

SACC-DSI-M 8MS-3CON-L90 SH - Device connector rear mounting



1456035

<https://www.phoenixcontact.com/us/products/1456035>

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, 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 | 1456035 |
| Packing unit | 20 pc |
| Minimum order quantity | 20 pc |
| Sales key | AB22 |
| Product key | ABQJAA |
| GTIN | 4046356605922 |
| Weight per piece (including packing) | 6.434 g |
| Weight per piece (excluding packing) | 4.5 g |
| Customs tariff number | 85366990 |
| Country of origin | DE |

SACC-DSI-M 8MS-3CON-L90 SH - Device connector rear mounting



1456035

<https://www.phoenixcontact.com/us/products/1456035>

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 | 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 | Pin |
| Tightening torque | 1 Nm ... 1.5 Nm (Installation-side) |

Connector

Connection 1

SACC-DSI-M 8MS-3CON-L90 SH - Device connector rear mounting



1456035

<https://www.phoenixcontact.com/us/products/1456035>

| | |
|-------------------|--------|
| 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 |
| UL Type Rating | Type 4 (indoor use only) |

Standards and regulations

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

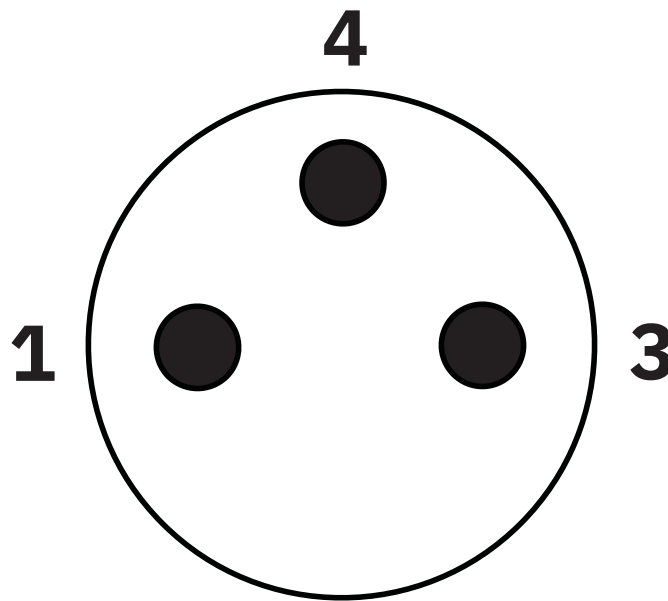
SACC-DSI-M 8MS-3CON-L90 SH - Device connector rear mounting

1456035

<https://www.phoenixcontact.com/us/products/1456035>

Drawings

Schematic diagram



Pin assignment M8 plug, 3-pos., view male side

SACC-DSI-M 8MS-3CON-L90 SH - Device connector rear mounting



1456035

<https://www.phoenixcontact.com/us/products/1456035>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1456035>

|  cUL Recognized 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 | - |

|  UL Recognized 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-M 8MS-3CON-L90 SH - Device connector rear mounting



1456035

<https://www.phoenixcontact.com/us/products/1456035>

Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 27440110 |
| ECLASS-15.0 | 27440110 |

ETIM

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

UNSPSC

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

SACC-DSI-M 8MS-3CON-L90 SH - Device connector rear mounting



1456035

<https://www.phoenixcontact.com/us/products/1456035>

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 | 8d9d1fd2-0a50-4a15-a531-ae94d43f4fae |

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