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With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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## Flush-type connector - SACC-DSI-MSB-5CON-L180/SH GN - 1456572

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

### Why buy this product

- Easy PCB assembly: one-piece connectors for wave soldering
- All 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 STK
GTIN	 4 046356 617130
GTIN	4046356617130

### 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)
Degree of protection	IP67

#### General

Rated current at 40°C	4 A
Rated voltage	60 V
Rated surge voltage	1.5 kV
Number of positions	5
Insulation resistance	≥ 100 MΩ
Coding	B - inverse
Standards/regulations	M12 connector IEC 61076-2-101

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## Technical data

### General

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

### 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

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

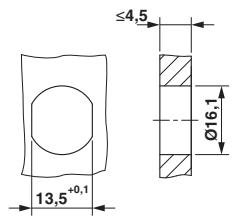
Standard designation	M12 connector
Standards/regulations	IEC 61076-2-101
Flammability rating according to UL 94	V0

### Environmental Product Compliance

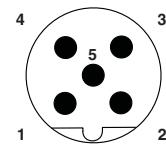
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

### Drawings

Dimensional drawing



Schematic diagram

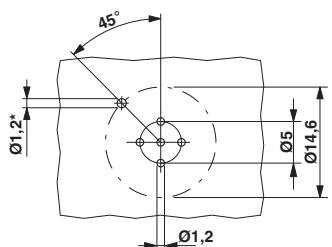


Pin assignment M12 male connector, 5-pos., B-coded, male side

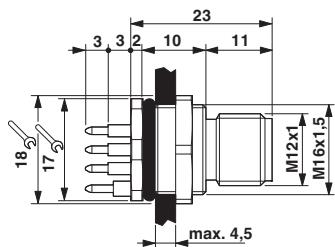
Housing cutout for M16 fastening thread, mounting panel with feed-through hole (alternatively with area as anti-rotation protection for panel thicknesses > 2 mm up to max. 4.5 mm)

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Drilling diagram

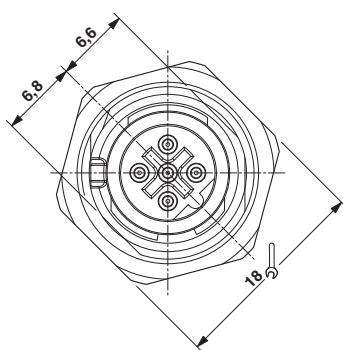


Dimensional drawing



M12 flush-type connector

Dimensional drawing



M12 front view

### Approvals

#### Approvals

#### Approvals

cULus Recognized / EAC

#### Ex Approvals

#### Approval details

cULus Recognized



<http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm> E221474-20140616

mm <sup>2</sup> /AWG/kcmil	22-20
Nominal current IN	4 A
Nominal voltage UN	60 V

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### Approvals

EAC



B.01742

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