

1412245

<https://www.phoenixcontact.com/us/products/1412245>

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Contact carrier, Universal, 5-position, Socket, straight, M8, coding: B, PCB mounting, SMD reflow, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1238985

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 | 1412245 |
| Packing unit | 100 pc |
| Minimum order quantity | 100 pc |
| Sales key | AB22 |
| Product key | ABQHCHN |
| GTIN | 4046356988865 |
| Weight per piece (including packing) | 111.11 g |
| Weight per piece (excluding packing) | 111.11 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/signal |
| Sensor type | Universal |
| Number of positions | 5 |
| Seal present | no |
| 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

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

Connector

Connection 1

SACC-CI-M8FSB-5P SMD R32 - Contact carrier



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| | |
|-------------------|----------|
| 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) IP67, when plugged in |
| Ambient temperature (operation) | -25 °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

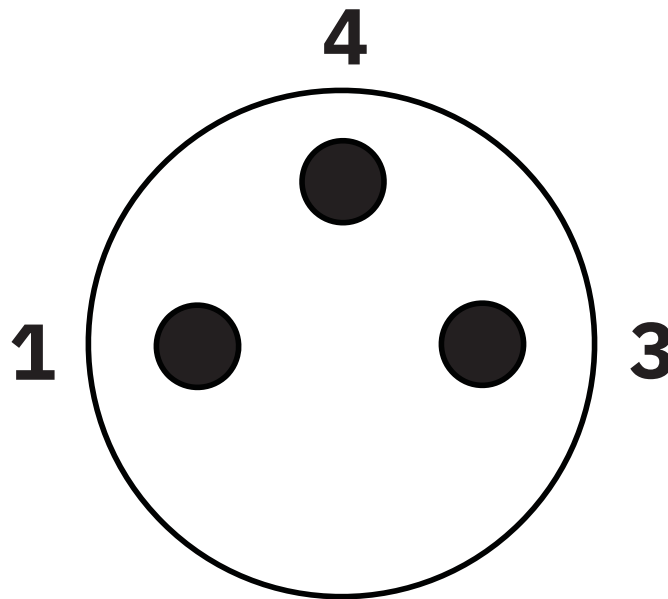
| | |
|---------------|--------------|
| Mounting type | PCB mounting |
|---------------|--------------|

Packaging specifications

| | |
|-------------------|------|
| Type of packaging | Belt |
|-------------------|------|

Drawings

Schematic diagram



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

SACC-CI-M8FSB-5P SMD R32 - Contact carrier




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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1412245>

| | | | | |
|---|--|-----------------------|-------------------|-----------------------------|
|  | cULus Recognized Approval ID: E221474-20160506 | | | |
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| | 30 V | 3 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 |
|-------------|----------|

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 | 590a0169-c2a9-40be-aeef-cdb0d518e284 |

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Accessories

SACC-BP-F-M8/M12 SMD - Housing screw connection

1412506

<https://www.phoenixcontact.com/us/products/1412506>



Housing screw connection, Socket, M12, Rear mounting, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239003

SACC-FP-F-M8/M10 SMD - Housing screw connection

1412504

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M8 female connector, front mounting SMD with M10 screw fastening

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SACC-FP-F-M8/PRESS SMD - Housing screw connection

1412501

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M8 socket, press-in mounting



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