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Especialistas en Automatización

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Bus system flat-type plug - SACC-DSI-MSD-4CON-M12/0,5 SCO - 1551901

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



Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 161961

Technical data

Dimensions

Length of cable	0.5 m
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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.
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

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Technical data

General

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 M12 x 1 With locking nut

Material

Flammability rating according to UL 94	V0
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA 66
Material, knurts	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 (Core insulation)
Wire colors	Yellow, orange, white, blue
Material conductor insulation	TPE
Conductor material	Tin-plated Cu litz wires
Insulation resistance	≥ 20 MΩ*km
Conductor resistance	≤ 57.6 mΩ/m
Nominal voltage, cable	300 V
Test voltage, cable	2000 V AC
Ambient temperature (operation)	-40 °C ... 85 °C (cable, fixed installation)
	-25 °C ... 85 °C (cable, flexible installation)

Standards and Regulations

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

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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	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

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	
mm ² /AWG/kcmil	20
Nominal current I _N	4 A

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Approvals

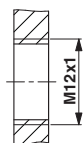
Nominal voltage UN	250 V
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EAC

UL Recognized	
mm ² /AWG/kcmil	26-20
Nominal current I _N	4 A
Nominal voltage UN	250 V

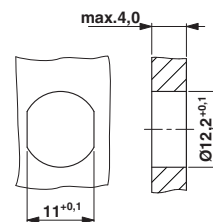
Drawings

Dimensional drawing



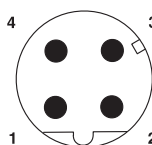
Housing cutout for M12 fastening thread, mounting panel with thread

Dimensional drawing



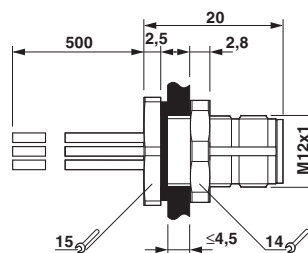
Housing cutout for M12 fastening thread, mounting panel with feed-through hole (alternative with surface as protection against rotation)

Schematic diagram



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

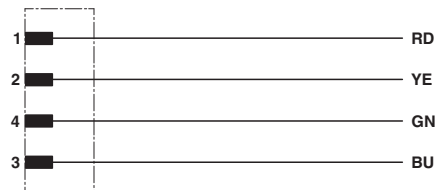
Dimensional drawing



M12 flush-type connector

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Circuit diagram



Contact assignment of the M12 plug and the M12 socket

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Product	Code	Reference	Product link
Bus system flush-type plug, 4-pos., M12 SPEEDCON, D-coded, front/screw mounting with M12 thread, with 0.5 m TPE litz wire, 4 x 0.34 mm ²	1551901	SACC-DSI- MSD-4CON- M12/0,5 SCO	Buy on EAN