

# SACC-CI-M8MS-3P SMD R32 - Contact carrier



1412248

<https://www.phoenixcontact.com/us/products/1412248>

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Contact carrier, 3-position, Pin, straight, M8, coding: A, PCB mounting, SMD reflow, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1308267

## 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                          | 1412248       |
| Packing unit                         | 100 pc        |
| Minimum order quantity               | 100 pc        |
| Sales key                            | AB22          |
| Product key                          | ABQHCH        |
| GTIN                                 | 4046356988896 |
| Weight per piece (including packing) | 5.95 g        |
| Weight per piece (excluding packing) | 5.95 g        |
| Customs tariff number                | 85366990      |
| Country of origin                    | DE            |

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## Technical data

### Notes

|         |  |
|---------|--|
| General | 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         | Signal         |
| Number of positions | 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 | $\leq 100 \text{ M}\Omega$ |
| Nominal voltage $U_N$ | 48 V AC<br>60 V DC         |
| Nominal current $I_N$ | 4 A                        |

### Connection data

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

### Material specifications

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

### Connector

#### Connection 1

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

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## Mechanical properties

### Mechanical data

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

## Environmental and real-life conditions

### Ambient conditions

|  |  |
|--|--|
| Degree of protection (when plugged in) | IP67 (correctly plugged in and locked)           |
| Degree of protection                   | IP67, when plugged in                            |
| Ambient temperature (operation)        | -55 °C ... 105 °C (Plug / socket)                |
|  | -55 °C ... 105 °C (without mechanical actuation) |

## Standards and regulations

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

## Mounting

|               |              |
|---------------|--------------|
| Mounting type | PCB mounting |
|---------------|--------------|

## Packaging specifications

|                   |                   |
|-------------------|-------------------|
| Type of packaging | Belt              |
| Delivery state    | with assembly pad |

# SACC-CI-M8MS-3P SMD R32 - Contact carrier

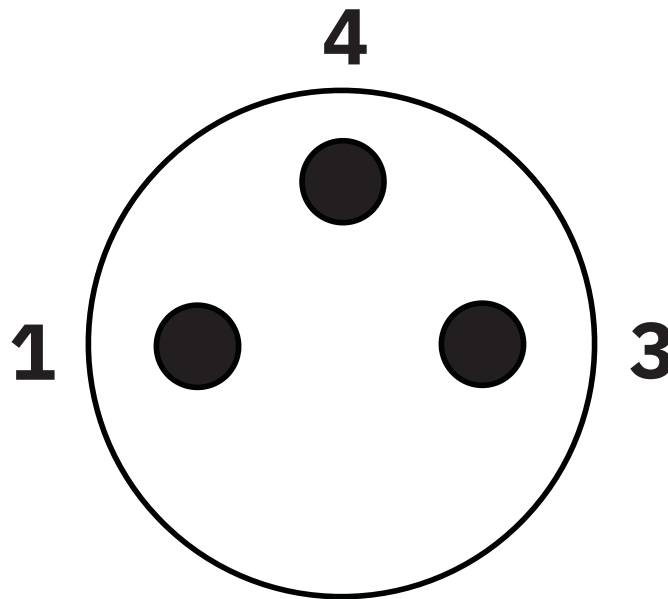
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## Drawings

Schematic diagram



Pin assignment M8 plug, 3-pos., view male side

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1412248>

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

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-11.0 | 27440102 |
| ECLASS-12.0 | 27440116 |
| ECLASS-13.0 | 27440116 |

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC002635 |
|----------|----------|

### UNSPSC

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

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## Environmental product compliance

|            |  |
|------------|--|
| REACH SVHC | Lead 7439-92-1   |
| China RoHS | Environmentally Friendly Use Period = 50 years   |
|            | For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads" |

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## Accessories

### SACC-BP-M-M8/M12 SMD - Housing screw connection

1412505

<https://www.phoenixcontact.com/us/products/1412505>



Housing screw connection, Pin, Rear mounting, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239002

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### SACC-FP-M-M8/M10 SMD - Housing screw connection

1412502

<https://www.phoenixcontact.com/us/products/1412502>



Housing screw connection, Pin, M8, Front mounting, M10 x 0.75



# SACC-CI-M8MS-3P SMD R32 - Contact carrier

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## SACC-FP-M-M8/PRESS SMD - Housing screw connection

1412500

<https://www.phoenixcontact.com/us/products/1412500>



Housing screw connection, Pin, Front mounting, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239000

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Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)