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



#### 1559929

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Device connector rear mounting, 12-position, Socket, straight, M12-SPEEDCON, coding: A, Rear mounting, Pg9, Solder pins, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1240075

# 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	1559929
Packing unit	20 pc
Minimum order quantity	20 pc
Product key	ABQEHL
Catalog page	Page 246 (C-2-2013)
GTIN	4046356322638
Weight per piece (including packing)	14.44 g
Weight per piece (excluding packing)	13.779 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 Pg9 With flat nut
Assembly note	With flat nut

## **Product properties**

Product type	Circular connectors (device side)
Number of positions	12
Shielded	no
Coding	A
	M40
Thread type	M12
Data management status	
	08
Data management status	
Data management status Article revision	

#### Dimensions

Length of the solder pin	6 mm
	6 mm

### Material specifications

Flammability rating according to UL 94	V0
Seal material	NBR
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA 6.6
Material for screw connection	Zinc die-cast, nickel-plated

## **Electrical properties**

Rated surge voltage	0.8 kV
Contact resistance	≤ 3 mΩ
Insulation resistance	≥ 100 MΩ



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Nominal voltage U <sub>N</sub>	30 V
Nominal current I <sub>N</sub>	1.5 A
Connection data	
Conductor connection	
Connection method	Solder pins
Contact connection type	Socket
Tightening torque	2 Nm 3 Nm (Installation-side)
Mechanical properties	
Mechanical data	
Insertion/withdrawal cycles	> 100
Connector	
Head design	Socket
Head cable outlet	straight
Head thread type	M12
Head locking type	SPEEDCON
Coding	A
Cable/line	
Ambient temperature (operation)	-40 °C 85 °C (cable, fixed installation)
	-25 °C 85 °C (Cable, flexible installation)
Environmental and real-life conditions	
Ambient conditions	
Degree of protection	IP67 (When plugged in)
	IP65 (When plugged in)
	IP65/IP67
Ambient temperature (operation)	-25 °C 85 °C (Plug / socket)
	-40 °C 85 °C (without mechanical actuation)
	-25 °C 85 °C (Cable, flexible installation)
	-40 °C 85 °C (cable, fixed installation)
Standards and regulations	

#### M12

Standard designation	M12 connector
Standards/specifications	IEC 61076-2-101

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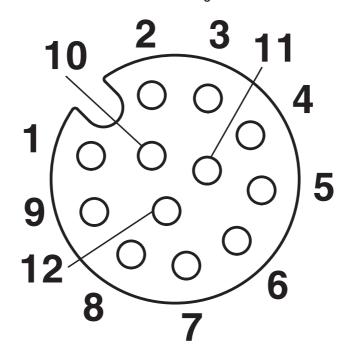


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# Drawings

Schematic diagram



Pin assignment M12, 12-pos., female side view



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# Approvals

🌣 To download certificates, visit the product detail page: https://www.phoenixcontact.com/pc/products/1559929

c <b>911</b> us	CULus Recognized Approval ID: E221474-20140616				
		Nominal voltage U <sub>N</sub>	Nominal current I <sub>N</sub>	Cross section AWG	Cross section mm <sup>2</sup>
		30 V	1.5 A	-	-

UL Recognized Approval ID: E118976-20100522				
	Nominal voltage U <sub>N</sub>	Nominal current I <sub>N</sub>	Cross section AWG	Cross section mm <sup>2</sup>
	30 V	1.5 A	26 - 26	-



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# Classifications

## ECLASS

	ECLASS-11.0	27440102
	ECLASS-12.0	27440116
	ECLASS-13.0	27440116
ΕT	IM	
	ETIM 9.0	EC002635
UN	SPSC	
	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	fa5434d2-0cd2-4be3-a32f-ec6fd5185271

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