

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



1456022

<https://www.phoenixcontact.com/us/products/1456022>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Device connector rear mounting, Universal, 6-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	1456022
Packing unit	20 pc
Minimum order quantity	20 pc
Sales key	AB22
Product key	ABQJAA
Catalog page	Page 229 (C-2-2013)
GTIN	4046356605939
Weight per piece (including packing)	6.235 g
Weight per piece (excluding packing)	6.12 g
Customs tariff number	85366990
Country of origin	DE

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



1456022

<https://www.phoenixcontact.com/us/products/1456022>

## Technical data

### Mounting

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

### Product properties

Product type	Circular connectors (device side)
Sensor type	Universal
Number of positions	6
Shielded	yes
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	Cu alloy
Contact surface material	Au
Contact carrier material	PA 6.6
Material for screw connection	Zinc die-cast, nickel-plated

### 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)

### Connector

#### Connection 1

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



1456022

<https://www.phoenixcontact.com/us/products/1456022>

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

## Cable/line

Signal type/category	Universal
Ambient temperature (operation)	-40 °C ... 85 °C

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP67
	IP67
Ambient temperature (operation)	-40 °C ... 85 °C
	-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

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

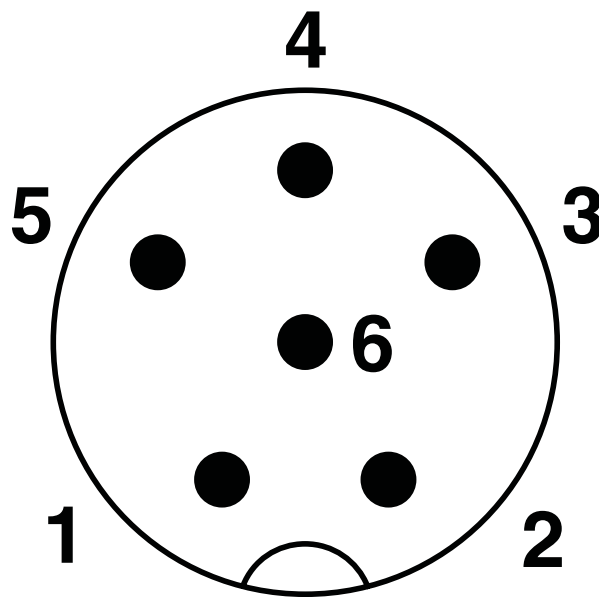


1456022

<https://www.phoenixcontact.com/us/products/1456022>

## Drawings

Schematic diagram





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

1456022  
<https://www.phoenixcontact.com/us/products/1456022>

Approvals

 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1456022>

	<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	1.5 A	26	-

	<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	1.5 A	26	-

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



1456022  
<https://www.phoenixcontact.com/us/products/1456022>

## Classifications

### ECLASS

ECLASS-13.0	27440110
-------------	----------

### ETIM

ETIM 9.0	EC003568
----------	----------

### UNSPSC

UNSPSC 21.0	39121400
-------------	----------

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



1456022

<https://www.phoenixcontact.com/us/products/1456022>

## 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	9a3c2fd5-a375-4620-9542-96b981f61c31

Phoenix Contact 2025 © - all rights reserved

<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)