SACC-DSI-FS-8CON-L180/12 SCOSH - Device connector, rear mounting

1408771

https://www.phoenixcontact.com/pc/products/1408771

Device connector, rear mounting, 8-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.: 1238787

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

• For high transmission reliability: optional shield connection to the housing by means of shield contact

Commercial data

Item number	1408771
Packing unit	20 pc
Minimum order quantity	20 pc
Note	Made to order (non-returnable)
Product key	ABQEHD
Catalog page	Page 247 (C-2-2013)
GTIN	4046356856331
Weight per piece (including packing)	13.89 g
Weight per piece (excluding packing)	13 g
Customs tariff number	85366990
Country of origin	DE

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Technical data

Notes

General	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.
General	Lock nut is included in the scope of delivery

Mounting

Mounting type	Rear mounting Pg9 With flat nut
Assembly instructions	With flat nut
Connection method	Solder pins
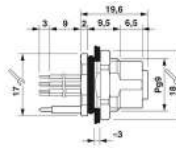
Product properties

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

Insulation characteristics	
Overvoltage category	III
Degree of pollution	3

Dimensions

Dimensional drawing	
Length of the solder pin	12 mm
	12 mm

Material specifications

Flammability rating according to UL 94	V0
Seal material	FKM
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
Nominal voltage U_N	30 V
Nominal current I_N	2 A
Test voltage	0.8 kV

Connection data

Conductor connection

Connection method	Solder pins
Tightening torque	3 Nm
	4 Nm

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	> 100

Connector

Connection 1

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

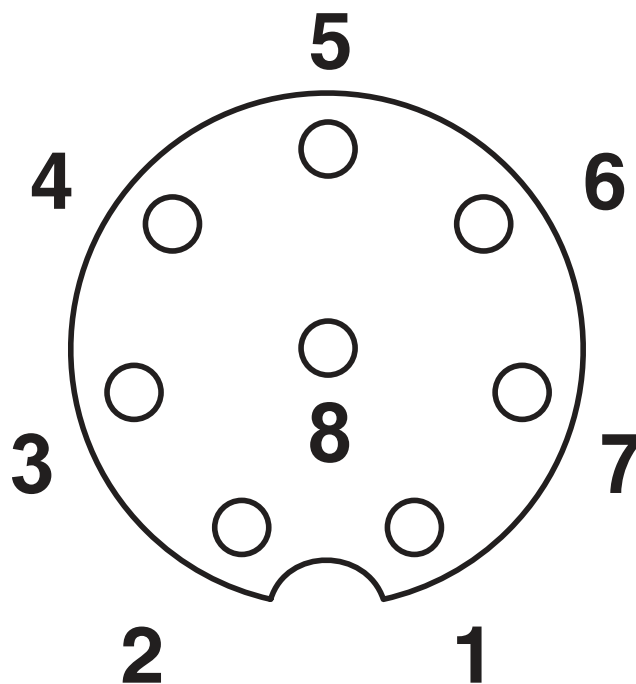# SACC-DSI-FS-8CON-L180/12 SCOSH - Device connector, rear mounting

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

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Drawings

Drilling plan/solder pad geometry

Dimensional drawing

Dimensional drawing

Schematic diagram

Pin assignment M12 socket, 8-pos., A-coded, view female side

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/pc/products/1408771

UL Recognized
Approval ID: E118976-20100522

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	30 V	2 A	- 24	-

EAC
Approval ID: B.01687

cULus Recognized
Approval ID: E221474-20140616

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	30 V	2 A	24 - 22	-

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Classifications

ECLASS

ECLASS-11.0	27440102
ECLASS-12.0	27440116
ECLASS-13.0	27440116

ETIM

ETIM 8.0	EC002635

UNSPSC

UNSPSC 21.0	39121400

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Environmental product compliance

REACh SVHC	Lead 7439-92-1

China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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Accessories

SACC-PG9-SEAL CLM - Flat gasket

1556320

https://www.phoenixcontact.com/pc/products/1556320

Pg9 flat gasket, for M12 flush-type connectors with Pg9 fastening thread

PROT-M12 - Screw plug

1680539

https://www.phoenixcontact.com/pc/products/1680539

An M12 screw plug for the unoccupied M12 sockets of the sensor/actuator cable, boxes and flush-type connectors

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PROT-M12 SH - Screw plug

1503302

https://www.phoenixcontact.com/pc/products/1503302

An M12 screw plug for the unoccupied M12 sockets of the shielded sensor/actuator cable, boxes and flush-type connectors

PROT-M12 FB - Screw plug

1555538

https://www.phoenixcontact.com/pc/products/1555538

M12 high-grade steel screw plug, for unoccupied M12 sockets of the sensor/actuator cables, boxes and flush-type connectors for the food industry