

# SACC-DSI-M 8MS-6CON-L180 - Device connector rear mounting



1436521

<https://www.phoenixcontact.com/us/products/1436521>

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Device connector rear mounting, Universal, 6-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	1436521
Packing unit	20 pc
Minimum order quantity	20 pc
Sales key	AB22
Product key	ABQJAA
GTIN	4046356434881
Weight per piece (including packing)	5.625 g
Weight per piece (excluding packing)	5.07 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)
Tightening torque	1 Nm ... 1.5 Nm (Installation-side)

### Product properties

Product type	Circular connectors (device side)
Application	Data
Sensor type	Universal
Number of positions	6
Shielded	no
Coding	A
Thread type	M8

### Insulation characteristics

Overvoltage category	II
Degree of pollution	3

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

### Connection data

#### Conductor connection

Connection method	Wave soldering
Contact connection type	Pin
Tightening torque	1 Nm ... 1.5 Nm (Installation-side)

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## Connector

### Connection 1

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
Ambient temperature (operation) (male connector/female connector)	-40 °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

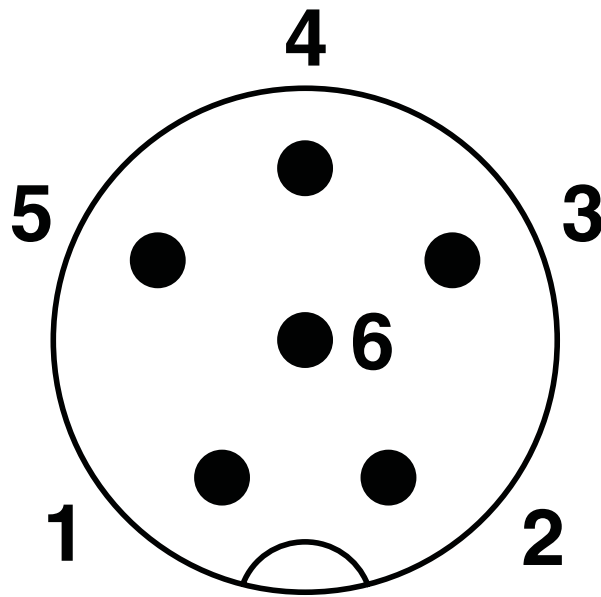
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## Drawings

Schematic diagram



Pin assignment M8 plug, 6-pos., view male side

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1436521>

 <b>cUL Recognized</b> Approval ID: E221474-20070307				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
keine				
	30 V	1.5 A	26	-

 <b>UL Recognized</b> Approval ID: E221474-20070307				
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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	c5928ff5-9613-4055-b459-52dcac8b26d1

### EF3.1 Climate Change

CO2e kg	0.88 kg CO2e
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