

# SACC-DSI-M8MS-4CON-L90 SH - Device connector rear mounting



1456048

<https://www.phoenixcontact.com/us/products/1456048>

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, 4-position, Pin, angled, 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	1456048
Packing unit	20 pc
Minimum order quantity	20 pc
Sales key	AB22
Product key	ABQJAA
GTIN	4046356605915
Weight per piece (including packing)	6.585 g
Weight per piece (excluding packing)	6.585 g
Customs tariff number	85366990
Country of origin	DE

# SACC-DSI-M8MS-4CON-L90 SH - Device connector rear mounting



1456048

<https://www.phoenixcontact.com/us/products/1456048>

## Technical data

### Mounting

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

### Product properties

Product type	Circular connectors (device side)
Number of positions	4
Shielded	yes
Coding	A
Thread type	M8

### Insulation characteristics

Ovvoltage category	II
Degree of pollution	3

### Material specifications

Material Housing	GD-Zn
Material Housing surface	Ni
Material Insulating body	PA 6.6
Material Contact	CuZn
Material	Au
Material Seal	NBR
Flammability rating according to UL 94	HB

### 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

# SACC-DSI-M8MS-4CON-L90 SH - Device connector rear mounting



1456048

<https://www.phoenixcontact.com/us/products/1456048>

Head design	Pin
Head cable outlet	angled
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

## Standards and regulations

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

# SACC-DSI-M8MS-4CON-L90 SH - Device connector rear mounting

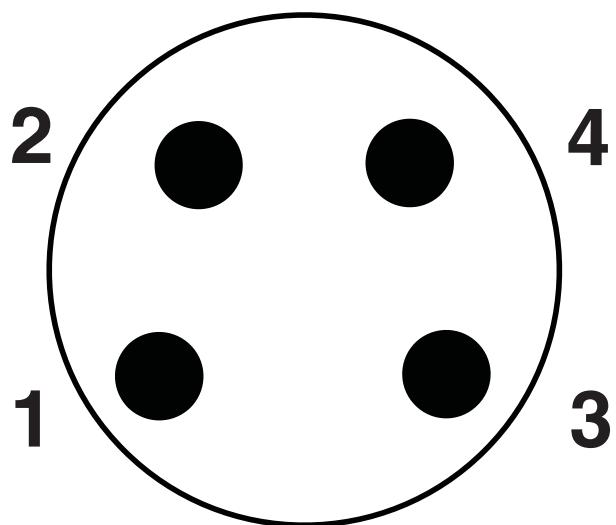


1456048

<https://www.phoenixcontact.com/us/products/1456048>

## Drawings

Schematic diagram



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

# SACC-DSI-M8MS-4CON-L90 SH - Device connector rear mounting



1456048

<https://www.phoenixcontact.com/us/products/1456048>

## Approvals

ⓘ To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1456048>

<b>cUL Recognized</b> Approval ID: E221474-20070307				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $mm^2$
keine	30 V	4 A	24	-

<b>UL Recognized</b> Approval ID: E221474-20070307				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $mm^2$
keine	30 V	4 A	24	-

# SACC-DSI-M8MS-4CON-L90 SH - Device connector rear mounting



1456048

<https://www.phoenixcontact.com/us/products/1456048>

## Classifications

### ECLASS

ECLASS-13.0	27440110
ECLASS-15.0	27440110

### ETIM

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

### UNSPSC

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

# SACC-DSI-M8MS-4CON-L90 SH - Device connector rear mounting



1456048

<https://www.phoenixcontact.com/us/products/1456048>

## 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	87568659-0b37-41ed-a6b3-644cada1e37b

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)