

# SAC-5P-M12MS PB TR - Termination resistor



1507803

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Terminating resistor PROFIBUS M12



## Commercial data

Item number	1507803
Packing unit	5 pc
Minimum order quantity	1 pc
Sales key	BF10
Product key	AF1GVX
GTIN	4017918900403
Weight per piece (including packing)	10.9 g
Weight per piece (excluding packing)	7.69 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
	5 V <sub>rms</sub>
Nominal current $I_N$	4 A
	$\leq 25 \text{ mA (I}_{\text{eff}})$

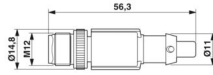
### General

Termination resistor	390 $\Omega \pm 1 \%$ (R1)
	220 $\Omega \pm 1 \%$ (R2)
	390 $\Omega \pm 1 \%$ (R3)
Power consumption	0.25 W (R1)
	0.25 W (R2)
	0.25 W (R3)

### Signaling

Status display	no
Status display present	no

### Dimensions

Dimensional drawing	
Width	15 mm
Height	14.8 mm
Length	56.3 mm

### Material specifications

Flammability rating according to UL 94	HB
Material of grip body	TPU, hardly inflammable, self-extinguishing

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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
Coding type	B

### Connection 2

Type	free cable end
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## Mechanical properties

### Mechanical data

Insertion/withdrawal cycles	≥ 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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## Drawings

Dimensional drawing



Plug, M12 x 1, straight, shielded

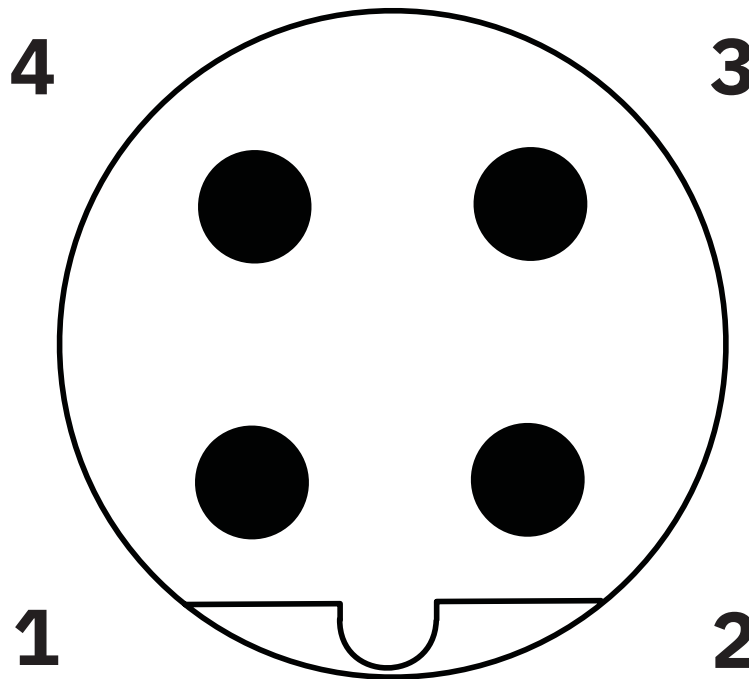
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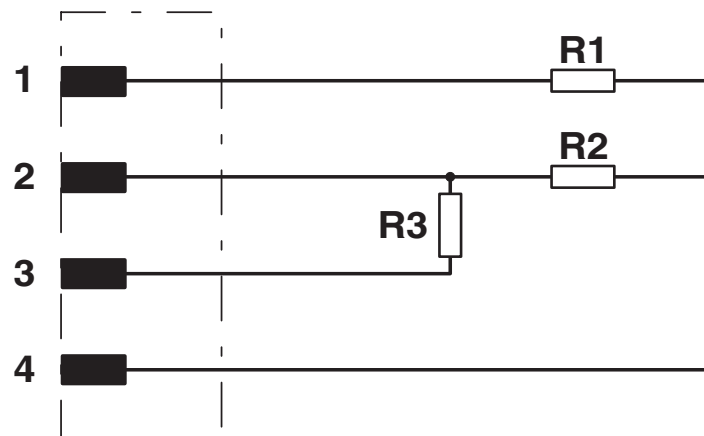


Schematic diagram



Pin assignment of M12 male connector, 4-pos., B-coded, view of pin side

Circuit diagram



Contact assignment of the termination resistor; for resistance values, see technical data

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## Classifications

### ECLASS

ECLASS-13.0	19070403
ECLASS-15.0	19070403

### ETIM

ETIM 10.0	EC000448
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### UNSPSC

UNSPSC 21.0	32121600
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### 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%
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### EF3.1 Climate Change

CO2e kg	0.284 kg CO2e
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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)