

SACC-DSI-M12FSD-4CON-L180 VA - Device connector rear mounting



1424071

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Similar figure

Device connector rear mounting, Ethernet, 4-position, Socket, straight, M12-Standard, D-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

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

Commercial data

Item number	1424071
Packing unit	20 pc
Minimum order quantity	1 pc
Sales key	AB26
Product key	ABQEPL
GTIN	4046356675413
Weight per piece (including packing)	15.455 g
Weight per piece (excluding packing)	14.26 g
Customs tariff number	85366990
Country of origin	DE

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Technical data

Mounting

Mounting type	Rear mounting (Pg9, with locking nut)
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Product properties

Product type	Circular connectors (device side)
Application	Data
	Signal
Number of positions	4
Shielded	no
Coding	D
Thread type	M12

Insulation characteristics

Overvoltage category	II
Degree of pollution	3

Dimensions

Length of the solder pin	6 mm
	6 mm

Material specifications

Material Housing	Steel
Material Contact carrier	PA 6.6
Material Contact	CuZn
Material Contact surface	Au
Material Seal	FKM
Flammability rating according to UL 94	V0

Electrical properties

Contact resistance	$\leq 3 \text{ m}\Omega$
Insulation resistance	$\geq 100 \text{ M}\Omega$
Nominal voltage U_N	250 V
Nominal current I_N	4 A

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	Standard
Coding	D

Cable/line

Signal type/category	Ethernet
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Environmental and real-life conditions

Ambient conditions

Degree of protection	IP65/IP67/IP69/IP69K
	IP65/IP67/IP69K
Ambient temperature (operation) (male connector/female connector)	-25 °C ... 85 °C
	-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., D-coded, female side

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1424071>

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

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

 cULus Recognized Approval ID: E221474-20140616				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	250 V	4 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	a0b56713-a3c5-4527-814b-f851ea5ece11

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