

# SACC-E-M12MS-8CON-M12 PSCUP - Device connector front mounting



1436440

<https://www.phoenixcontact.com/us/products/1436440>

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Sensor/actuator flush-type connector, socket, 8-pos., M12, A-coded, front/screw mounting with M12 thread, with solder cups, plastic version

## Commercial data

Item number	1436440
Packing unit	20 pc
Minimum order quantity	20 pc
Sales key	AB23
Product key	ABQEEI
GTIN	4046356438391
Weight per piece (including packing)	4.02 g
Weight per piece (excluding packing)	3.973 g
Customs tariff number	85366990
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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### Mounting

Mounting type	Front mounting (M12 x 1)
Tightening torque	0.4 Nm ... 0.6 Nm (Installation-side)

### Product properties

Product type	Circular connectors (device side)
Number of positions	8
Shielded	no
Coding	A
Thread type	M12

### Insulation characteristics

Overvoltage category	II
Degree of pollution	3

### Material specifications

Material Housing	PA 6.6
Material Insulating body	PA 6.6
Material Contact	CuZn
Material Contact surface	Au
Material Seal	Viton
Flammability rating according to UL 94	HB

### Electrical properties

Rated surge voltage	0.8 kV
Contact resistance	$\leq 3 \text{ m}\Omega$
Insulation resistance	$\geq 100 \text{ M}\Omega$
Nominal voltage $U_N$	30 V
Nominal current $I_N$	2 A

### Connection data

#### Conductor connection

Connection method	Solder cup
Contact connection type	Pin

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Conductor cross-section flexible	... 0.25 mm <sup>2</sup>
Tightening torque	0.4 Nm ... 0.6 Nm (Installation-side)

## Mechanical properties

### Mechanical data

Insertion/withdrawal cycles	> 100
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## Connector

### Connection 1

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

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP67
Ambient temperature (operation) (male connector/female connector)	-25 °C ... 85 °C (Plug / socket)
	-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 plug, 8-pos., A-coded, view plug side

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## Approvals

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**cULus Recognized**

Approval ID: E221474-20070307

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## Classifications

### ECLASS

ECLASS-13.0	27440109
ECLASS-15.0	27440109

### ETIM

ETIM 10.0	EC003569
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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: 7439-92-1)
SCIP	791e5528-9722-4183-8d7c-bc5f73f57418

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