

# SACC-E-M 8FS-3CON-M8/0,5 - Device connector front mounting



1500350

<https://www.phoenixcontact.com/us/products/1500350>

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 front mounting, 3-position, Socket, straight, M8, A-coding, Individual wires, cable length: 0.5 m, 0.25 mm<sup>2</sup>, PVC litz wire

## Your advantages

- Preassembled with litz wires for immediate use
- Customer-specific assemblies and litz wire lengths available
- Sealed on the litz wire side for optimum leak-tightness
- Standard pin assignments and codings for signal transmission with a uniform design-in design

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1500350       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | AB22          |
| Product key                          | ABQIBA        |
| GTIN                                 | 4017918589066 |
| Weight per piece (including packing) | 12 g          |
| Weight per piece (excluding packing) | 10.84 g       |
| Customs tariff number                | 85444290      |
| Country of origin                    | DE            |

# SACC-E-M 8FS-3CON-M8/0,5 - Device connector front mounting



1500350

<https://www.phoenixcontact.com/us/products/1500350>

## Technical data

### Mounting

|                   |                                     |
|-------------------|-------------------------------------|
| Mounting type     | Front mounting (M8 x 0,5)           |
| Tightening torque | 0.8 Nm ... 1 Nm (Installation-side) |

### Product properties

|                      |                                   |
|----------------------|-----------------------------------|
| Product type         | Circular connectors (device side) |
| 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

|                                        |                          |
|----------------------------------------|--------------------------|
| Flammability rating according to UL 94 | HB                       |
| Seal material                          | Viton                    |
| Contact material                       | CuSn                     |
| Contact surface material               | Au                       |
| Contact carrier material               | PUR                      |
| Material for screw connection          | Brass, nickel-plated     |
| Conductor material                     | Tin-plated Cu litz wires |

### 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                        |
| 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> |

# SACC-E-M 8FS-3CON-M8/0,5 - Device connector front mounting



1500350

<https://www.phoenixcontact.com/us/products/1500350>

|                   |                                     |
|-------------------|-------------------------------------|
| Tightening torque | 0.8 Nm ... 1 Nm (Installation-side) |
|-------------------|-------------------------------------|

## Connector

### Connection 1

|                   |          |
|-------------------|----------|
| Head design       | Socket   |
| Head cable outlet | straight |
| Head thread type  | M8       |
| Coding            | A        |

## Cable/line

|                                 |                                                  |
|---------------------------------|--------------------------------------------------|
| Cable length                    | 0.5 m                                            |
| Cable type                      | PVC litz wire                                    |
| Wire diameter incl. insulation  | 1.5 mm $\pm$ 0.1 mm                              |
| Single wire, color              | brown, blue, black                               |
| Cable cross section             | 0.25 mm <sup>2</sup>                             |
| Conductor material              | Tin-plated Cu litz wires                         |
| Conductor structure signal line | 7x 0.20 mm                                       |
| AWG signal line                 | 24                                               |
| Material wire insulation        | PVC / UL                                         |
| Thickness, insulation           | 0.21 mm                                          |
| Nominal voltage, cable          | 300 V                                            |
| Test voltage, cable             | 2000 V AC                                        |
| Cable resistance                | $\geq 80 \Omega/\text{km}$                       |
| Cable insulation resistance     | $\geq 20 \text{ M}\Omega \cdot \text{km}$        |
| Ambient temperature (operation) | -40 °C ... 105 °C (cable, fixed installation)    |
|                                 | -10 °C ... 105 °C (Cable, flexible installation) |

## Environmental and real-life conditions

### Ambient conditions

|                                                                   |                                                  |
|-------------------------------------------------------------------|--------------------------------------------------|
| Degree of protection                                              | IP67                                             |
| Ambient temperature (operation) (male connector/female connector) | -25 °C ... 85 °C (Plug / socket)                 |
| Ambient temperature (operation) (Cable, fixed installation)       | -40 °C ... 105 °C (cable, fixed installation)    |
| Ambient temperature (operation) (Cable, flexible installation)    | -10 °C ... 105 °C (Cable, flexible installation) |

## Standards and regulations

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

# SACC-E-M 8FS-3CON-M8/0,5 - Device connector front mounting

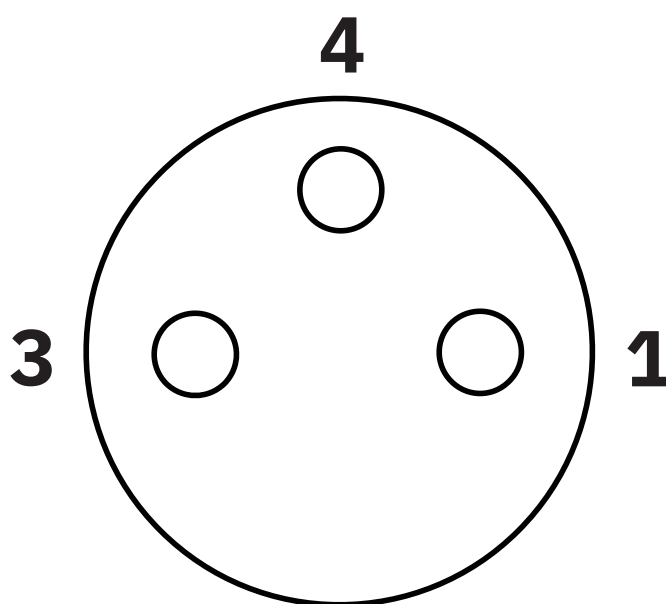


1500350

<https://www.phoenixcontact.com/us/products/1500350>

## Drawings

Schematic diagram



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

1500350  
<https://www.phoenixcontact.com/us/products/1500350>

Approvals

 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1500350>

|  <b>cUL Recognized</b><br>Approval ID: E221474-20070307 |                                |                                |                   |                               |
|------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|--------------------------------|-------------------|-------------------------------|
|                                                                                                                                          | Nominal voltage U <sub>N</sub> | Nominal current I <sub>N</sub> | Cross section AWG | Cross section mm <sup>2</sup> |
| keine                                                                                                                                    |                                |                                |                   |                               |
|                                                                                                                                          | 30 V                           | 4 A                            | -                 | -                             |

|  <b>UL Recognized</b><br>Approval ID: E221474-20070307 |                                |                                |                   |                               |
|-----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|--------------------------------|-------------------|-------------------------------|
|                                                                                                                                         | Nominal voltage U <sub>N</sub> | Nominal current I <sub>N</sub> | Cross section AWG | Cross section mm <sup>2</sup> |
| keine                                                                                                                                   |                                |                                |                   |                               |
|                                                                                                                                         | 30 V                           | 4 A                            | -                 | -                             |

# SACC-E-M 8FS-3CON-M8/0,5 - Device connector front mounting



1500350

<https://www.phoenixcontact.com/us/products/1500350>

## Classifications

### ECLASS

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

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC003570 |
|----------|----------|

### UNSPSC

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

# SACC-E-M 8FS-3CON-M8/0,5 - Device connector front mounting



1500350

<https://www.phoenixcontact.com/us/products/1500350>

## 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                                | d548a292-55df-43a2-85bb-1cf06af59fc3 |

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)