


**SACC-CI-M12FSB-5CON-L180**

Order No.: 1551477

<http://catalog.phoenixcontact.net/phoenix/treeViewClick.do?UID=1551477>Sensor/actuator flush-type socket, 5-pos., shielded, B-coded, with  
straight solder connection, only contact insert

Commercial data	
EAN	 4 046356 153652
Note	Made-to-order
sales group	D125
Pack	20 Pcs.
Customs tariff	85366990
Gross weight in pieces	0.00446 KG
Net weight per piece	0.003176 KG
Catalog page information	Page 254 (C-2-2013)

## Product notes

WEEE/RoHS-compliant since:  
08/17/2006

<http://www.download.phoenixcontact.com>  
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## Technical data

## 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	4 A
Rated voltage	60 V
Number of positions	5
Contact resistance	≤ 3 mΩ
Insulation resistance	≥ 100 MΩ
Coding	B - inverse
Standards/regulations	M12 connector IEC 61076-2-101
Status display	No
Surge voltage category	II
Pollution degree	3
Connection method	Solder pins
Insertion/withdrawal cycles	> 100
Torque	3 Nm ... 4 Nm (Installation-side)
Mounting type	PCB mounting

### Material

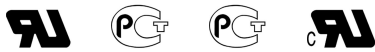
Inflammability class according to UL 94	V0
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA 66
Sealing material	FKM / EPDM

### Cable

Conductor cross section	0.34 mm <sup>2</sup>
Conductor structure signal line	7x 0.25 mm
Core diameter including insulation	1.2 mm ±0.07 mm
Thickness, insulation	0.21 mm
Insulation resistance	≥ 20 MΩ*km
Conductor resistance	≤ 57.6 mΩ/m
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)

**Certificates / Approvals**



Certification GOST, UL Recognized

Certifications applied for:

Certification Ex:

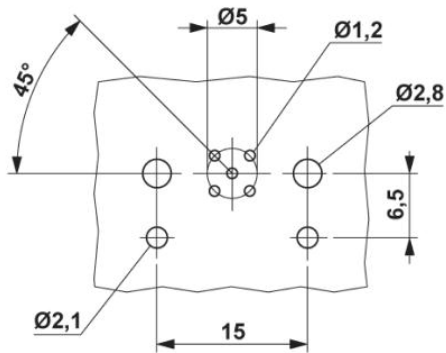
**Accessories**

Item	Designation	Description
<b>General</b>		
1437889	SACC-M12 NUT PRESS	Housing screw connection for two-piece M12 connectors for the reflow soldering process.
<b>Housing screw connection</b>		
1437892	SACC-M12 PLUG PRESS	M12 pin, housing screw connection, press-in version, for all Speedcon-compatible THR and wave soldering contact carriers
1552243	SACC-M12-SCO NUT	M12 SPEEDCON housing screw connection for M12 female inserts, with O-ring, for all SPEEDCON-capable THR and wave soldering contact carriers
<b>Protection and sealing elements</b>		
1680539	PROT-M12	An M12 screw plug for the unoccupied M12 sockets of the sensor/ actuator cable, boxes and flush-type connectors
1555538	PROT-M12 FB	M12 high-grade steel screw plug, for unoccupied M12 sockets of the sensor/actuator cables, boxes and flush-type connectors for the food industry
1503302	PROT-M12 SH	An M12 screw plug for the unoccupied M12 sockets of the shielded sensor/actuator cable, boxes and flush-type connectors

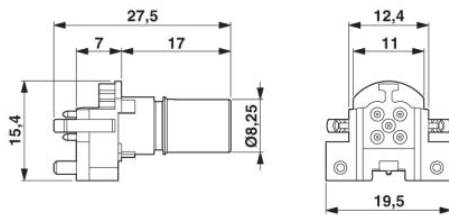
## Drawings

### Drilling plan/solder pad geometry

M12 flush-type connector

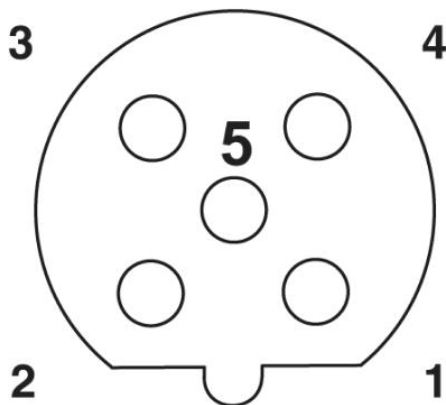


### Dimensioned drawing



### Schematic diagram

Pin assignment M12 socket, 5-pos., B-coded, female side



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