

# SAC-5P-M12MSB CAN TR - Termination resistor



1401999

<https://www.phoenixcontact.com/us/products/1401999>

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Terminating resistor CANopen<sup>®</sup>/DeviceNet<sup>™</sup> M12



## Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 1401999                        |
| Packing unit                         | 1 pc                           |
| Minimum order quantity               | 100 pc                         |
| Note                                 | Made to order (non-returnable) |
| Sales key                            | BF10                           |
| Product key                          | BF1GVX                         |
| GTIN                                 | 4046356579025                  |
| Weight per piece (including packing) | 11.315 g                       |
| Weight per piece (excluding packing) | 11.315 g                       |
| Customs tariff number                | 85332100                       |
| Country of origin                    | DE                             |

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## Technical data

### Product properties

|                     |                   |
|---------------------|-------------------|
| Product type        | Terminal resistor |
| Number of positions | 5                 |
| Coding              | B                 |

### Insulation characteristics

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

### Electrical properties

|                       |                     |
|-----------------------|---------------------|
| Nominal voltage $U_N$ | 48 V AC             |
|                       | 60 V DC             |
|                       | 5 V <sub>rms</sub>  |
| Nominal current $I_N$ | 4 A                 |
|                       | 45 mA ( $I_{eff}$ ) |

### General

|                      |                        |
|----------------------|------------------------|
| Termination resistor | 120 $\Omega$ $\pm$ 1 % |
| Power consumption    | $\leq$ 0.25 W          |

### Signaling

|                        |    |
|------------------------|----|
| Status display         | No |
| Status display present | No |

### Material specifications

|  |   |
|--|---|
| Flammability rating according to UL 94 | HB  |
| Material of grip body                  | TPU, hardly inflammable, self-extinguishing |
| Contact material                       | CuSn  |
| Contact surface material               | Ni/Au                                       |
| Contact carrier material               | TPU GF                                      |
| Material for screw connection          | Zinc die-cast, nickel-plated                |

### Connector

#### Connection 1

|                     |                   |
|---------------------|-------------------|
| Type                | Plug straight M12 |
| Number of positions | 5                 |
| Coding type         | B                 |
| Number of positions | 5                 |

### Mechanical properties

#### Mechanical data

|                             |            |
|-----------------------------|------------|
| Insertion/withdrawal cycles | $\geq$ 100 |
|-----------------------------|------------|

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## Environmental and real-life conditions

### Ambient conditions

|                                 |                         |
|---------------------------------|-------------------------|
| Degree of protection            | IP65                    |
|                                 | IP67                    |
|                                 | IP68                    |
| Ambient temperature (operation) | -25 °C ... 90 °C (Plug) |

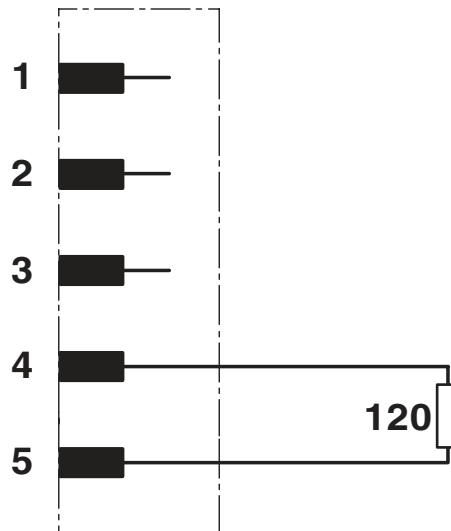
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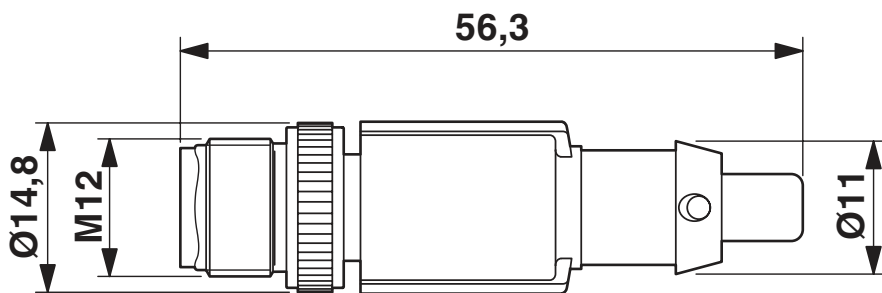
<https://www.phoenixcontact.com/us/products/1401999>

## Drawings

Circuit diagram



Dimensional drawing



Plug, M12 x 1, straight, shielded

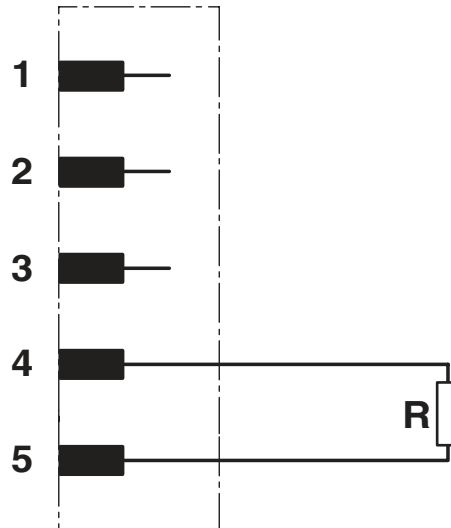
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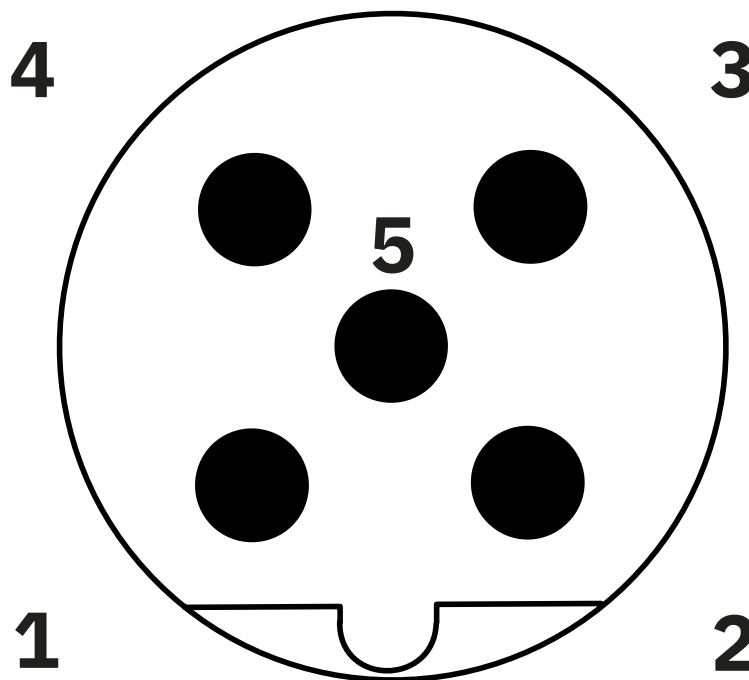
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Circuit diagram



Schematic diagram



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

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-11.0 | 19070403 |
| ECLASS-12.0 | 19070403 |
| ECLASS-13.0 | 19070403 |

### ETIM

|          |          |
|----------|----------|
| ETIM 8.0 | EC000448 |
|----------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 32121600 |
|-------------|----------|

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## Environmental product compliance

|            |   |
|------------|---|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
|            | No hazardous substances above threshold values          |

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