

# SACC-DSI-M8FS-3CON-M10/1,0 - Device connector rear mounting



1421124

<https://www.phoenixcontact.com/nl/products/1421124>

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, M8, A-coding, on free cable end, Individual wires, cable length: 1 m, 0.25 mm<sup>2</sup>, PVC litz wire

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1421124       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | ABQIDB        |
| Product key                          | ABQIDB        |
| GTIN                                 | 4055626253145 |
| Weight per piece (including packing) | 18,56 g       |
| Weight per piece (excluding packing) | 16,1 g        |
| Customs tariff number                | 85444290      |
| Country of origin                    | DE            |

# SACC-DSI-M8FS-3CON-M10/1,0 - Device connector rear mounting



1421124

<https://www.phoenixcontact.com/nl/products/1421124>

## Technical data

### Mounting

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

### Product properties

|                      |        |
|----------------------|--------|
| Application          | Signal |
| Number of positions  | 3      |
| No. of cable outlets | 1      |
| Shielded             | no     |
| Coding               | A      |
| Thread type          | M8     |

### Insulation characteristics

|                      |    |
|----------------------|----|
| Overvoltage category | II |
| Degree of pollution  | 3  |

### Material specifications

|                                        |                          |
|----------------------------------------|--------------------------|
| Material Housing                       | GD-Zn                    |
| Material Housing surface               | Ni                       |
| Flammability rating according to UL 94 | HB                       |
| Contact material                       | Cu alloy                 |
| Contact surface material               | Au                       |
| Contact carrier material               | PUR/PA 6.6               |
| Conductor material                     | Tin-plated Cu litz wires |

### Electrical properties

|                           |                            |
|---------------------------|----------------------------|
| Rated surge voltage       | 1.5 kV                     |
| Insulation resistance     | $\geq 100 \text{ M}\Omega$ |
| Nominal voltage $U_N$     | 48 V AC                    |
|                           | 60 V DC                    |
| Nominal current $I_N$     | 4 A                        |
| Max. conductor resistance | 80 $\Omega/\text{km}$      |

### Connection data

#### Conductor connection

|                         |                                     |
|-------------------------|-------------------------------------|
| Connection method       | Individual wires                    |
| Contact connection type | Socket                              |
| Conductor cross-section | 0.25 mm <sup>2</sup>                |
| Tightening torque       | 1 Nm ... 1.5 Nm (Installation-side) |

# SACC-DSI-M8FS-3CON-M10/1,0 - Device connector rear mounting



1421124

<https://www.phoenixcontact.com/nl/products/1421124>

## Connector

### Connection 1

|                  |        |
|------------------|--------|
| Head design      | Socket |
| Head thread type | M8     |
| Coding           | A      |

### Connection 2

|             |                |
|-------------|----------------|
| Head design | free cable end |
|-------------|----------------|

## Cable/line

|                             |                                  |
|-----------------------------|----------------------------------|
| Cable length                | 1 m                              |
| Cable type                  | PVC litz wire                    |
| Single wire, color          | brown, blue, black               |
| Cable cross section         | 0.25 mm <sup>2</sup>             |
| Conductor material          | Tin-plated Cu litz wires         |
| Material wire insulation    | PVC / UL                         |
| Thickness, insulation       | 0.21 mm                          |
| Nominal voltage, cable      | 450 V                            |
| Test voltage, cable         | 2500 V (Test duration: 1 minute) |
| Cable resistance            | ≥ 80 Ω/km                        |
| Cable insulation resistance | ≥ 20 MΩ*km                       |

## Standards and regulations

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

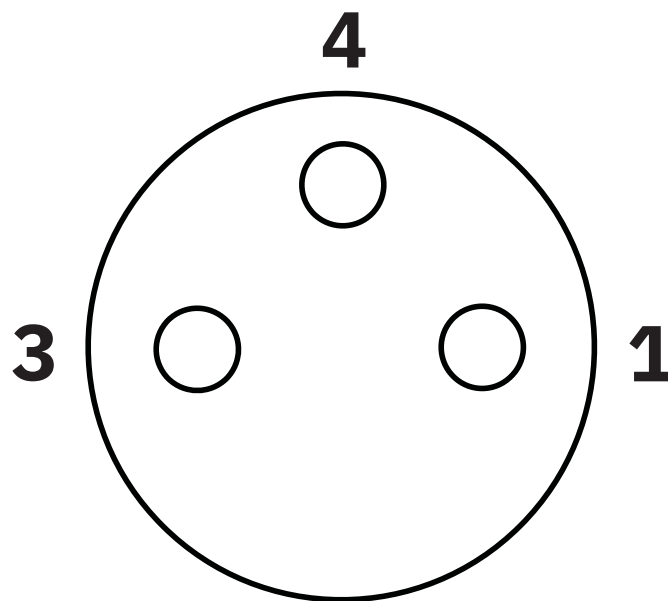
# SACC-DSI-M8FS-3CON-M10/1,0 - Device connector rear mounting

1421124

<https://www.phoenixcontact.com/nl/products/1421124>

## Drawings

Schematic diagram



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

# SACC-DSI-M8FS-3CON-M10/1,0 - Device connector rear mounting



1421124

<https://www.phoenixcontact.com/nl/products/1421124>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/nl/products/1421124>

|                                                                                                                                          |                       |                       |                   |                             |
|------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------------|-----------------------------|
|  <b>cUL Recognized</b><br>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><br>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-M10/1,0 - Device connector rear mounting



1421124

<https://www.phoenixcontact.com/nl/products/1421124>

## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27440103 |
| ECLASS-15.0 | 27440103 |

### ETIM

|           |          |
|-----------|----------|
| ETIM 10.0 | EC003570 |
|-----------|----------|

### UNSPSC

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

# SACC-DSI-M8FS-3CON-M10/1,0 - Device connector rear mounting



1421124

<https://www.phoenixcontact.com/nl/products/1421124>

## 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                                | fd1f3fd6-ce96-407f-b307-c6c289c61709 |

Phoenix Contact 2026 © - all rights reserved  
<https://www.phoenixcontact.com>

PHOENIX CONTACT B.V.  
Hengelder 56 6902 PA Zevenaar  
Postbus 246 6900 AE Zevenaar  
(0316) 59 17 20  
[sales@phoenixcontact.nl](mailto:sales@phoenixcontact.nl)