

SACC-DSIV-M12MSB-5CON-L180 SH ST X - Device connector rear mounting



1396618

<https://www.phoenixcontact.com/us/products/1396618>

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Device connector rear mounting, 5-position, Pin, straight, M12, B-coding, Wave soldering



Your advantages

- Standard pin assignments and codings for signal and data transmission with a uniform design-in design
- Easy PCB mounting: two-piece connectors for wave soldering
- Secure assembly: locking clips for fixing onto the PCB
- Sustainable and future-proof: lead-free in accordance with RoHS II without Exemption 6c
- Worldwide availability through global distribution channels

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1396618 |
| Packing unit | 10 pc |
| Minimum order quantity | 10 pc |
| Sales key | AB23 |
| Product key | ABQEGA |
| GTIN | 4063151780555 |
| Weight per piece (including packing) | 12.29 g |
| Weight per piece (excluding packing) | 12.14 g |
| Customs tariff number | 85366990 |
| Country of origin | CN |

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Technical data

Mounting

| | |
|---------------|---|
| Mounting type | Rear mounting (M12 x 1, with locking nut) |
|---------------|---|

Product properties

| | |
|---------------------|-----------------------------------|
| Product type | Circular connectors (device side) |
| Number of positions | 5 |
| Shielded | yes |
| Coding | B |
| Thread type | M12 |

Insulation characteristics

| | |
|---------------------|----|
| Ovvoltage category | II |
| Degree of pollution | 3 |

Material specifications

| | |
|--|--------------|
| Material Housing | Zinc alloy |
| Material Insulating body | PA 10T |
| Material Contact | Copper alloy |
| Material Contact surface | Ni/Au |
| Material Seal | FKM |
| Flammability rating according to UL 94 | V-0 |

Electrical properties

| | |
|-----------------------|----------------------------|
| Rated surge voltage | 1.5 kV |
| Insulation resistance | $\geq 100 \text{ M}\Omega$ |
| Nominal voltage U_N | 60 V |
| Nominal current I_N | 4 A |

Connection data

| | |
|-------------------------|----------------|
| Conductor connection | |
| Connection method | Wave soldering |
| Contact connection type | Pin |

Mechanical properties

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

Connector

| | |
|--------------|-----|
| Connection 1 | |
| Head design | Pin |

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| | |
|-------------------|----------|
| Head cable outlet | straight |
| Head thread type | M12 |
| Coding | B |

Environmental and real-life conditions

Ambient conditions

| | |
|---------------------------------|--------------------------|
| Degree of protection | IP67 |
| Ambient temperature (operation) | -25 °C ... 85 °C |
| UL Type Rating | Type 4 (indoor use only) |

Standards and regulations

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

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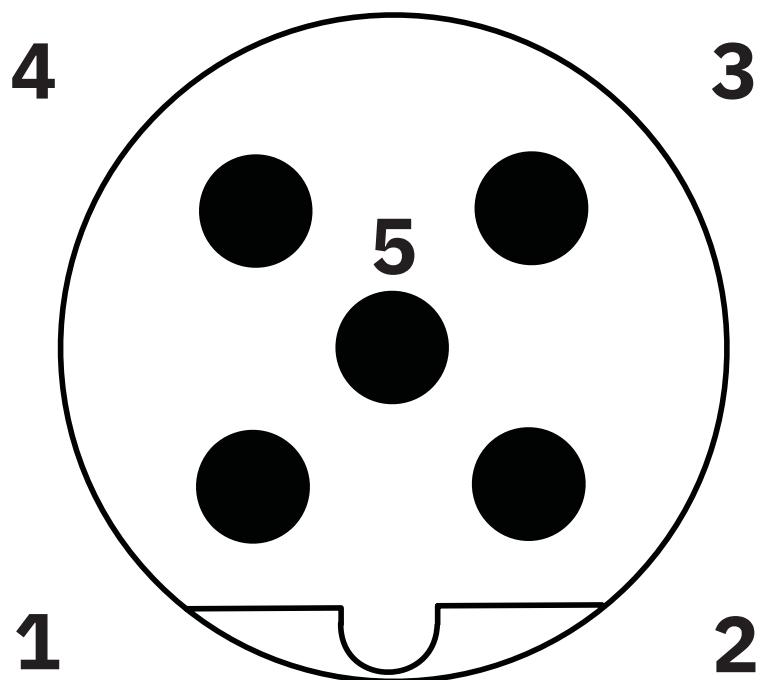


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Drawings

Schematic diagram



Pin assignment M12 male connector, 5-pos., B-coded, male side

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Approvals

ⓘ To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1396618>

| cULus Recognized | | Approval ID: E529600-20230307 | | | |
|------------------|--|-------------------------------|-----------------------|-------------------|----------------------|
| | | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| keine | | 60 V | 4 A | 22 | - |
| | | | | | |

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 27440110 |
| ECLASS-15.0 | 27440110 |

ETIM

| | |
|----------|----------|
| ETIM 9.0 | EC003568 |
|----------|----------|

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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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