

1030553
<https://www.phoenixcontact.com/us/products/1030553>

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Terminating resistor PROFIBUS M12

Commercial data

Item number	1030553
Packing unit	1 pc
Minimum order quantity	50 pc
Note	Made to order (non-returnable)
Product key	AF1GVX
GTIN	4055626534404
Weight per piece (including packing)	11.96 g
Weight per piece (excluding packing)	11.96 g
Country of origin	PL

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	60 V
	5 V (Operating voltage)
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

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
Coding type	B

Connection 2

Type	free cable end
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SAC-5P-M12MS PB TR BR - Termination resistor



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Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 100
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Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation) (male connector/female connector)	-25 °C ... 90 °C (Plug)
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SAC-5P-M12MS PB TR BR - Termination resistor

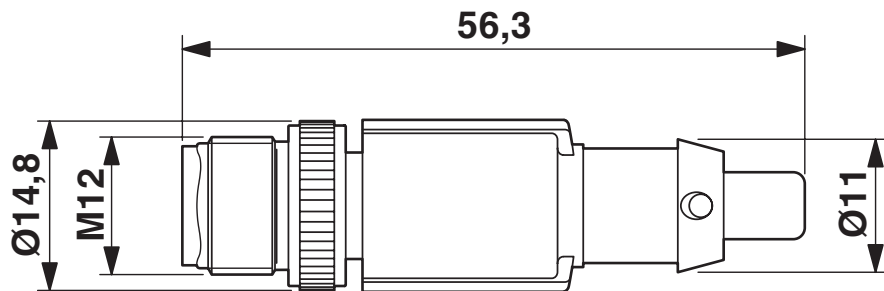


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Drawings

Dimensional drawing



Plug, M12 x 1, straight, shielded

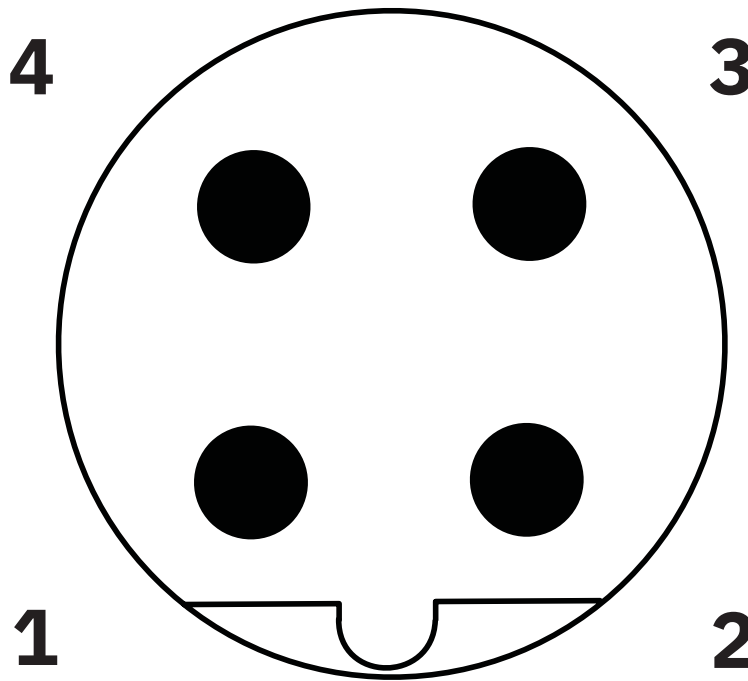
SAC-5P-M12MS PB TR BR - Termination resistor

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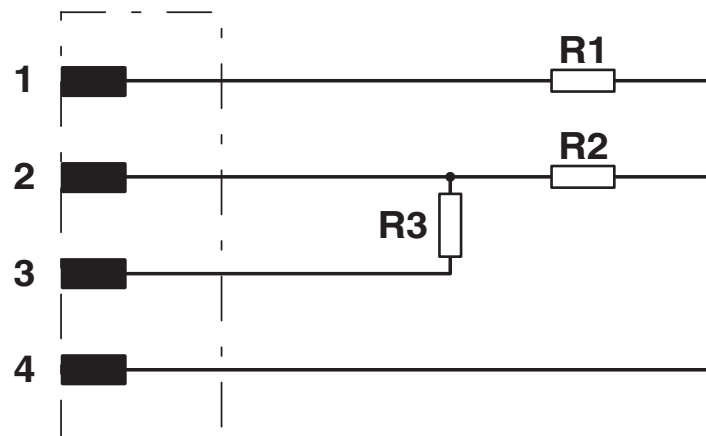


Schematic diagram



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 9.0	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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