

# SAC-5P-M12MS CAN 150 TR - Termination resistor



1536162

<https://www.phoenixcontact.com/gb/products/1536162>

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Terminating resistor CANopen®/DeviceNet™ M12

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1536162       |
| Packing unit                         | 5 pc          |
| Minimum order quantity               | 5 pc          |
| Sales key                            | AF1GVX        |
| Product key                          | AF1GVX        |
| GTIN                                 | 4046356027540 |
| Weight per piece (including packing) | 11.91 g       |
| Weight per piece (excluding packing) | 8.11 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              | A                 |

### 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                |

### General

|                      |                                |
|----------------------|--------------------------------|
| Termination resistor | 150 $\Omega$ (Contact 2 and 4) |
|----------------------|--------------------------------|

### 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         | A                 |

### Mechanical properties

#### Mechanical data

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

### Environmental and real-life conditions

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## Ambient conditions

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

## Standards and regulations

### M12

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

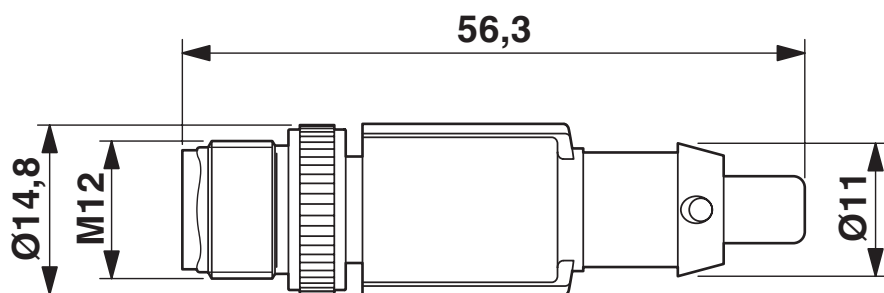
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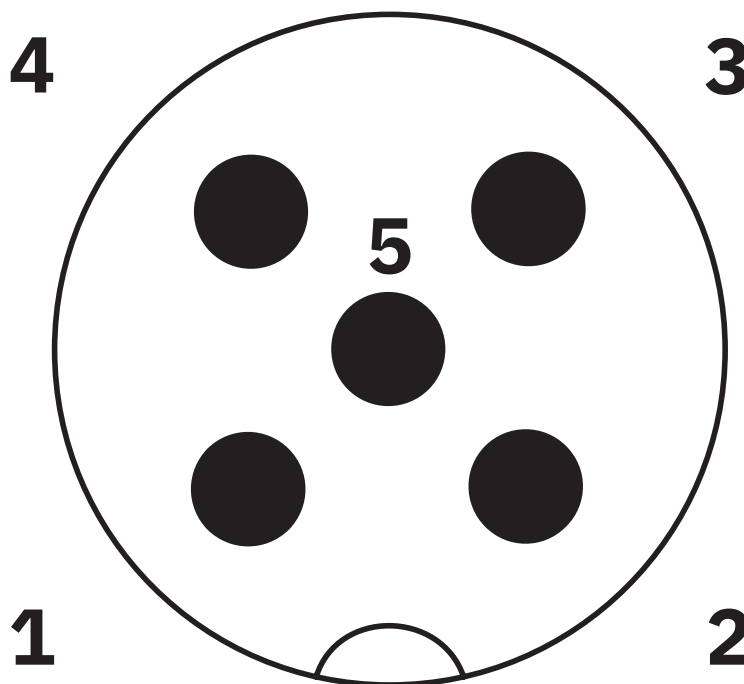
## Drawings

Dimensional drawing



Plug, M12 x 1, straight, shielded

Schematic diagram



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

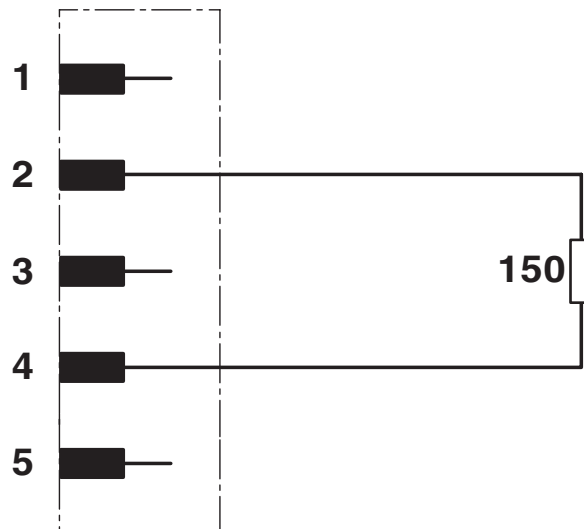
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Circuit diagram



Internal wiring of connections

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## Classifications

### ECLASS

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

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | 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% |
|-------------------------------------|----------------------------|

### EF3.0 Climate Change

|         |               |
|---------|---------------|
| CO2e kg | 0.272 kg CO2e |
|---------|---------------|

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