

# SAC-M12T/2XM12 PB

Order No.: 1440672



<http://catalog.phoenixcontact.net/phoenix/treeViewClick.do?UID=1440672>

Bus system T-plug, 5-pos., PROFIBUS, coding rotated 90°, M12 B-coded male plug to M12 B-coded male plug and M12 B-coded female plug, shielded

## Commercial data

|                        |                 |
|------------------------|-----------------|
| EAN                    | 4 046356 503242 |
| sales group            | D116            |
| Pack                   | 1 Pcs.          |
| Customs tariff         | 85366990        |
| Gross weight in pieces | 0.0389 KG       |
| Net weight per piece   | 0.0389 KG       |

## Product notes

WEEE/RoHS-compliant since:  
04/20/2009



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## Technical data

### Ambient conditions

|                                 |                                  |
|---------------------------------|----------------------------------|
| Ambient temperature (operation) | -25 °C ... 80 °C (Plug / socket) |
| Degree of protection            | IP65                             |
|                                 | IP67                             |

#### General

|                             |                 |
|-----------------------------|-----------------|
| Rated current at 40°C       | 4 A             |
| Rated voltage               | 30 V AC         |
| Number of positions         | 4               |
| Contact resistance          | ≤ 5 mΩ          |
| Insulation resistance       | ≥ 1 GΩ          |
| Coding                      | B - inverse     |
| Standards/regulations       | IEC 61076-2-101 |
| Signal type/category        | PROFIBUS        |
| Status display              | No              |
| Surge voltage category      | II              |
| Pollution degree            | 3               |
| Test voltage                | 1 kV            |
| Insertion/withdrawal cycles | ≥ 100           |
| Torque                      | 0.4 Nm          |

#### Material

|                                         |                     |
|-----------------------------------------|---------------------|
| Inflammability class according to UL 94 | V0                  |
| Contact material                        | CuSn                |
| Contact surface material                | Ni/Au               |
| Contact carrier material                | PUR                 |
| Material of grip body                   | PUR                 |
| Material, knurls                        | Nickel-plated brass |
| Sealing material                        | Viton               |

#### Certificates / Approvals

Certification

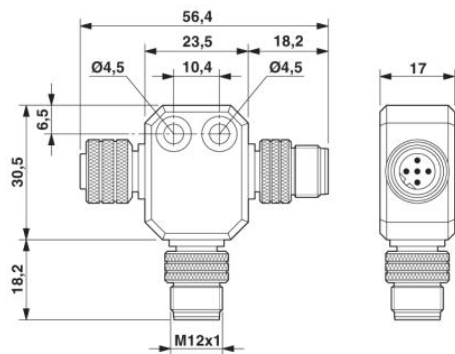
Certifications applied for:

Certification Ex:

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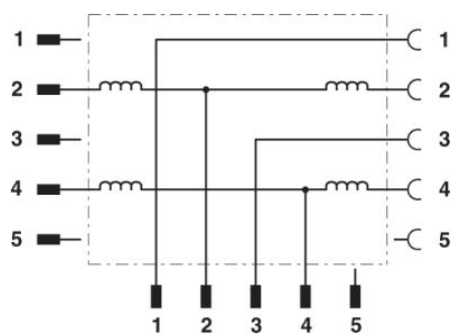
## Drawings

### Dimensioned drawing



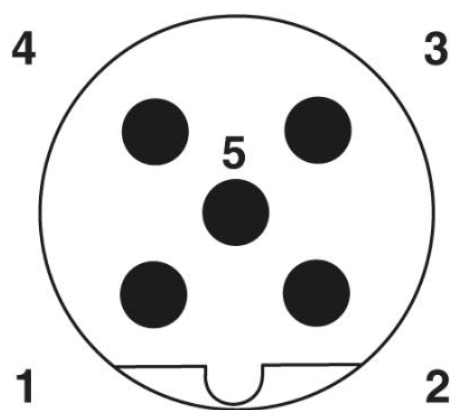
M12 T distributor

### Circuit diagram

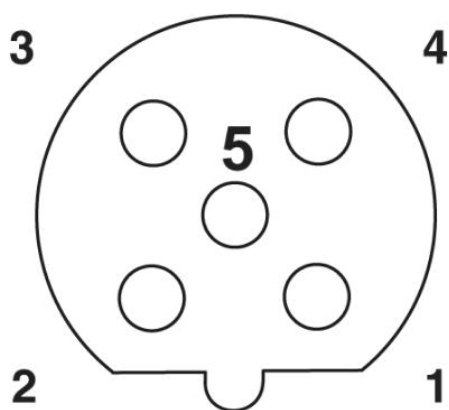


Contact assignment of the M12 plug and the M12 socket

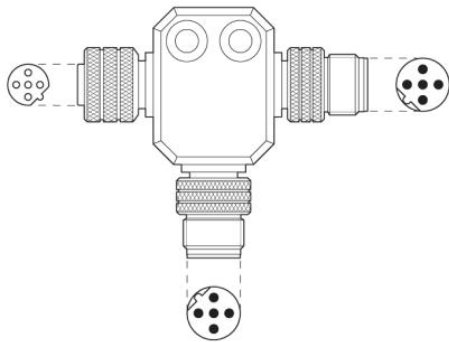
### Schematic diagram



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



Pin assignment M12 socket, 5-pos., B-coded, female side



Layout of connector pin assignments

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