

# SACC-CIP-M8MS-4P SMD-SPX - Sample set



1239221

<https://www.phoenixcontact.com/us/products/1239221>

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Sample set, 4-position, Pin, straight, M8, A-coding, SMD, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %)

## Commercial data

Item number	1239221
Packing unit	5 pc
Minimum order quantity	5 pc
Product key	ABQXAA
GTIN	4063151421175
Weight per piece (including packing)	6.98 g
Weight per piece (excluding packing)	2.621 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	4
Seal present	yes
Coding	A
Thread type	M8

### Insulation characteristics

Overvoltage category	III
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### Electrical properties

Contact resistance	$\leq 3 \text{ m}\Omega$
Insulation resistance	$\leq 100 \text{ M}\Omega$
Nominal voltage $U_N$	60 V
Nominal current $I_N$	3 A

### Connection data

Connection method	SMD
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### Material specifications

Flammability rating according to UL 94	V0
Seal material	FKM
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA

### Connector

#### Connection 1

Head design	Pin
Head cable outlet	straight
Head thread type	M8
Coding	A

### 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 (when plugged in)	IP67 (correctly plugged in and locked)
Degree of protection (not plugged in)	IP65 (not plugged in, by means of additional O-ring seal with device)
Ambient temperature (operation) (male connector/female connector)	-25 °C ... 105 °C (Plug / socket)
	-40 °C ... 105 °C (without mechanical actuation)

## Standards and regulations

Standard designation	M8 circular connector
Standards/specifications	according to IEC 61076-2-104

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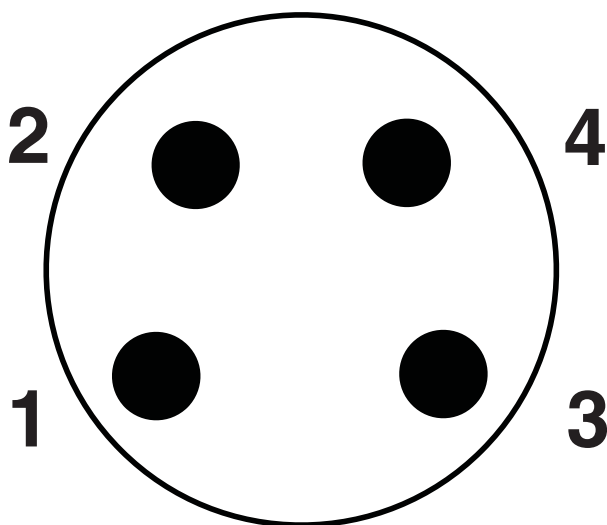
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## Drawings

Schematic diagram



Pin assignment M8 plug, 4-pos., view male side

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## Classifications

### ECLASS

ECLASS-13.0

27440223

### ETIM

ETIM 9.0

EC003557

### UNSPSC

UNSPSC 21.0

26121600

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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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