SACC-DSI-M 8MS-4CON-L180 - Device connector rear mounting

1694347

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Device connector rear mounting, Universal, 4-position, Pin, straight, M8, A-coding, Wave soldering

Your advantages

- Easy PCB assembly: one-piece connectors for wave soldering
- Standard pin assignments and codings for signal transmission with a uniform design-in design
- For high transmission reliability: optional shield connection to the housing and latching on the PCB

Commercial data

Item number	1694347
Packing unit	20 pc
Minimum order quantity	1 pc
Sales key	AB22
Product key	ABQJAA
GTIN	4017918178680
Weight per piece (including packing)	5.8 g
Weight per piece (excluding packing)	4.34 g
Customs tariff number	85366990
Country of origin	DE

Technical data

Mounting

Mounting type	Rear mounting (M8 x 1, with locking nut)
Tightening torque	1 Nm ... 1.5 Nm (Installation-side)

Product properties

Product type	Circular connectors (device side)
Number of positions	4
Shielded	no
Coding	A
Thread type	M8

Insulation characteristics

Overvoltage category	II
Degree of pollution	3

Dimensions

Length of the solder pin	4.5 mm
	4.5 mm
Diameter Solder contact	0.6 mm

Material specifications

Material Housing	CuZn
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	HB

Electrical properties

Rated surge voltage	1.5 kV
Contact resistance	≤ 3 mΩ
Insulation resistance	≥ 100 MΩ
Nominal voltage U_N	48 V AC
	60 V DC
Nominal current I_N	4 A

Connection data

Conductor connection

Connection method	Wave soldering

Contact connection type	Pin
Tightening torque	1 Nm ... 1.5 Nm (Installation-side)

Interfaces

Signal type/category	Universal

Connector

Connection 1

Head design	Pin
Head cable outlet	straight
Head thread type	M8
Coding	A

Environmental and real-life conditions

Ambient conditions

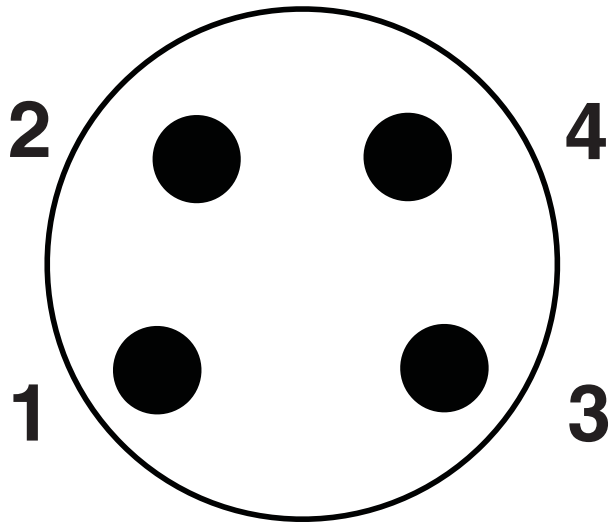
Degree of protection	IP67
Ambient temperature (operation) (male connector/female connector)	-40 °C ... 85 °C
Ambient temperature (operation)	-25 °C ... 85 °C
UL Type Rating	Type 4 (indoor use only)

Standards and regulations

Standard designation	M8 circular connector
Standards/specifications	according to IEC 61076-2-104

Drawings

Schematic diagram



Pin assignment M8 plug, 4-pos., view male side

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1694347

cUL Recognized
Approval ID: E221474-20070307

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	30 V	4 A	-	-

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Classifications

ECLASS

ECLASS-13.0	27440110
ECLASS-15.0	27440110

ETIM

ETIM 10.0	EC003568

UNSPSC

UNSPSC 21.0	39121400

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	003bdea1-d07c-4650-9d05-e1e556ae89f2

EF3.1 Climate Change

CO2e kg	0.539 kg CO2e

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