

# SACC-CI-M12FSB-5CON-L90 SCO - Contact carrier



1436657

<https://www.phoenixcontact.com/us/products/1436657>

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Sensor/actuator flush-type connector, female connector, 5-pos., B-coded, with angled solder connection, contact insert only

The figure shows a shielded version

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1436657       |
| Packing unit                         | 20 pc         |
| Minimum order quantity               | 20 pc         |
| Product key                          | ABQAHS        |
| GTIN                                 | 4046356438728 |
| Weight per piece (including packing) | 5.305 g       |
| Weight per piece (excluding packing) | 3.602 g       |
| Country of origin                    | DE            |

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## Technical data

### Product properties

|                         |                |
|-------------------------|----------------|
| Product type            | Contact insert |
| Application             | Signal         |
| Number of positions     | 5              |
| No. of control contacts | 5              |
| Shielded                | no             |
| Coding                  | B              |
| Thread type             | M12            |

### Insulation characteristics

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

### Electrical properties

|                       |                            |
|-----------------------|----------------------------|
| Contact resistance    | $\leq 3 \text{ m}\Omega$   |
| Insulation resistance | $\geq 100 \text{ M}\Omega$ |
| Nominal voltage $U_N$ | 60 V                       |
| Nominal current $I_N$ | 4 A                        |

### Connection data

|                   |                |
|-------------------|----------------|
| Connection method | Wave soldering |
|-------------------|----------------|

### Signaling

|                        |    |
|------------------------|----|
| Status display         | no |
| Status display present | no |

### Material specifications

|  |        |
|--|--------|
| Material Contact carrier               | PA 6.6 |
| Material Contact                       | CuZn   |
| Material Contact surface               | Au     |
| Flammability rating according to UL 94 | V0     |

### Connector

#### Connection 1

|                   |        |
|-------------------|--------|
| Head design       | Socket |
| Head cable outlet | angled |
| Head thread type  | M12    |
| Coding            | B      |

### Environmental and real-life conditions

#### Ambient conditions

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|   |                          |
|---|--------------------------|
| Degree of protection  | IP67                     |
| Ambient temperature (operation) (male connector/female connector) | -25 °C ... 85 °C         |
| UL Type Rating  | Type 4 (indoor use only) |

## Packaging specifications

|                   |         |
|-------------------|---------|
| Type of packaging | Blister |
|-------------------|---------|

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## Drawings

Schematic diagram



Pin assignment M12 socket, 5-pos., B-coded, female side

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1436657>

|  <b>cUL Recognized</b><br>Approval ID: E118976-20100522 |                       |                       |                   |                             |
|--|-----------------------|-----------------------|-------------------|-----------------------------|
|  | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
| keine  |                       |                       |                   |                             |
|  | 60 V                  | 4 A                   | 22                | -                           |

|  <b>UL Recognized</b><br>Approval ID: E118976-20100522 |                       |                       |                   |                             |
|---|-----------------------|-----------------------|-------------------|-----------------------------|
|   | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
| keine   |                       |                       |                   |                             |
|   | 60 V                  | 4 A                   | 22                | -                           |

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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  |
| 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                                | 2a97bb18-429d-417a-a686-1b2ebb079b36 |

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