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PHŒNIX CONTACT

Bus system flat-type plug - SACC-DSI-FSD-4CON-PG9/0,5 SCO - 1551529

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Bus system flush-type socket, PROFINET, 4-pos., M12 SPEEDCON, D-coded, front/screw mounting with Pg9 thread, with 0.5 m TPE litz wire, 4 x 0.34 mm²

Key Commercial Data

Packing unit	1 STK
GTIN	4 046356 153614

Technical data

Dimensions

Length of cable	0.5 m

Ambient conditions

Ambient temperature (operation)	-25 °C ... 85 °C (Plug / socket)
	-40 °C ... 85 °C (without mechanical actuation)
Degree of protection	IP67

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.
	This product corresponds to the PROFINET Cabling and Interconnection Technology Guideline for PROFINET regulations, version 2.00, order no: 2.252, Chapter 8.2 Connectors for Outside Environment (Balanced cabling)
Rated current at 40°C	4 A
Rated voltage	250 V
Rated surge voltage	2.5 kV
Number of positions	4

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Technical data

General

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	Individual wires
Insertion/withdrawal cycles	≥ 100
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 66
Material, knurls	Zinc die-cast, nickel-plated
Sealing material	FKM

Standards and Regulations

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

Classifications

eCl@ss

eCl@ss 4.0	27250313
eCl@ss 4.1	27250313
eCl@ss 5.0	27143423
eCl@ss 5.1	27143423
eCl@ss 6.0	27143423
eCl@ss 7.0	27449001
eCl@ss 8.0	27440103

ETIM

ETIM 3.0	EC002061
ETIM 4.0	EC000830
ETIM 5.0	EC002061

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Classifications

UNSPSC

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

Approvals

Approvals

Approvals

cULus Recognized / EAC / UL Recognized

Ex Approvals

Approvals submitted

Approval details

cULus Recognized	
mm²/AWG/kcmil	20
Nominal current IN	4 A
Nominal voltage UN	250 V

EAC

| UL Recognized 🇺🇱	
mm²/AWG/kcmil	26-20
Nominal current IN	4 A
Nominal voltage UN	250 V

Drawings

Bus system flat-type plug - SACC-DSI-FSD-4CON-PG9/0,5 SCO - 1551529
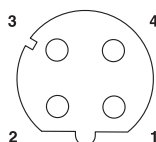
Dimensional drawing
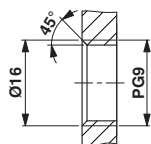
Housing cutout for M16 fastening thread, mounting panel with feed-through hole (alternatively with area as anti-rotation protection for panel thicknesses > 2 mm up to max. 4.5 mm)
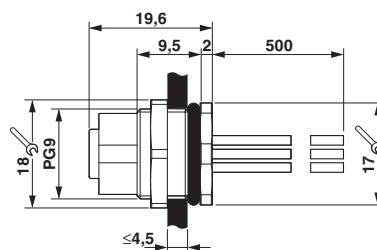
Dimensional drawing
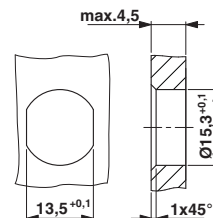
Housing cutout for Pg9 fastening thread, mounting panel with feed-through hole (alternatively with surface as protection against rotation)
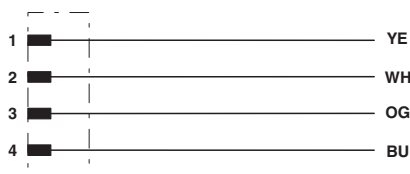
Schematic diagram

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

Dimensional drawing

M12 flush-type connector

Circuit diagram

1	YE
2	WH
3	OG
4	BU

Contact assignment of the M12 socket

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Product	Code	Reference	Product link
Bus system flush-type socket, PROFINET, 4-pos., M12 SPEEDCON, D-coded, front/screw mounting with Pg9 thread, with 0.5 m TPE litz wire, 4 x 0.34 mm²	1551529	SACC-DSI-FSD-4CON-PG9/0,5 SCO	Buy on EAN