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Sensor/actuator flush-type plug, with violet contact carrier, 5-pos., M12 SPEEDCON, shielded, B-coded, rear/screw mounting with M16 thread, with straight solder connection

Your advantages

- MI standard pin assignments and codings for signal, data, and power transmission with a uniform design-in design
- For high transmission reliability: optional shield connection to the housing by means of shield contact



Key Commercial Data

Packing unit	20 pc
GTIN	4 046356 617147
GTIN	4046356617147

Technical data

Length of the solder pin

Dimensions

Ambient conditions	
Ambient temperature (operation)	-25 °C 85 °C (Plug / socket)
	-25 °C 85 °C (Plug / socket)
Degree of protection	IP67 (When plugged in)
	IP65 (When plugged in)

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.

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Technical data

General

Rated current at 40°C	4 A
Rated voltage	60 V
Rated surge voltage	1.5 kV
Number of positions	5
Insulation resistance	\geq 100 M Ω
Coding	B - inverse
Standards/regulations	M12 connector IEC 61076-2-101
Status display	No
Overvoltage category	II
Degree of pollution	3
Connection method	Solder pins
Insertion/withdrawal cycles	> 100
Mounting type	Rear mounting Pg9 With flat nut
Thread type	Pg9

Material

Flammability rating according to UL 94	V0	
Contact material	CuZn	
Contact surface material	Au	
Contact carrier material	PA 6.6	
Material, knurls	Zinc die-cast, nickel-plated	
Sealing material	NBR	

Cable

Standards/specifications	M12 connector IEC 61076-2-101
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Standards and Regulations

Standards/specifications	M12 connector IEC 61076-2-101
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Environmental Product Compliance

REACh SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

Drawings

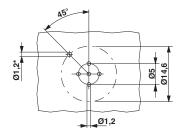


Schematic diagram

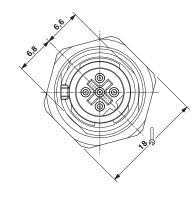


Pin assignment M12 male connector, 5-pos., B-coded, male side

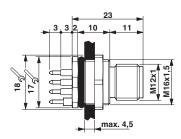
Drilling diagram



Dimensional drawing



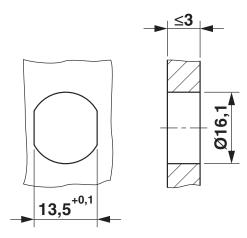
Dimensional drawing



M12 flush-type connector

M12 front view

Dimensional drawing



Housing cutout for M16 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)



Classifications

eCl@ss

eCl@ss 10.0.1	27440102
eCl@ss 11.0	27440102
eCl@ss 4.0	27140800
eCl@ss 4.1	27140800
eCl@ss 5.0	27143400
eCl@ss 5.1	27143400
eCl@ss 6.0	27279200
eCl@ss 7.0	27440103
eCl@ss 9.0	27440102

ETIM

ETIM 4.0	EC002061
ETIM 6.0	EC002061
ETIM 7.0	EC002635

UNSPSC

UNSPSC 6.01	31261501
UNSPSC 7.0901	31261501
UNSPSC 11	31261501
UNSPSC 12.01	31261501
UNSPSC 13.2	39121413
UNSPSC 18.0	39121413
UNSPSC 19.0	39121413
UNSPSC 20.0	39121413
UNSPSC 21.0	39121400

Approvals

Approvals

Approvals

EAC / cULus Recognized / UL Recognized

Ex Approvals

Approval details

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Approvals

EAC	B.01687
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cULus Recognized	c 911 us	http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm E221474-20140616	
Nominal voltage UN			60 V
Nominal current IN			4 A
mm²/AWG/kcmil			22-20

UL Recognized	http://database.ul.com/cgi-bin/XYV/template/LISEX	T/1FRAME/index.htm FILE E 118976
Nominal voltage UN	60 V	
Nominal current IN	4 A	
mm²/AWG/kcmil	22	

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