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Sensor/actuator flush-type socket, 8-pos., M12-SPEEDCON, shielded, rear/screw mounting with Pg9 thread, with straight solder connection



Key Commercial Data

Packing unit	20 STK
GTIN	4 046356 162210

Technical data

Dimensions

Length of the solder pin	6 mm
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	2 A
Rated voltage	30 V
Rated surge voltage	0.8 kV
Number of positions	8
Insulation resistance	\geq 100 M Ω
Coding	A - standard
Standards/regulations	M12 connector IEC 61076-2-101
Status display	No



Technical data

General

Overvoltage category	III
Degree of pollution	3
Test voltage	0.8 kV
Connection method	Solder pins
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	Au
Contact carrier material	PA 66
Material, knurls	Zinc die-cast, nickel-plated
Sealing material	NBR

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
eCI@ss 5.0	27143423
eCl@ss 5.1	27143423
eCl@ss 6.0	27143423
eCI@ss 7.0	27449001
eCl@ss 8.0	27440103

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



Classifications

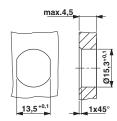
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UNSPSC 13.2	31261501	
Approvals		
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Ex Approvals		
Approvals submitted		
Approval details		
Approval details UL Recognized		
UL Recognized 5	26-20	
UL Recognized 1	26-20 2 A	
UL Recognized \$\)	26-20 2 A 30 V	
UL Recognized Management of the second secon	2 A	
UL Recognized mm²/AWG/kcmil Nominal current IN Nominal voltage UN	2 A	
UL Recognized mm²/AWG/kcmil Nominal current IN Nominal voltage UN EAC CULus Recognized	2 A 30 V	
UL Recognized mm²/AWG/kcmil Nominal current IN Nominal voltage UN EAC	2 A	

Drawings



Dimensional drawing



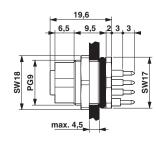
Schematic diagram



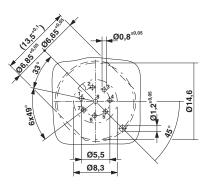
Pin assignment M12 socket, 8-pos., A-coded, view female side

Housing cutout for Pg9 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

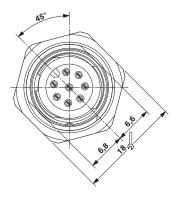


Drilling diagram



M12 flush-type connector

Dimensional drawing



M12 front view

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Product	Code	Reference	Product link
Sensor/actuator flush-type socket, 8-pos., M12- SPEEDCON, shielded, rear/screw mounting with Pg9 thread, with straight solder connection	1553860	SACC-DSI- FS-8CON-L180/ SCO SH	Buy on EAN