

# SACC-CIM12MSB5PL180THRSAMPLE - Contact carrier



1413552

<https://www.phoenixcontact.com/us/products/1413552>

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Sensor/actuator flush-type plug, 5-pos., B-coded, with straight THR solder connection, only contact insert

## Commercial data

Item number	1413552
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	ABQAGM
GTIN	4055626008226
Weight per piece (including packing)	4.805 g
Weight per piece (excluding packing)	2.598 g
Country of origin	DE

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## Technical data

### Notes

Notes on operation	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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### Product properties

Product type	Contact insert
Number of positions	5
Coding	B
Thread type	M12

### Insulation characteristics

Overvoltage category	III
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

### Connection data

Connection method	THR solder connection
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### Material specifications

Material Contact carrier	PA 6.6
Material Contact	CuZn
Material Contact surface	Au
Flammability rating according to UL 94	V0

### Connector

#### Connection 1

Head design	Pin
Head cable outlet	straight
Head thread type	M12
Coding	B

### Mechanical properties

#### Mechanical data

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Insertion/withdrawal cycles	> 100
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## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP67
Ambient temperature (operation) (male connector/female connector)	-25 °C ... 85 °C -40 °C ... 85 °C (without mechanical actuation)
UL Type Rating	Type 4 (indoor use only)

## Standards and regulations

Standard designation	M12 circular connector
Standards/specifications	according to IEC 61076-2-101

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## Drawings

Schematic diagram



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

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## Classifications

### ECLASS

ECLASS-13.0	27440223
ECLASS-15.0	27440223

### ETIM

ETIM 10.0	EC003557
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### UNSPSC

UNSPSC 21.0	39121400
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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