

# SACC-DSI-M12MS-8CON-L180 VAX - Device connector rear mounting



1239922

<https://www.phoenixcontact.com/us/products/1239922>

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Device connector rear mounting, 8-position, Pin, straight, M12-Standard, A-coding, Solder pins, 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

## Commercial data

Item number	1239922
Packing unit	20 pc
Minimum order quantity	20 pc
Product key	ABQEOL
GTIN	4063151431785
Weight per piece (including packing)	15.76 g
Weight per piece (excluding packing)	14.05 g
Country of origin	DE

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## connector rear mounting



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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

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

Product type	Circular connectors (device side)
Number of positions	8
Shielded	no
Coding	A
Thread type	M12

#### Insulation characteristics

Overvoltage category	II
Degree of pollution	3

#### Material specifications

Material Housing	Stainless steel
Material Insulating body	PA 6.6
Material Contact	CuZn
Material Contact surface	Au
Flammability rating according to UL 94	V0
Seal material	NBR

#### Electrical properties

Rated surge voltage	0.8 kV
Contact resistance	$\leq 3 \text{ m}\Omega$
Insulation resistance	$\geq 100 \text{ M}\Omega$
Nominal voltage $U_N$	30 V
Nominal current $I_N$	2 A

#### Connection data

##### Conductor connection

Connection method	Solder pins
Contact connection type	Pin

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

### Mechanical data

Insertion/withdrawal cycles	> 100
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## Connector

### Connection 1

Head design	Pin
Head cable outlet	straight
Head thread type	M12
Head locking type	Standard
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	IP65/IP67/IP69/IP69K
	IP65/IP67/IP69K
Ambient temperature (operation) (male connector/female connector)	-25 °C ... 85 °C (Plug / socket)
	-40 °C ... 85 °C (without mechanical actuation)
Ambient temperature (operation) (Cable, flexible installation)	-25 °C ... 85 °C (Cable, flexible installation)
Ambient temperature (operation) (Cable, fixed installation)	-40 °C ... 85 °C (cable, fixed installation)

## 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 plug, 8-pos., view plug side

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## Classifications

### ECLASS

ECLASS-13.0	27440110
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### ETIM

ETIM 9.0	EC003569
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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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