



Automatización Eléctrica

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



Key Commercial Data

Packing unit	20 STK
GTIN	4 046356 097765

Technical data

Dimensions

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



Technical data

General

Overvoltage category	Ш
Degree of pollution	3
Connection method	Solder pins
Insertion/withdrawal cycles	> 100
Torque	3 Nm 4 Nm (Installation-side)
Mounting type	Rear mounting Pg9 With locking 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

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
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



Classifications

UNSPSC

UNSPSC 11	31261501
UNSPSC 12.01	31261501
UNSPSC 13.2	31261501

Approvals

Approvals

Approvals

UL Recognized / EAC / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

mm²/AWG/kcmil	26-20
Nominal current IN	2 A
Nominal voltage UN	30 V

EAC

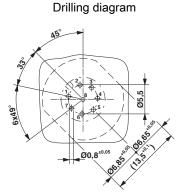
cULus Recognized		
mm²/AWG/kcmil	22	
Nominal current IN	2 A	
Nominal voltage UN	30 V	

Drawings



Dimensional drawing

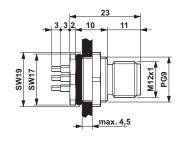
Housing cutout for Pg9 fastening thread, mounting panel with feedthrough hole (alternatively with area as anti-rotation protection for panel thicknesses > 2 mm up to max. 4.5 mm)



Schematic diagram



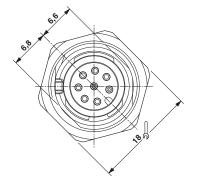
Pin assignment M12 plug, 8-pos., view plug side



Dimensional drawing

M12 flush-type plug

Dimensional drawing



M12 front view

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Product	Code	Reference	Product link
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