

# SACC-CIM12MS4PL180THRSAMPLE - Contact carrier



1413549

<https://www.phoenixcontact.com/us/products/1413549>

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Sensor/actuator flush-type connector, connector, 4-pos., shielded, A-coded, with straight THR solder connection, only contact insert

## Commercial data

Item number	1413549
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	ABQAGA
GTIN	4055626007991
Weight per piece (including packing)	3.6 g
Weight per piece (excluding packing)	2.403 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
Sensor type	Universal
Number of positions	4
Shielded	yes
Coding	A
Thread type	M12

### Insulation characteristics

Overvoltage category	II
Degree of pollution	3

### Electrical properties

Rated surge voltage	2.5 kV
Nominal voltage $U_N$	250 V
Nominal current $I_N$	4 A

### Connection data

Connection method	THR solder connection
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### Interfaces

Signal type/category	Universal
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### Material specifications

Material Contact carrier	PPA
Material Contact	CuZn
Material Contact surface	Au
Material Seal	FKM
Flammability rating according to UL 94	V0

### Connector

#### Connection 1

Head design	Pin
Head cable outlet	straight
Head thread type	M12

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Coding	A
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## Cable/line

Signal type/category	Universal
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## Mechanical properties

### Mechanical data

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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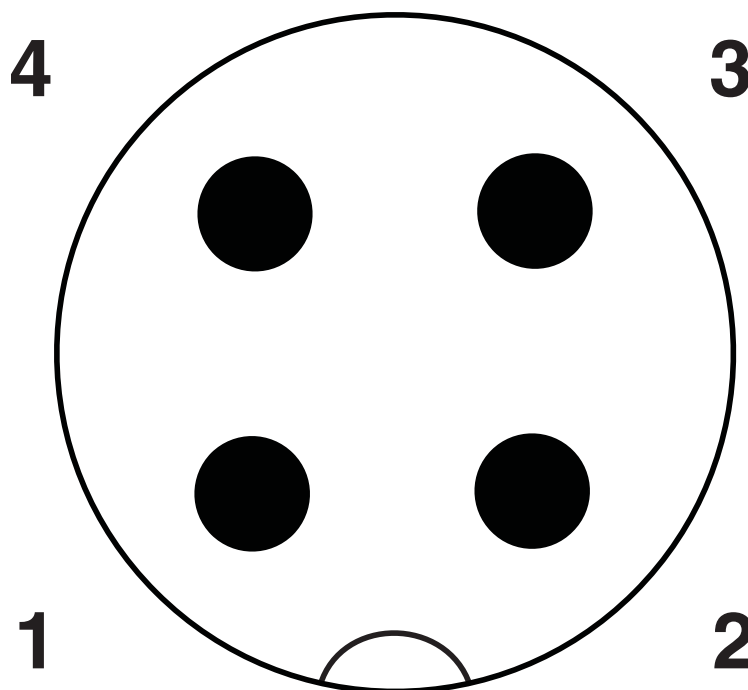


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## Drawings

Schematic diagram



Pin assignment M12 plug, 4-pos., A-coded, view plug 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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