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Bus system flush-type plug, 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	11
Weight per Piece (excluding packing)	0.02 GRM
Custom tariff number	85444290
Country of origin	Germany

Technical data

Dimensions

Length of cable 0.5 m	
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Ambient conditions

Ambient temperature (operation)	-25 °C 85 °C (Plug / socket)
Degree of protection	IP67

General

Note	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
Number of positions	4
Contact resistance	$\leq 3 \text{ m}\Omega$
Insulation resistance	\geq 100 MΩ
Coding	D - data



Technical data

General

Standards/regulations	M12 connector IEC 61076-2-101
Status display	No
Surge voltage category	Ш
Pollution degree	3
Connection method	Individual wires
Mounting type	Rear mounting Pg9 With flat nut

Material

Inflammability class according to UL 94	V0
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA 66
Material, knurls	Zinc die-cast, nickel-plated
Sealing material	NBR

Cable

Cable type	TPE litz wire
Conductor cross section	0.34 mm ²
AWG signal line	22
Conductor structure signal line	7x 0.25 mm
Core diameter including insulation	1.2 mm ±0.07 mm
Thickness, insulation	0.21 mm
Wire colors	Yellow, orange, white, blue
Material conductor insulation	TPE
Conductor material	Tin-plated Cu litz wires
Insulation resistance	\geq 20 MΩ*km
Conductor resistance	\leq 57.6 m Ω /m
Nominal voltage, cable	300 V
Test voltage, cable	2000 V AC
Ambient temperature (operation)	-25 °C 85 °C (cable, fixed installation)

Classifications

eCl@ss

eCl@ss 4.0	27250313
eCl@ss 4.1	27250313
eCl@ss 5.0	27143423
eCl@ss 5.1	27143423



Classifications

eCl@ss

eCl@ss 6.0	27143423
eCl@ss 7.0	27449001
eCl@ss 8.0	27449001

ETIM

ETIM 3.0	EC002061
ETIM 4.0	EC002061
ETIM 5.0	EC002061

UNSPSC

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

Approvals

Approvals

Approvals

UL Recognized / GOST / GOST

Ex Approvals

Approvals submitted

Approval details

mm²/AWG/kcmil	26-20
Nominal current IN	4 A
Nominal voltage UN	250 V

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Approvals

GOST 💽	
GOST	
Drawings	
Dimensioned drawing	Dimensioned drawing
Housing cutout for Pg9 fastening thread, mounting panel with thread	
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Schematic diagram



Pin assignment M12 male connector, 4-pos., D-coded, male side

Housing cutout for Pg9 fastening thread, mounting panel with feedthrough hole (alternatively with surface as protection against rotation)

Circuit diagram



Contact assignment of the M12 plug and the M12 socket





M12 flush-type plug

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