

# SAC-5P-M12FS PB TR - Termination resistor



1403911

<https://www.phoenixcontact.com/us/products/1403911>

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PROFIBUS M12 termination resistor, female connector version

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1403911       |
| Packing unit                         | 5 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | BF10          |
| Product key                          | AF1GVX        |
| GTIN                                 | 4046356694704 |
| Weight per piece (including packing) | 12.36 g       |
| Weight per piece (excluding packing) | 12.36 g       |
| Customs tariff number                | 85332100      |
| Country of origin                    | DE            |

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## Technical data

### Product properties

|                     |                   |
|---------------------|-------------------|
| Product type        | Terminal resistor |
| Number of positions | 4                 |
| Coding              | B                 |

### Insulation characteristics

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

### Electrical properties

|                       |                            |
|-----------------------|----------------------------|
| Insulation resistance | $\geq 100 \text{ M}\Omega$ |
| Nominal voltage $U_N$ | 48 V AC                    |
|                       | 60 V DC                    |
|                       | $2 \text{ V}_{\text{rms}}$ |
| Nominal current $I_N$ | 4 A                        |

### General

|                      |                       |
|----------------------|-----------------------|
| Termination resistor | $120 \Omega \pm 1 \%$ |
|----------------------|-----------------------|

### Signaling

|                        |    |
|------------------------|----|
| Status display         | no |
| Status display present | no |

### Material specifications

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

### Connector

#### Connection 1

|                     |                     |
|---------------------|---------------------|
| Type                | Socket straight M12 |
| Number of positions | 4                   |
| Coding type         | B                   |

### 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                    |
| Ambient temperature (operation) (male connector/female connector) | -25 °C ... 90 °C (Plug) |

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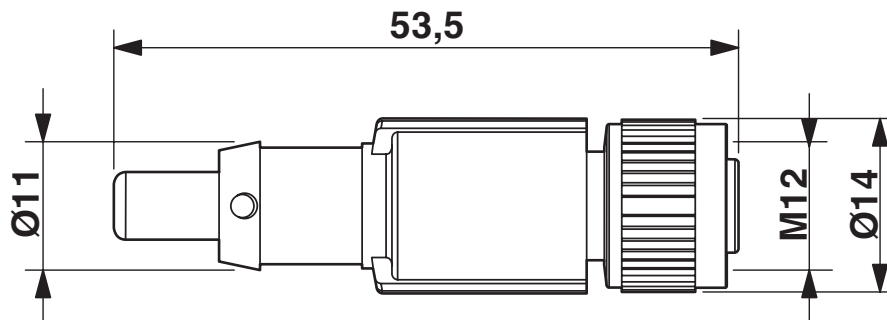


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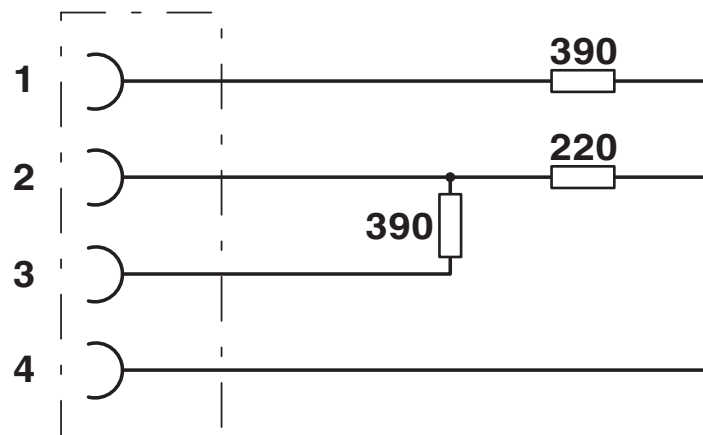
## Drawings

Dimensional drawing



M12 x 1 socket, straight

Circuit diagram



M12 termination resistor

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 19070403 |
| ECLASS-15.0 | 19070403 |

### ETIM

|           |          |
|-----------|----------|
| ETIM 10.0 | EC000448 |
|-----------|----------|

### UNSPSC

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

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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% |
|-------------------------------------|----------------------------|

### EF3.1 Climate Change

|         |               |
|---------|---------------|
| CO2e kg | 0.539 kg CO2e |
|---------|---------------|

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