

# SAC-4P-M12MS FF TR VA - Termination resistor



1431403

<https://www.phoenixcontact.com/us/products/1431403>

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FOUNDATION Fieldbus™ termination resistor, 4-pos., M12 connector, high-grade steel knurl



## Commercial data

|                                      |                     |
|--------------------------------------|---------------------|
| Item number                          | 1431403             |
| Packing unit                         | 5 pc                |
| Minimum order quantity               | 5 pc                |
| Sales key                            | BF10                |
| Product key                          | BF1GVX              |
| Catalog page                         | Page 437 (C-2-2019) |
| GTIN                                 | 4046356431644       |
| Weight per piece (including packing) | 12.06 g             |
| Weight per piece (excluding packing) | 12.06 g             |
| Customs tariff number                | 85332100            |
| Country of origin                    | PL                  |

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## Technical data

### Product properties

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

### Insulation characteristics

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

### Electrical properties

|                                |          |
|--------------------------------|----------|
| Insulation resistance          | ≥ 100 MΩ |
| Nominal voltage U <sub>N</sub> | 24 V AC  |
|                                | 24 V DC  |

### General

|                      |  |
|----------------------|--|
| Termination resistor | 100 Ω (Contact 1 and 2, with 1 μF capacitor) |
|----------------------|--|

### 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          | Stainless steel                             |

### Connector

#### Connection 1

|                     |                   |
|---------------------|-------------------|
| Type                | Plug straight M12 |
| Number of positions | 4                 |

### Mechanical properties

#### Mechanical data

|                             |       |
|-----------------------------|-------|
| Insertion/withdrawal cycles | ≥ 100 |
|-----------------------------|-------|

### Environmental and real-life conditions

#### Ambient conditions

|  |      |
|--|------|
|  | IP65 |
|--|------|

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|                                 |                                  |
|---------------------------------|----------------------------------|
| Degree of protection            | IP67                             |
|                                 | IP68                             |
|                                 | IP69K                            |
| Ambient temperature (operation) | -25 °C ... 90 °C (Plug / socket) |

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## Classifications

### ECLASS

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

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | 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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Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)