

# 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, coding: A, Rear mounting, M8 x 1, 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

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## Technical data

### Mounting

Mounting type	Rear mounting M8 x 1 With locking nut
Assembly note	With locking nut

### Product properties

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

### Insulation characteristics

Overvoltage category	II
Degree of pollution	3

### Material specifications

Flammability rating according to UL 94	HB
Seal material	NBR
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA 6.6
Material for screw connection	Brass, nickel-plated

### Electrical properties

Rated surge voltage	1.5 kV
Contact resistance	$\leq 3 \text{ m}\Omega$
Insulation resistance	$\geq 100 \text{ M}\Omega$
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)

### Connector

#### Connection 1

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

## Cable/line

Signal type/category	Universal
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## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP67
	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

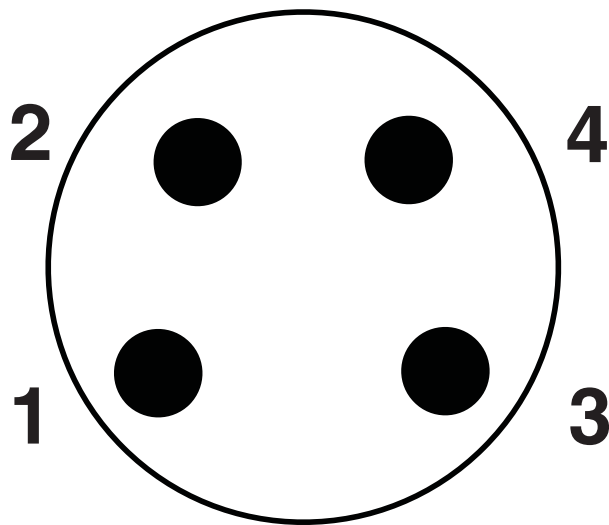
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## Drawings

Schematic diagram



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


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## Approvals

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 <b>cUL Recognized</b> Approval ID: E221474-20070307				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
	30 V	4 A	-	-

 <b>UL Recognized</b> Approval ID: E221474-20070307				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
	30 V	4 A	-	-

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## Classifications

### ECLASS

ECLASS-13.0	27440110
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### ETIM

ETIM 9.0	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	003bdea1-d07c-4650-9d05-e1e556ae89f2

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