

# SACC-DSI-M8FS-3CON-M10-L90 SH - Device connector rear mounting



1456145

<https://www.phoenixcontact.com/us/products/1456145>

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, 3-position, Socket, 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	1456145
Packing unit	20 pc
Minimum order quantity	20 pc
Sales key	AB22
Product key	ABQJAB
GTIN	4046356605748
Weight per piece (including packing)	6.977 g
Weight per piece (excluding packing)	6.977 g
Customs tariff number	85366990
Country of origin	DE

# SACC-DSI-M8FS-3CON-M10-L90 SH - Device connector rear mounting



1456145

<https://www.phoenixcontact.com/us/products/1456145>

## Technical data

### Mounting

Mounting type	Rear mounting (M10, with flat nut)
Tightening torque	1 Nm ... 1.5 Nm (Installation-side)

### Product properties

Product type	Circular connectors (device side)
Number of positions	3
Shielded	yes
Coding	A
Thread type	M8

### Insulation characteristics

Overvoltage category	II
Degree of pollution	3

### Material specifications

Material Housing	GD-Zn
Material Housing surface	Ni
Material Insulating body	PA 6.6
Material Contact	Cu alloy
Material Contact surface	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	Socket
Tightening torque	1 Nm ... 1.5 Nm (Installation-side)

### Mechanical properties

#### Mechanical data

# SACC-DSI-M8FS-3CON-M10-L90 SH - Device connector rear mounting



1456145

<https://www.phoenixcontact.com/us/products/1456145>

Insertion/withdrawal cycles	> 100
-----------------------------	-------

## Connector

### Connection 1

Head design	Socket
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

## Standards and regulations

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

# SACC-DSI-M8FS-3CON-M10-L90 SH - Device connector rear mounting

1456145

<https://www.phoenixcontact.com/us/products/1456145>

## Drawings

Schematic diagram



Pin assignment M8 socket, 3-pos., view female side

# SACC-DSI-M8FS-3CON-M10-L90 SH - Device connector rear mounting



1456145

<https://www.phoenixcontact.com/us/products/1456145>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1456145>

 <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	4 A	24	-

 <b>UL 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	4 A	24	-

# SACC-DSI-M8FS-3CON-M10-L90 SH - Device connector rear mounting



1456145

<https://www.phoenixcontact.com/us/products/1456145>

## Classifications

### ECLASS

ECLASS-13.0	27440110
ECLASS-15.0	27440110

### ETIM

ETIM 10.0	EC003568
-----------	----------

### UNSPSC

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

# SACC-DSI-M8FS-3CON-M10-L90 SH - Device connector rear mounting



1456145

<https://www.phoenixcontact.com/us/products/1456145>

## 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	6a77e7db-d564-4372-8515-51477e7a94fd

### EF3.1 Climate Change

CO2e kg	1.318 kg CO2e
---------	---------------

Phoenix Contact 2026 © - 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)