

Panel feed-through - SACC-DSI-M12MSD-4CON-M16 SH



1441862

<https://www.phoenixcontact.com/au/products/1441862>

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Sensor/actuator flush-type plug, 4-pos., M12-SPEEDCON, D-coded, rear/screw mounting with M16 thread, with straight solder connection and shield contact

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

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Commercial Data

Item number	1441862
Packing unit	20 pc
Minimum order quantity	20 pc
Sales Key	ABQCAA
Product Key	ABQCAA
Catalog Page	Page 251 (C-2-2013)
GTIN	4046356534062
Weight per Piece (including packing)	14.09 g
Weight per Piece (excluding packing)	14.09 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	Circular connectors (device side)
Number of positions	4
Shielded	yes
Coding	D - data

Insulation characteristics

Overvoltage category	II
Degree of pollution	3

Ambient conditions

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

Dimensions

Dimensional drawing	
Length of the solder pin	6 mm
	6 mm

Connector

Insertion/withdrawal cycles	> 100
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Header 1

Head thread type	M12
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Electrical properties

Rated surge voltage	2.5 kV
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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

Material specifications

Flammability rating according to UL 94	V0
Sealing material	FKM
	NBR
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA 6.6
Cable gland material	Zinc die-cast, nickel-plated

Connection data

Conductor connection	
Connection method	Solder pins

Mounting

Mounting type	Rear mounting M16 x 1.5 With flat nut
Assembly instructions	With flat nut

Standards and regulations

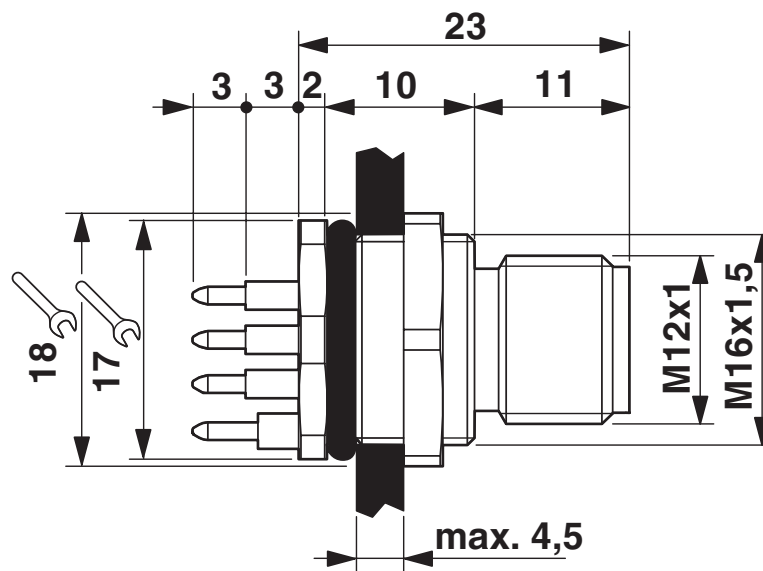
M12	
Standards/specifications	IEC 61076-2-101

Cable / line

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

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Dimensional drawing



A circular diagram with four black dots arranged in a square pattern. The diagram is labeled with numbers 1, 2, 3, and 4 at the corners. A small square is drawn at the top right corner, indicating a right angle.

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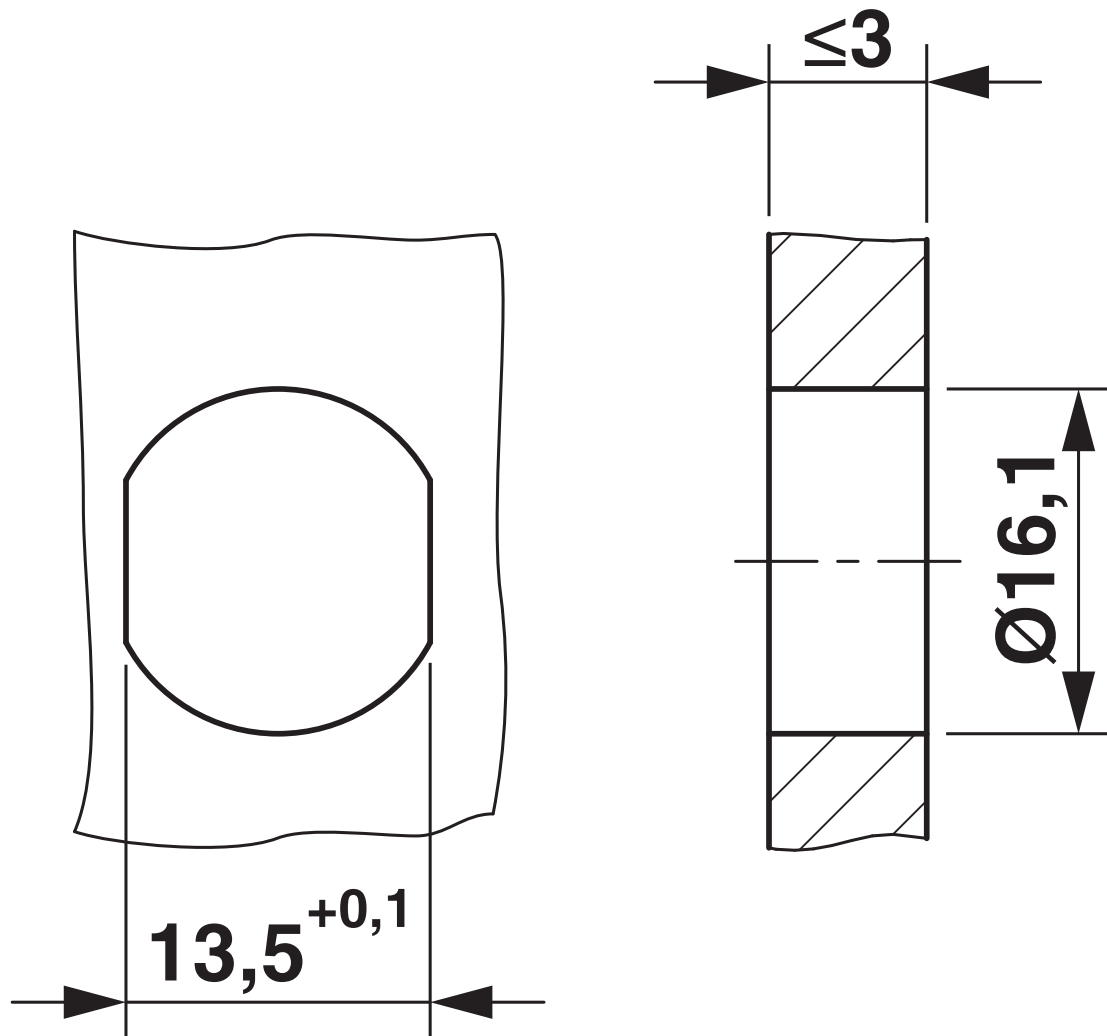
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Dimensional drawing



Housing cutout for M16 fastening thread, mounting panel with feed-through hole (alternatively with area as anti-rotation protection for panel thicknesses > 2 mm up to max. 4.5 mm)

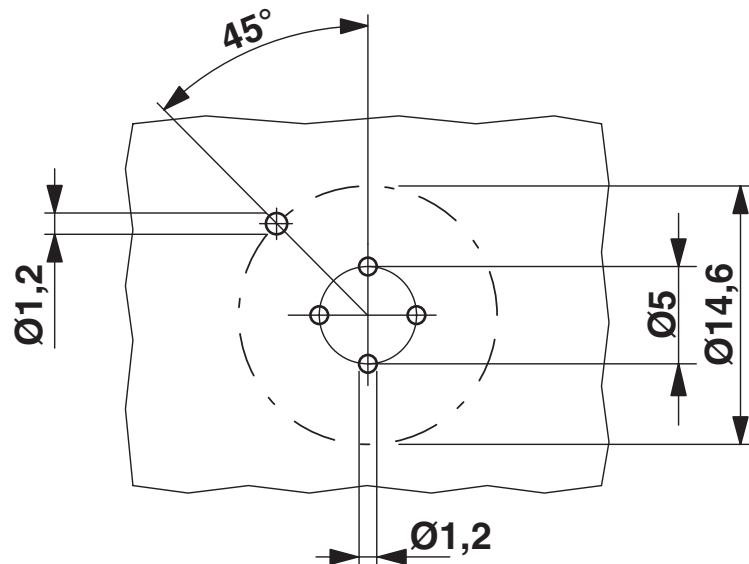
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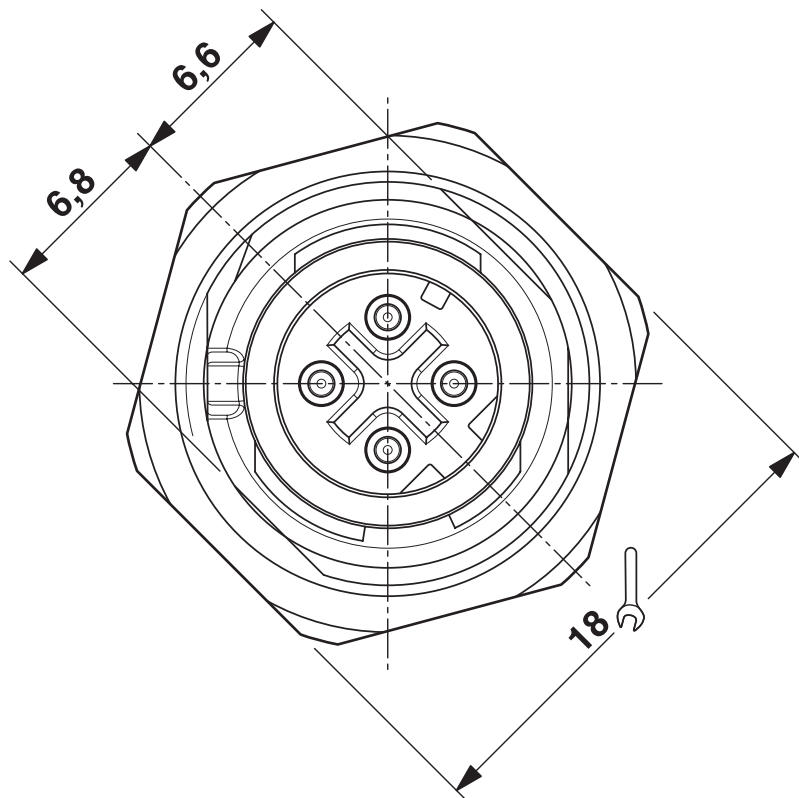
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Drilling plan/solder pad geometry



Dimensional drawing



M12 front view

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Approvals

cUL Recognized Approval ID: FILE E 118976				
	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
	250 V	4 A	- 22	-

UL Recognized Approval ID: FILE E 118976				
	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
	250 V	4 A	- 22	-

EAC Approval ID: B.01687				
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cULus Recognized Approval ID: E221474-20140616				
	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
	250 V	4 A	22 - 20	-

cULus Recognized				
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Classifications

ECLASS

ECLASS-9.0	27440102
ECLASS-10.0.1	27440102
ECLASS-11.0	27440102

ETIM

ETIM 8.0	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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Accessories

Flat gasket

Flat gasket - SACC-M16-SEAL CLM - 1430394

<https://www.phoenixcontact.com/au/products/1430394>

M16 flat gasket for M12 flush-type connectors with M16 fastening thread



Sealing cap

Sealing cap - PROT-M12 FS - 1560251

<https://www.phoenixcontact.com/au/products/1560251>

M12 sealing cap for unoccupied M12 plugs of the sensor/actuator cable, flush-type plugs and I/O devices in the field



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Sealing cap

Sealing cap - PROT-M12 FS-M - 1430488

<https://www.phoenixcontact.com/au/products/1430488>



M12 metal sealing cap for unoccupied M12 plugs of the sensor/actuator cable, flush-type plugs and I/O devices in the field

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