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## Panel feed-through - SACC-DSI-MS-8CON-M12/0,5 SCO - 1551914

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Sensor/actuator flush-type plug, 8-pos., M12 SPEEDCON, rear/screw mounting with M12 thread, with 0.5 m TPE litz wire, 8 x 0.25 mm<sup>2</sup>



### Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 161978

### 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	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	2 A
Rated voltage	30 V
Rated surge voltage	0.8 kV
Number of positions	8
Insulation resistance	≥ 100 MΩ
Coding	A - standard
Standards/regulations	M12 connector IEC 61076-2-101
Status display	No
Overvoltage category	II

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## Technical data

### General

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 flat nut

### Material

Flammability rating 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	0.25 mm²
AWG signal line	24
Conductor structure signal line	14x 0.15 mm
Core diameter including insulation	1.15 mm ±0.07 mm
Thickness, insulation	0.21 mm
Wire colors	Brown, blue, white, gray, pink, green, yellow, red
Material conductor insulation	TPE
Conductor material	Tin-plated Cu litz wires
Insulation resistance	≥ 20 MΩ*km
Conductor resistance	≤ 80 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

## Classifications

### eCl@ss

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

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### Classifications

#### eCl@ss

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	EC002062
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	
mm²/AWG/kcmil	22
Nominal current I <sub>N</sub>	2 A
Nominal voltage U <sub>N</sub>	30 V

EAC
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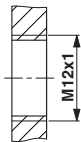
Panel feed-through - SACC-DSI-MS-8CON-M12/0,5 SCO - 1551914

Approvals

UL Recognized 	
mm²/AWG/kcmil	26-20
Nominal current I <sub>N</sub>	2 A
Nominal voltage U <sub>N</sub>	30 V

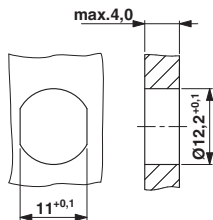
Drawings

Dimensional drawing



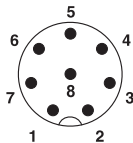
Housing cutout for M12 fastening thread, mounting panel with thread

Dimensional drawing



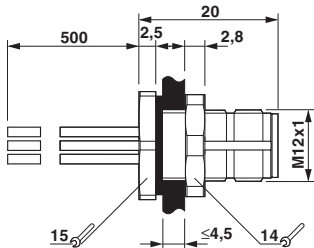
Housing cutout for M12 fastening thread, mounting panel with feed-through hole (alternative with surface as protection against rotation)

Schematic diagram



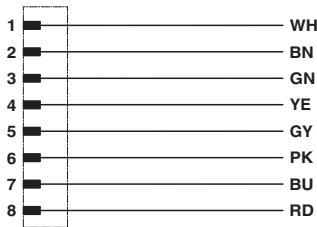
Pin assignment M12 plug, 8-pos., view plug side

Dimensional drawing



M12 flush-type connector

Circuit diagram



Contact assignment of the M12 plug and the M12 socket

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Product	Code	Reference	Product link
Sensor/actuator flush-type plug, 8-pos., M12 SPEEDCON, rear/screw mounting with M12 thread, with 0.5 m TPE litz wire, 8 x 0.25 mm <sup>2</sup>	1551914	SACC-DSI-MS-8CON-M12/0,5 SCO	<a href="#">Buy on EAN</a>