Flush-type connector - SACC-DSI-FSD-4CON-L180/SH GN - 1456569

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Bus system flush-type socket, with green contact carrier, 4-pos., M12 SPEEDCON, shielded, D-coded, rear/screw mounting with M16 thread, with straight solder connection

Why buy this product

- 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
- For high transmission reliability: optional shield connection to the housing by means of shield contact

Key Commercial Data

Packing unit	1 STK
Minimum order quantity	20 STK
GTIN	4 046356 617192
GTIN	4046356617192
Weight per Piece (excluding packing)	14.000 g
Custom tariff number	85366990
Country of origin	Germany

Technical data

Dimensions

Length of the solder pin	6 mm

Ambient conditions

Ambient temperature (operation)	-20 °C ... 60 °C (cable, fixed installation)
Degree of protection	IP67

General

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Technical data

General

Note	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.
Rated current at 40°C	4 A
Rated voltage	250 V
Rated surge voltage	2.5 kV
Number of positions	4
Insulation resistance	≥ 100 MΩ
Coding	D - data
Standards/regulations	M12 connector IEC 61076-2-101
Status display	No
Overvoltage category	II
Degree of pollution	3
Connection method	Solder pins
Torque	3 Nm ... 4 Nm (Installation-side)
Mounting type	Rear mounting Pg9 With flat nut

Material

Flammability rating according to UL 94	V0
Contact material	CuZn
Contact surface material	Ni/Au
Contact carrier material	PA 6.6
Material of grip body	Zinc die-cast, nickel-plated
Material, knurls	Zinc die-cast, nickel-plated
Sealing material	NBR

Cable

Standards/specifications	M12 connector IEC 61076-2-101

Standards and Regulations

Standard designation	M12 connector
Standards/regulations	IEC 61076-2-101
Flammability rating according to UL 94	V0

Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab “Downloads”, Category “Manufacturer's declaration”

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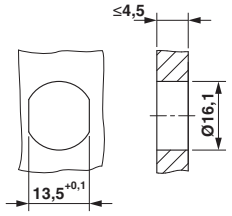
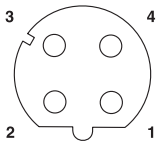
Drawings

Dimensional drawing



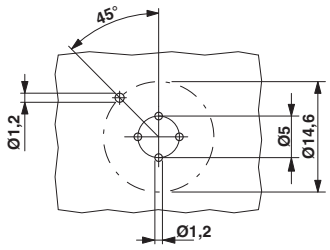
Schematic diagram



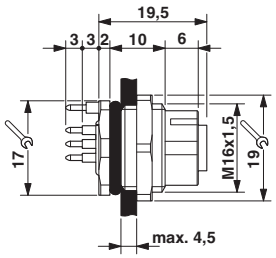
Pin assignment M12 socket, 4-pos., D-coded, female side

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)

Drilling diagram

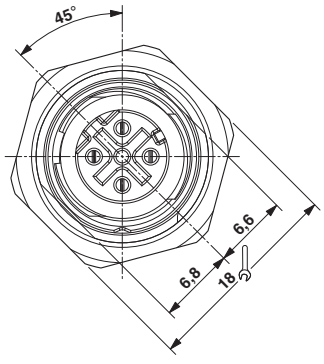


Dimensional drawing



M12 flush-type connector

Dimensional drawing



M12 front view

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Classifications

eCl@ss

eCl@ss 4.0	27250313
eCl@ss 4.1	27250313
eCl@ss 5.0	27143423
eCl@ss 5.1	27143400
eCl@ss 6.0	27279200
eCl@ss 7.0	27440103
eCl@ss 8.0	27440103
eCl@ss 9.0	27440102

ETIM

ETIM 4.0	EC002061
ETIM 5.0	EC002061
ETIM 6.0	EC002061

UNSPSC

UNSPSC 6.01	31261501
UNSPSC 7.0901	31261501
UNSPSC 11	31261501
UNSPSC 12.01	31261501
UNSPSC 13.2	39121413

Approvals

Approvals

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UL Recognized / cULus Recognized / EAC

Ex Approvals

Approval details

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 118976

Nominal voltage UN	250 V

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Approvals

Nominal current IN	4 A
mm²/AWG/kcmil	22

cULus Recognized  http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm E221474-20140616

Nominal voltage UN	250 V
Nominal current IN	4 A
mm²/AWG/kcmil	22-20

EAC  B.01742