

# SACC-DSI-FS-4CON-L180/12 SCO - Device connector rear mounting



1410777

<https://www.phoenixcontact.com/gb/products/1410777>

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Device connector rear mounting, 4-position, Socket, straight, M12-SPEEDCON, A-coding, Wave soldering

## Your advantages

- Easy PCB assembly: one-piece connectors for wave soldering
- All standard pin assignments and codings for signal, data, and power transmission with a uniform design-in design
- SPEEDCON fast locking system reduces cabling times

## Commercial data

Item number	1410777
Packing unit	20 pc
Minimum order quantity	20 pc
Note	Made to order (non-returnable)
Sales key	ABQEHL
Product key	ABQEHL
GTIN	4046356909273
Weight per piece (including packing)	13.719 g
Weight per piece (excluding packing)	12.655 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.
Order information:	Lock nut is included in the scope of delivery

### Mounting

Mounting type	Rear mounting
Tightening torque	2 Nm ... 3 Nm (Installation-side)

### Product properties

Product type	Circular connectors (device side)
Number of positions	4
Shielded	no
Coding	A
Thread type	M12

### Insulation characteristics

Overvoltage category	II
Degree of pollution	3

### Dimensions

Length of the solder pin	12 mm
	12 mm

### Material specifications

Material Housing	GD-Zn
Material Housing surface	Ni
Material Insulating body	PA 6.6
Material Contact	CuZn
Material Contact surface	Au
Material Seal	NBR
Flammability rating according to UL 94	V0

### Electrical properties

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

### Connection data

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## Conductor connection

Connection method	Wave soldering
Contact connection type	Socket
Tightening torque	2 Nm ... 3 Nm (Installation-side)

## Mechanical properties

### Mechanical data

Insertion/withdrawal cycles	> 100
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## Connector

### Connection 1

Head design	Socket
Head cable outlet	straight
Head thread type	M12
Head locking type	SPEEDCON
Coding	A

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP65 (When plugged in)
	IP67 (When plugged in)
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

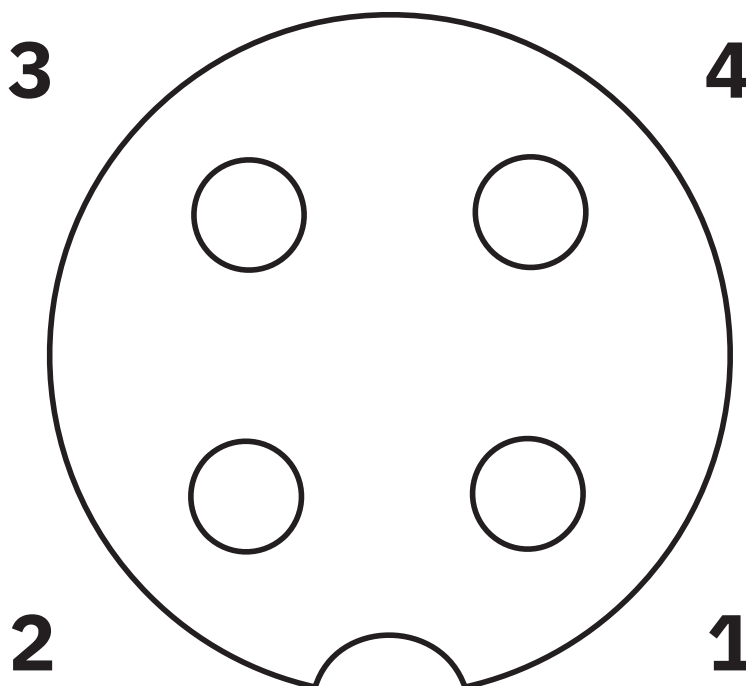
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## Drawings

Schematic diagram



Pin assignment M12 socket, 4-pos., A-coded, view female side

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## Classifications

### ECLASS

ECLASS-13.0	27440110
ECLASS-15.0	27440110

### ETIM

ETIM 9.0	EC003568
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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	88752408-2667-42c4-b2c6-4748613f3be7

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