

# SACC-CIP-M12FS-4P SMD SH-SPX - Sample set



1239195

<https://www.phoenixcontact.com/us/products/1239195>

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Sample set, 4-position, Socket, straight, M12, A-coding, SMD, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %)

## Commercial data

Item number	1239195
Packing unit	5 pc
Minimum order quantity	5 pc
Product key	ABQXAA
GTIN	4063151421106
Weight per piece (including packing)	8.68 g
Weight per piece (excluding packing)	2.825 g
Country of origin	DE

## 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
Shielded	yes
Coding	A
Thread type	M12

### Insulation characteristics

Overvoltage category	II
Degree of pollution	3

### Electrical properties

Rated surge voltage	2.5 kV
Contact resistance	$\leq 3 \text{ m}\Omega$
Insulation resistance	$\geq 100 \text{ M}\Omega$
Nominal voltage $U_N$	250 V
Nominal current $I_N$	4 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	Socket
Head cable outlet	straight
Head thread type	M12
Coding	A

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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 (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)
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 socket, 4-pos., A-coded, view female 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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