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## Panel feed-through - SACC-DSI-M12MS-8CON-PG9/0,5 VA - 1554694

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Sensor/actuator flush-type plug, 8-pos., M12, rear/screw mounting with Pg9 thread, with 0.5 m TPE litz wire, 8 x 0.25 mm², high-grade steel version

### Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 170390

### 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
	IP69K

#### 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
Signal type/category	Universal
Status display	No
Overvoltage category	II
Degree of pollution	3

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## Technical data

### General

Connection method	Individual wires
Insertion/withdrawal cycles	> 100
Torque	3 Nm ... 4 Nm (Installation-side)

### Material

Flammability rating according to UL 94	V0
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA 66
Material, knurls	High-grade steel
Sealing material	FKM

### Cable

Cable type	TPE litz wire
Conductor cross section	0.25 mm <sup>2</sup>
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 (Core insulation)
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 Ω/km
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
eCl@ss 5.1	27143423
eCl@ss 6.0	27143423

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### Classifications

#### eCl@ss

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	31251501
UNSPSC 7.0901	31251501
UNSPSC 11	31251501
UNSPSC 12.01	31251501
UNSPSC 13.2	39121413

### Approvals

#### Approvals


#### Approvals

UL Recognized / EAC / cULus Recognized

#### Ex Approvals

#### Approvals submitted

#### Approval details

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

EAC
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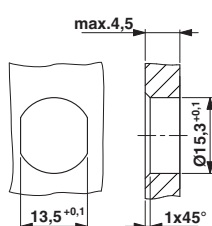
# Panel feed-through - SACC-DSI-M12MS-8CON-PG9/0,5 VA - 1554694

## Approvals

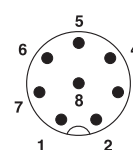
cULus Recognized	
mm²/AWG/kcmil	22
Nominal current I <sub>N</sub>	2 A
Nominal voltage U <sub>N</sub>	30 V

## Drawings

Dimensional drawing



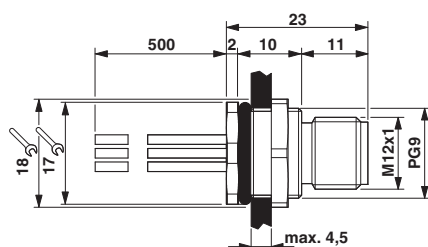
Schematic diagram



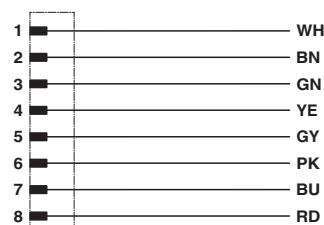
Pin assignment M12 plug, 8-pos., view plug side

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

Dimensional drawing



Circuit diagram



M12 flush-type plug

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, rear/screw mounting with Pg9 thread, with 0.5 m TPE litz wire, 8 x 0.25 mm <sup>2</sup> , high-grade steel version	1554694	SACC-DSI-M12MS-8CON-PG9/0,5 VA	<a href="#">Buy on EAN</a>