

SACC-CI-M12FSB-5CON-L180 - Contact carrier



1551477

<https://www.phoenixcontact.com/us/products/1551477>

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Contact carrier, 5-position, Socket, straight, M12, coding: B, PCB mounting, Wave soldering, 0.34 mm², Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239984

Your advantages

- Reduced mounting costs thanks to two-piece device connector
- Easy device integration thanks to mechanical port screw connections with threaded attachment, press-in contour or direct integration in the front plate
- Additional gasket for the device when not plugged in

Commercial data

| | |
|--------------------------------------|---------------------|
| Item number | 1551477 |
| Packing unit | 20 pc |
| Minimum order quantity | 20 pc |
| Sales key | AB23 |
| Product key | ABQAGS |
| Catalog page | Page 254 (C-2-2013) |
| GTIN | 4046356153652 |
| Weight per piece (including packing) | 4.998 g |
| Weight per piece (excluding packing) | 4.64 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 |
| Number of positions | 5 |
| Application | Signal |
| Seal present | yes |
| Shielded | no |
| Coding | B |
| Thread type | M12 |

Insulation characteristics

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

Electrical properties

| | |
|---------------------------|----------------------------|
| Rated surge voltage | 1.5 kV |
| 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 |
| Max. conductor resistance | 57.6 m Ω /m |

Connection data

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

Material specifications

| | |
|--|------------|
| Flammability rating according to UL 94 | V0 |
| Seal material | FKM / EPDM |
| Contact material | CuZn |
| Contact surface material | Au |
| Contact carrier material | PA 6.6 |

Connector

Connection 1

| | |
|-------------------|----------|
| Head design | Socket |
| Head cable outlet | straight |

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| | |
|------------------|-----|
| Head thread type | M12 |
| Coding | B |

Cable/line

| | |
|---------------------------------|---|
| Wire diameter incl. insulation | 1.2 mm ±0.07 mm |
| Cable cross section | 0.34 mm ² |
| Conductor structure signal line | 7x 0.25 mm |
| Thickness, insulation | 0.21 mm |
| Nominal voltage, cable | 300 V |
| Test voltage, cable | 2000 V AC |
| Cable resistance | ≤ 57.6 mΩ/m |
| Cable insulation resistance | ≥ 20 MΩ*km |
| Ambient temperature (operation) | -40 °C ... 85 °C (cable, fixed installation) -25 °C ... 85 °C (Cable, flexible installation) |

Mechanical properties

Mechanical data

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

Environmental and real-life conditions

Ambient conditions

| | |
|---------------------------------|--|
| Degree of protection | IP67 IP67 |
| Ambient temperature (operation) | -25 °C ... 85 °C (Plug / socket) -40 °C ... 85 °C (without mechanical actuation) -25 °C ... 85 °C (Cable, flexible installation) -40 °C ... 85 °C (cable, fixed installation) |

Standards and regulations

M12

| | |
|--------------------------|-----------------|
| Standard designation | M12 connector |
| Standards/specifications | IEC 61076-2-101 |

Mounting

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

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-11.0 | 27440223 |
| ECLASS-12.0 | 27440116 |
| ECLASS-13.0 | 27460201 |

ETIM

| | |
|----------|----------|
| ETIM 9.0 | EC003557 |
|----------|----------|

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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