

# SACC-CI-M8FSB-5P SMD T - Contact carrier



1412222

<https://www.phoenixcontact.com/us/products/1412222>

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Contact carrier, Universal, 5-position, Socket, straight, M8, B-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

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1412222       |
| Packing unit                         | 60 pc         |
| Minimum order quantity               | 60 pc         |
| Sales key                            | AB22          |
| Product key                          | ABQHCS        |
| GTIN                                 | 4046356988315 |
| Weight per piece (including packing) | 2.94 g        |
| Weight per piece (excluding packing) | 2.16 g        |
| Customs tariff number                | 85366990      |
| Country of origin                    | DE            |

## Technical data

### Notes

|                    |  |
|--------------------|--|
| Notes on operation | The electrical and mechanical data specified assume that the connector pair is correctly locked and mounted. If the connector is unlocked and if there is a danger of contamination, the connector must be sealed using a protective cap > IP54. Influences arising from litz wires, cables or PCB assembly must also be taken into consideration. |
|--------------------|--|

### Product properties

|                         |                |
|-------------------------|----------------|
| Product type            | Contact insert |
| Application             | Data, signals  |
| Number of positions     | 5              |
| No. of control contacts | 5              |
| Seal present            | no             |
| Shielded                | no             |
| Coding                  | B              |
| Thread type             | M8             |

### Insulation characteristics

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

### Electrical properties

|                                |          |
|--------------------------------|----------|
| Contact resistance             | ≤ 3 mΩ   |
| Insulation resistance          | ≤ 100 MΩ |
| Nominal voltage U <sub>N</sub> | 30 V AC  |
|                                | 30 V DC  |
| Nominal current I <sub>N</sub> | 3 A      |

### Connection data

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

### Interfaces

|                      |            |
|----------------------|------------|
| Bus system           | DeviceNet™ |
| Signal type/category | Universal  |

### Material specifications

|  |      |
|--|------|
| Material Insulating body               | PA   |
| Material Contact                       | CuZn |
| Material Contact surface               | Au   |
| Flammability rating according to UL 94 | V0   |

### Connector

#### Connection 1

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

## Cable/line

|                      |           |
|----------------------|-----------|
| Signal type/category | Universal |
|----------------------|-----------|

## Mechanical properties

### Mechanical data

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

## Environmental and real-life conditions

### Ambient conditions

|   |  |
|---|--|
| Degree of protection  | IP67 (correctly plugged in and locked)           |
| Ambient temperature (operation) (male connector/female connector) | -25 °C ... 105 °C                                |
|   | -55 °C ... 105 °C (without mechanical actuation) |

## Standards and regulations

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

## Packaging specifications

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

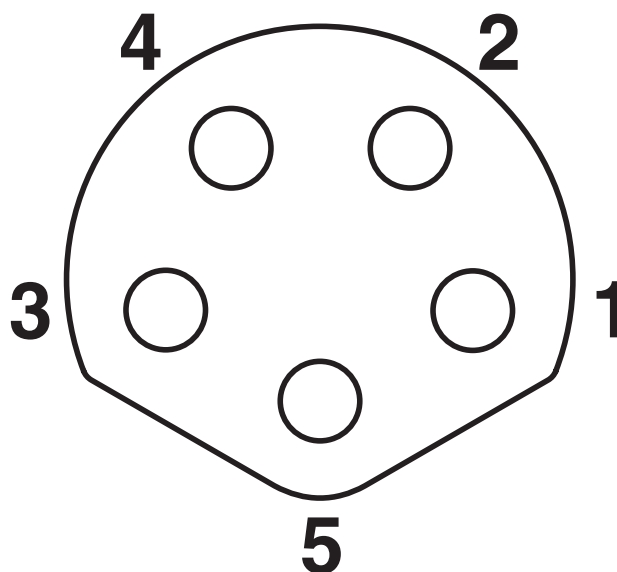
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## Drawings

Schematic diagram



Pin assignment of M8 socket, 5-pos., B-coded

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1412222>

|  <b>cULus Recognized</b><br>Approval ID: E221474-20160506 |                       |                       |                   |                             |
|--|-----------------------|-----------------------|-------------------|-----------------------------|
|  | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
| keine  |                       |                       |                   |                             |
|  | 30 V                  | 3 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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