

SACC-DSI-FSD-4CON-L180/SH TQ - Device connector rear mounting



1456527

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Device connector rear mounting, Ethernet CAT5 (100 Mbps), 4-position, Socket, straight, M12-SPEEDCON, coding: D, Rear mounting, Pg9, Solder pins, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239817

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

Commercial data

Item number	1456527
Packing unit	20 pc
Minimum order quantity	1 pc
Sales key	AB26
Product key	ABQEHB
Catalog page	Page 90 (C-2-2013)
GTIN	4046356617185
Weight per piece (including packing)	14.21 g
Weight per piece (excluding packing)	14.21 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)
Application	Data
Sensor type	Signal
Number of positions	Ethernet
Shielded	4
Coding	yes
Thread type	D
	M12

Insulation characteristics

Overvoltage category	II
Degree of pollution	3

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	Ni/Au
Contact carrier material	PA 6.6
Material for screw connection	Zinc die-cast, nickel-plated

Electrical properties

Rated surge voltage	2.5 kV
Contact resistance	$\leq 3 \text{ m}\Omega$

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Insulation resistance	$\geq 100 \text{ M}\Omega$
Nominal voltage U_N	48 V AC
	60 V DC
Nominal current I_N	4 A
Transmission characteristics (category)	CAT5 (IEC 11801:2002)

Connection data

Conductor connection

Connection method	Solder pins
Contact connection type	Socket
Tightening torque	3 Nm ... 4 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	D

Cable/line

Signal type/category	Ethernet CAT5, 100 Mbps
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Environmental and real-life conditions

Ambient conditions

Degree of protection	IP67 (When plugged in) IP65 (When plugged in) IP65/IP67
Ambient temperature (operation)	-40 °C ... 70 °C (Plug / socket) -50 °C ... 70 °C (Cable, flexible installation) -20 °C ... 60 °C (cable, fixed installation)

Standards and regulations

M12

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

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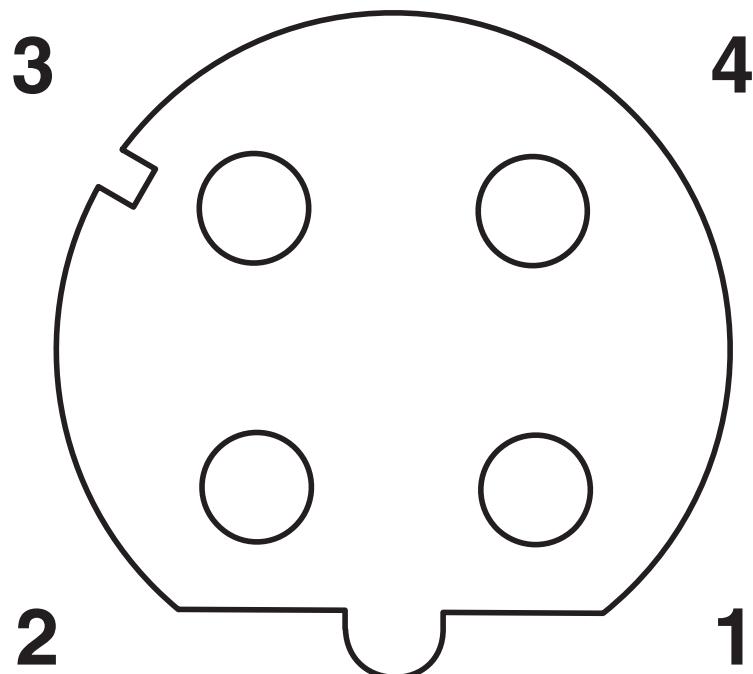


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Drawings

Schematic diagram



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

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Approvals

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UL Recognized Approval ID: E118976-20100522				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	250 V	4 A	22 - 22	-

cULus Recognized Approval ID: E221474-20140616				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	250 V	4 A	-	-

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Classifications

ECLASS

ECLASS-13.0	27440109
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ETIM

ETIM 9.0	EC002635
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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.
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EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	cc2c59bc-2997-48c1-91c3-30cec86ccc3a

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