

# SACC-CIP-M8FS-4P SMD-SP - Sample set



1418660

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Sample set, 4-position, Socket, straight, M8, A-coding, SMD reflow

## Commercial data

Item number	1418660
Packing unit	5 pc
Minimum order quantity	5 pc
Product key	ABQXAA
GTIN	4055626163055
Weight per piece (including packing)	6.34 g
Weight per piece (excluding packing)	2.071 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	$\geq 100 \text{ M}\Omega$
Nominal voltage $U_N$	60 V
Nominal current $I_N$	3 A

### Connection data

Connection method	SMD reflow
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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	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

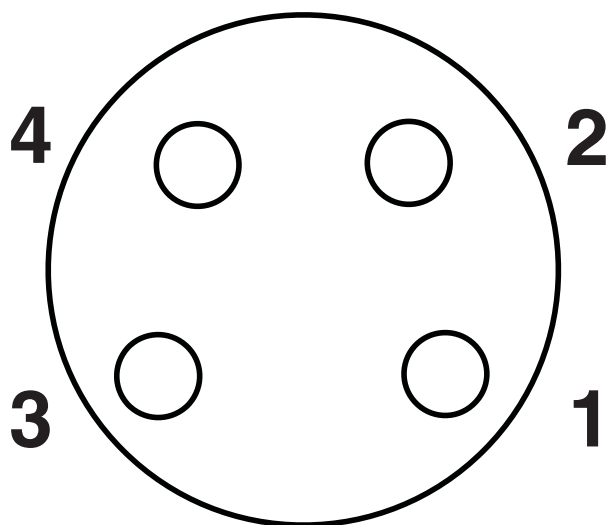
Degree of protection (when plugged in)	IP67 (correctly plugged in and locked)
Degree of protection (not plugged in)	IP65 (not plugged in, by means of additional O-ring seal with device)
Ambient temperature (operation) (male connector/female connector)	-25 °C ... 105 °C (Plug / socket)
	-40 °C ... 105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

## Standards and regulations

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

## Drawings

Schematic diagram



Pin assignment M8 socket, 4-pos., view female side

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1418660>

<div> <b>cULus Recognized</b> Approval ID: E221474-20160506</div>				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
keine				
	60 V	4 A	-	-

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## Classifications

### ECLASS

ECLASS-13.0	27440223
ECLASS-15.0	27440223

### ETIM

ETIM 9.0	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
Exemption	6(c)

### China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

### EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: n/a)
SCIP	fbfd8a63-a599-4c46-955f-aafffc6f664e

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