

# SACC-CI-M8FS-3P SMD T - Contact carrier



1412220  
<https://www.phoenixcontact.com/gb/products/1412220>

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Contact carrier, 3-position, Socket, straight, M8, A-coding, SMD reflow, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %)

## Your advantages

- Reduced mounting costs thanks to two-piece device connector
- Packaging available for automated pick and place assembly
- All common pin assignments and codings available
- Easy device integration thanks to mechanical port screw connections with threaded attachment, press-in contour or direct integration in the front plate
- Optional shield connection and seal for the device when not plugged in

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1412220       |
| Packing unit                         | 60 pc         |
| Minimum order quantity               | 60 pc         |
| Sales key                            | ABQHCS        |
| Product key                          | ABQHCS        |
| GTIN                                 | 4046356988308 |
| Weight per piece (including packing) | 2.733 g       |
| Weight per piece (excluding packing) | 1.9 g         |
| Customs tariff number                | 85366990      |
| Country of origin                    | DE            |

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## Technical data

### Product properties

|                         |                |
|-------------------------|----------------|
| Product type            | Contact insert |
| Application             | Signal         |
| Number of positions     | 3              |
| No. of control contacts | 3              |
| Seal present            | no             |
| Shielded                | no             |
| Coding                  | A              |
| Thread type             | M8             |

### Insulation characteristics

|                      |     |
|----------------------|-----|
| Overvoltage category | III |
|----------------------|-----|

### Electrical properties

|                       |                            |
|-----------------------|----------------------------|
| 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

|                   |            |
|-------------------|------------|
| Connection method | SMD reflow |
|-------------------|------------|

### Material specifications

|                                        |    |
|----------------------------------------|----|
| Flammability rating according to UL 94 | V0 |
|----------------------------------------|----|

### Connector

#### Connection 1

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

### Mechanical properties

#### Mechanical data

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

### Environmental and real-life conditions

#### Ambient conditions

|                      |                        |
|----------------------|------------------------|
| Degree of protection | IP67 (When plugged in) |
|----------------------|------------------------|

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## Packaging specifications

|                   |      |
|-------------------|------|
| Type of packaging | Tray |
|-------------------|------|

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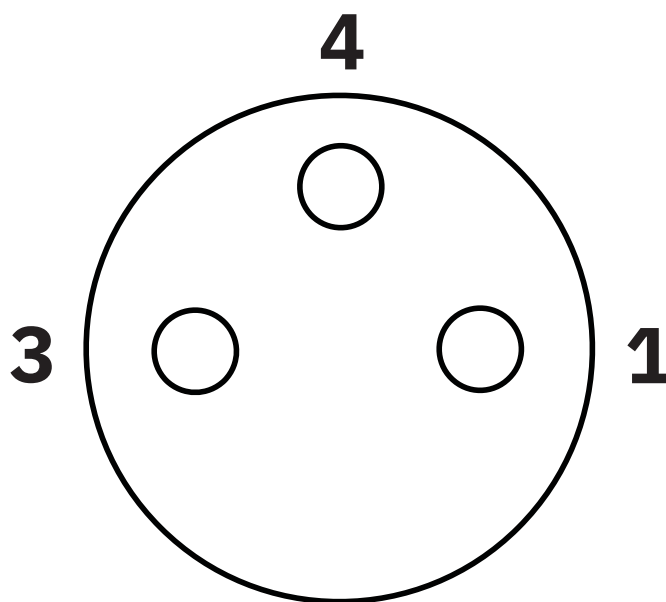
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## Drawings

Schematic diagram



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

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/gb/products/1412220>

|                                                                                                                                                        |                       |                       |                   |                             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------------|-----------------------------|
| <div> <b>cULus Recognized</b><br/>Approval ID: E221474-20160506</div> |                       |                       |                   |                             |
|                                                                                                                                                        | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
| keine                                                                                                                                                  |                       |                       |                   |                             |
|                                                                                                                                                        | 60 V                  | 4 A                   | -                 | -                           |

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27440223 |
| ECLASS-15.0 | 27440223 |

### ETIM

|           |          |
|-----------|----------|
| ETIM 10.0 | EC003557 |
|-----------|----------|

### UNSPSC

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

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## Environmental product compliance

### EU RoHS

|                                         |                    |
|-----------------------------------------|--------------------|
| Fulfills EU RoHS substance requirements | Yes, No exemptions |
|-----------------------------------------|--------------------|

### China RoHS

|                                        |                                          |
|----------------------------------------|------------------------------------------|
| Environment friendly use period (EFUP) | EFUP-E                                   |
|                                        | No hazardous substances above the limits |

### EU REACH SVHC

|                                     |                            |
|-------------------------------------|----------------------------|
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |
|-------------------------------------|----------------------------|

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