565
Weight per piece (including packing)	14.08 g
Weight per piece (excluding packing)	14.08 g
Country of origin	DE

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Technical data

Notes

Order information:	Lock nut is included in the scope of delivery
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.

Mounting

Mounting type	Rear mounting
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Product properties

Product type	Circular connectors (device side)
Sensor type	Universal
Number of positions	4
Shielded	yes
Coding	D
Thread type	M12

Insulation characteristics

Overvoltage category	II
Degree of pollution	3

Dimensions

Length of the solder pin	12 mm
	12 mm

Material specifications

Flammability rating according to UL 94	V0
Seal material	NBR
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA 6.6
Material for screw connection	Zinc die-cast, nickel-plated

Electrical properties

Nominal voltage U_N	250 V
Nominal current I_N	4 A

Connection data

Conductor connection

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Connection method	Wave soldering
Contact connection type	Socket

Connector

Connection 1

Head design	Socket
Head thread type	M12
Coding	D

Cable/line

Signal type/category	Universal
Ambient temperature (operation)	-40 °C ... 85 °C (cable, fixed installation)
	-25 °C ... 85 °C (Cable, flexible installation)

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP67 (When plugged in)
	IP65 (When plugged in)
	IP65/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

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

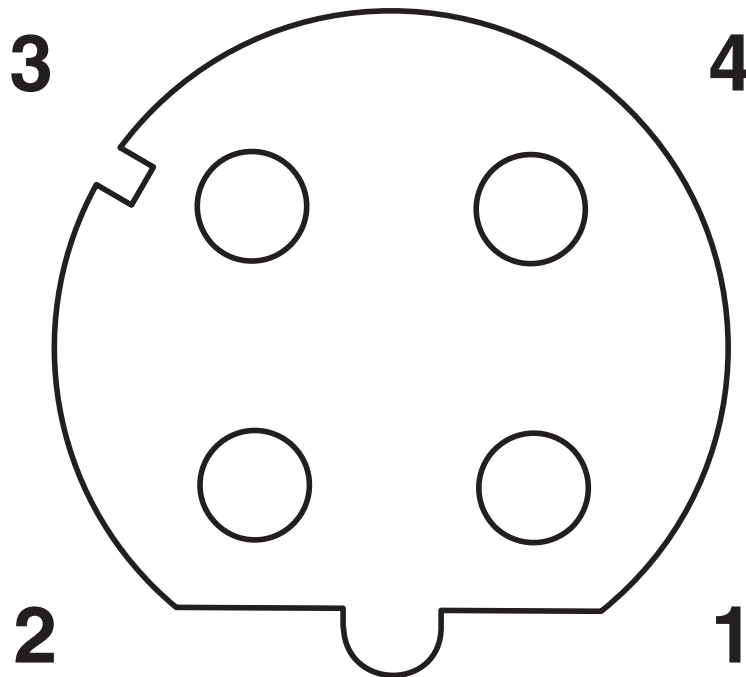
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Drawings

Schematic diagram



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

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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

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	4e01e231-b8cc-4862-842f-93e49d19c7f4

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Accessories

SACC-PG9-SEAL CLM - Flat gasket

1556320

<https://www.phoenixcontact.com/us/products/1556320>

Pg9 flat gasket, for M12 flush-type connectors with Pg9 fastening thread



PROT-M12 - Screw plug

1680539

<https://www.phoenixcontact.com/us/products/1680539>

An M12 screw plug for the unoccupied M12 sockets of the sensor/actuator cable, boxes and flush-type connectors



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PROT-M12 SH - Screw plug

1503302

<https://www.phoenixcontact.com/us/products/1503302>



An M12 screw plug for the unoccupied M12 sockets of the shielded sensor/actuator cable, boxes and flush-type connectors

PROT-M12 FB - Screw plug

1555538

<https://www.phoenixcontact.com/us/products/1555538>



M12 high-grade steel screw plug, for unoccupied M12 sockets of the sensor/actuator cables, boxes and flush-type connectors for the food industry

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