

# SACC-DSI-MSB-5CON-PG9/0,3SCOPB - Panel feed-through



1577985

<https://www.phoenixcontact.com/us/products/1577985>

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Sensor/actuator flush-type plug, 5-pos., M12 SPEEDCON, B-coded, rear/screw mounting with Pg11 thread, with 0.3 m TPE litz wire, 5 x 0.34 mm<sup>2</sup>

As shown in the illustration but with different wire colors

## Commercial data

Item number	1577985
Packing unit	1 pc
Minimum order quantity	50 pc
Product key	ABQYAA
GTIN	4046356462747
Weight per piece (including packing)	19.9 g
Weight per piece (excluding packing)	19.9 g
Country of origin	DE

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## Technical data

### Product properties

Number of positions	5
No. of cable outlets	1
Shielded	no
Coding	B

### Insulation characteristics

Overvoltage category	II
Degree of pollution	3

### Electrical properties

Rated surge voltage	1.5 kV
Contact resistance	$\leq 3 \text{ m}\Omega$
Insulation resistance	$\geq 100 \text{ M}\Omega$
Nominal voltage $U_N$	60 V
Nominal current $I_N$	4 A
Max. conductor resistance	57.6 m $\Omega$ /m

### Connection data

Connection method	Individual wires
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### Signaling

Status display	no
Status display present	no

### Material specifications

Flammability rating according to UL 94	V0
Seal material	NBR
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA 6.6
Material for screw connection	Zinc die-cast, nickel-plated
Conductor material	Tin-plated Cu litz wires

### Connector

#### Connection 1

Head design	Plug
Head cable outlet	straight
Head thread type	M12
Head locking type	SPEEDCON
Coding	B

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## Cable/line

Cable length	0.3 m
Cable type	TPE litz wire
Wire diameter incl. insulation	1.2 mm ±0.07 mm
Single wire, color	brown, green, blue, red
Cable cross section	0.34 mm <sup>2</sup>
Conductor material	Tin-plated Cu litz wires
Conductor structure signal line	7x 0.25 mm
AWG signal line	22
Material wire insulation	TPE
Thickness, insulation	0.21 mm
Nominal voltage, cable	300 V
Test voltage, cable	2000 V AC
Cable resistance	≤ 57.6 mΩ/m
Cable insulation resistance	≥ 20 MΩ*km

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP67 (When plugged in)
	IP65 (When plugged in)
	IP65/IP67
Ambient temperature (operation)	-25 °C ... 85 °C (Plug / socket)
	-25 °C ... 90 °C (cable, fixed installation)

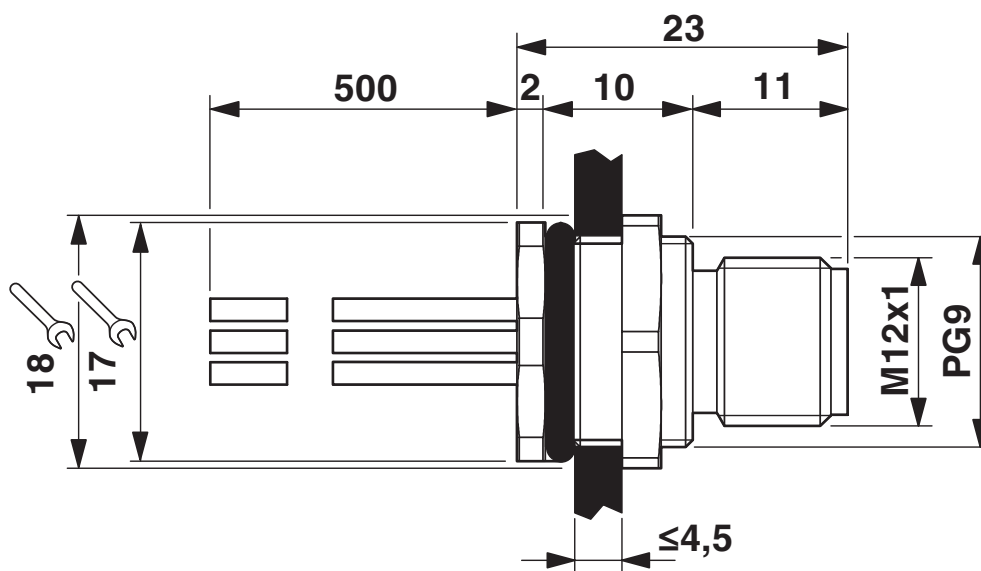
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## Drawings

Dimensional drawing



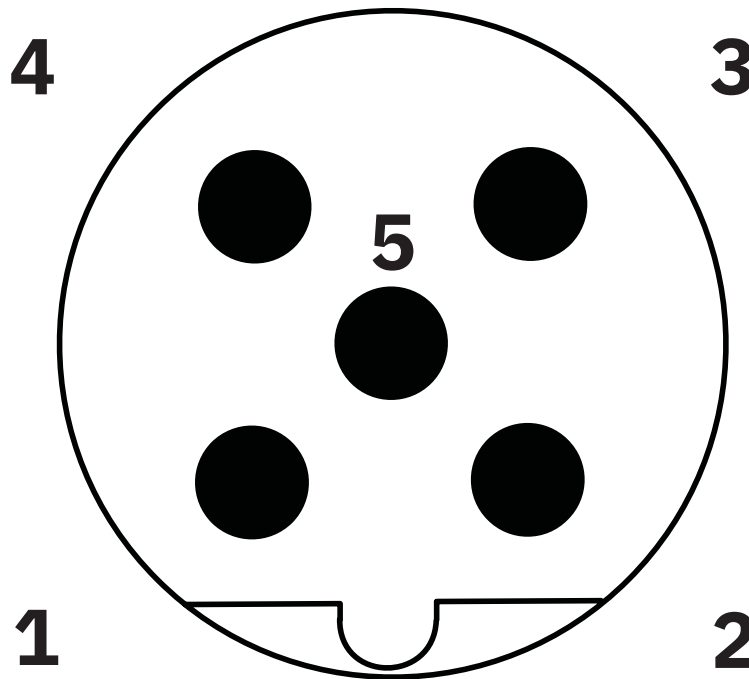
M12 flush-type plug

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Schematic diagram



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

Circuit diagram



Contact assignment of the M12 plug

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