

# SACC-DSIV-FSX-8CON-L180 SCO - Device connector rear mounting



1411820

<https://www.phoenixcontact.com/us/products/1411820>

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M12 flush-type socket, front mounting

Device connector rear mounting, Ethernet CAT6<sub>A</sub>, 8-position, Socket, straight, M12-SPEEDCON, X-coding, Wave soldering, this item is expected to be lead-free from Q2 2026 in accordance with RoHS II without exception 6c (Pb < 0.1%), a lead-free alternative is possible on request in advance

## Commercial data

Item number	1411820
Packing unit	20 pc
Minimum order quantity	20 pc
Note	Made to order (non-returnable)
Sales key	AB26
Product key	ABQAIA
GTIN	4046356956376
Weight per piece (including packing)	11.81 g
Weight per piece (excluding packing)	9.736 g
Customs tariff number	85366990
Country of origin	DE

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## Technical data

### Notes

Order information:	Lock nut is included in the scope of delivery
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### Mounting

Mounting type	Rear mounting (M12 x 1)
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### Product properties

Product type	Circular connectors (device side)
Sensor type	Ethernet
Number of positions	8
Coding	X
Thread type	M12

### Insulation characteristics

Overvoltage category	III
Degree of pollution	3

### Material specifications

Material Housing	GD-Zn
Material Housing surface	Ni
Material Contact carrier	PPA
Material Contact	CuZn
Material Contact surface	Au
Material Seal	EPDM
Flammability rating according to UL 94	V0

### Electrical properties

Rated surge voltage	1.5 kV
Contact resistance	< 5 mΩ
Insulation resistance	> 100 MΩ
Nominal voltage U <sub>N</sub>	50 V AC 60 V DC
Nominal current I <sub>N</sub>	0.5 A
Transmission characteristics (category)	CAT6 <sub>A</sub>

### Connection data

#### Conductor connection

Connection method	Wave soldering
Contact connection type	Socket

### Mechanical properties

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## 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	X

## Cable/line

Signal type/category	Ethernet CAT6 <sub>A</sub>
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## Environmental and real-life conditions

### Ambient conditions

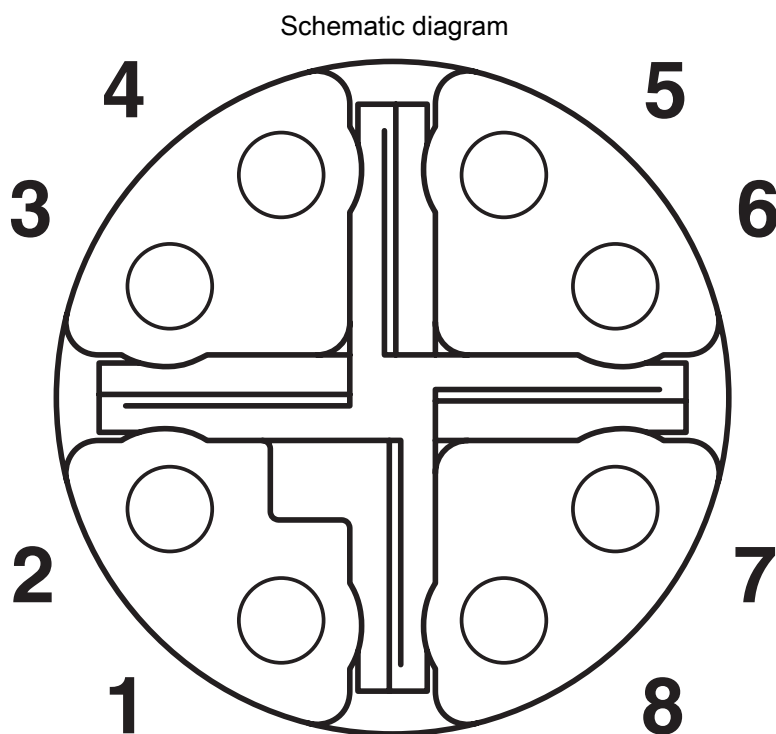
Degree of protection	IP67 (When plugged in)
Ambient temperature (operation)	-40 °C ... 85 °C
UL Type Rating	Type 4 (indoor use only)

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## Drawings



M12 socket pin assignment, 8-pos, view of socket side

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1411820>

 <b>cUL Recognized</b> Approval ID: E335024-20120308				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $mm^2$
keine				
	60 V	0.5 A	-	-

 <b>UL Recognized</b> Approval ID: E335024-20120308				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $mm^2$
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	60 V	0.5 A	-	-

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## Classifications

### ECLASS

ECLASS-13.0	27440110
ECLASS-15.0	27440110

### ETIM

ETIM 10.0	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	2e6a313b-ab58-4843-8be2-529282446794

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Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)