

SACC-DSI-MSD-4CON-L180/SH RDX - Device connector rear mounting



1239855

<https://www.phoenixcontact.com/us/products/1239855>

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Device connector rear mounting, 4-position, Pin, straight, M12-SPEEDCON, D-coding, Wave soldering, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %)

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	1239855
Packing unit	20 pc
Minimum order quantity	20 pc
Product key	ABQEGB
GTIN	4063151433529
Weight per piece (including packing)	14.135 g
Weight per piece (excluding packing)	12.9 g
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

Tightening torque	3 Nm ... 4 Nm (Installation-side)
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Product properties

Product type	Circular connectors (device side)
Application	Data
Number of positions	4
Shielded	yes
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	GD-Zn
Material Housing surface	Ni
Material Insulating body	PA 6.6
Material Contact	CuZn
Material Contact surface	Au
Material Seal	NBR
Flammability rating according to UL 94	V0

Electrical properties

Rated surge voltage	2.5 kV
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

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Contact connection type	Pin
Tightening torque	3 Nm ... 4 Nm (Installation-side)

Connector

Connection 1

Head design	Pin
Head cable outlet	straight
Head thread type	M12
Head locking type	SPEEDCON
Coding	D

Cable/line

AWG signal line	22
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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) (fixed installation)	-40 °C ... 70 °C (Plug / socket)
Ambient temperature (operation) (flexible installation)	-50 °C ... 70 °C (Cable, flexible installation)
Ambient temperature (operation) (male connector/female connector)	-20 °C ... 60 °C (cable, fixed installation)

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Drawings

Schematic diagram



Pin assignment M12 male connector, 4-pos., D-coded, male side

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Classifications

ECLASS

ECLASS-13.0

27440110

ETIM

ETIM 9.0

EC003569

UNSPSC

UNSPSC 21.0

26121600

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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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