

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



1412229

<https://www.phoenixcontact.com/us/products/1412229>

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.



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
- Optional shield connection and seal for the device when not plugged in

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1412229       |
| Packing unit                         | 60 pc         |
| Minimum order quantity               | 60 pc         |
| Sales key                            | AB22          |
| Product key                          | ABQHCS        |
| GTIN                                 | 4046356988223 |
| Weight per piece (including packing) | 3.023 g       |
| Weight per piece (excluding packing) | 2.211 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  |
| Sensor type             | Universal      |
| Number of positions     | 5              |
| No. of control contacts | 5              |
| Seal present            | yes            |
| Shielded                | no             |
| Coding                  | B              |
| Thread type             | M8             |

### Insulation characteristics

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

### Electrical properties

|                       |                            |
|-----------------------|----------------------------|
| Contact resistance    | $\leq 3 \text{ m}\Omega$   |
| Insulation resistance | $\leq 100 \text{ M}\Omega$ |
| Nominal voltage $U_N$ | 30 V AC                    |
|                       | 30 V DC                    |
| Nominal current $I_N$ | 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   |
| Material Seal                          | FKM  |
| Flammability rating according to UL 94 | V0   |

### Connector

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



1412229

<https://www.phoenixcontact.com/us/products/1412229>

## Connection 1

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

## Cable/line

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

## Environmental and real-life conditions

### Ambient conditions

|   |  |
|---|--|
| Degree of protection (when plugged in)                            | IP67 (correctly plugged in and locked)           |
| Degree of protection  | IP67 (correctly plugged in and locked)           |
| Ambient temperature (operation) (male connector/female connector) | -25 °C ... 105 °C                                |
|   | -40 °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 |
|-------------------|------|

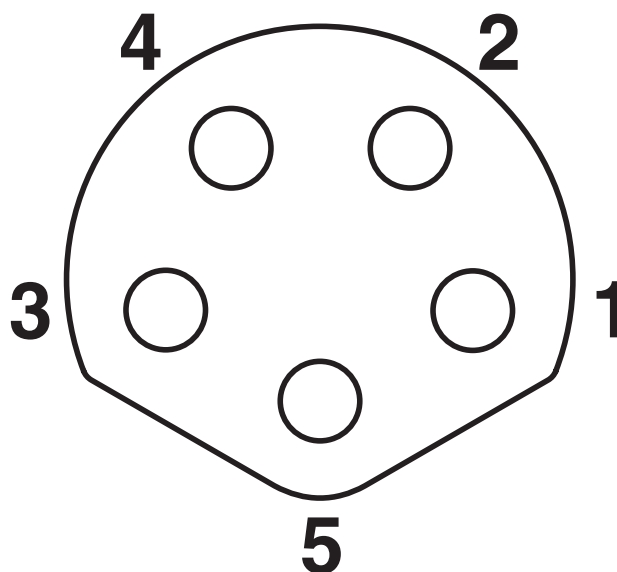
# SACC-CIP-M8FSB-5P SMD T - Contact carrier

1412229

<https://www.phoenixcontact.com/us/products/1412229>

## Drawings

Schematic diagram



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

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




1412229

<https://www.phoenixcontact.com/us/products/1412229>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1412229>

|  <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                   | -                 | -                           |

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



1412229

<https://www.phoenixcontact.com/us/products/1412229>

## Classifications

### ECLASS

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

### ETIM

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

### UNSPSC

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

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



1412229

<https://www.phoenixcontact.com/us/products/1412229>

## 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% |
|-------------------------------------|----------------------------|

Phoenix Contact 2026 © - 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)