

SAC-5P-M12MS CAN TR - Termination resistor



1507816

<https://www.phoenixcontact.com/us/products/1507816>

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Terminating resistor CANopen®/DeviceNet™ M12



Commercial data

Item number	1507816
Packing unit	5 pc
Minimum order quantity	1 pc
Sales key	BF10
Product key	AF1GVX
GTIN	4017918900410
Weight per piece (including packing)	11.31 g
Weight per piece (excluding packing)	8.09 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
Nominal current I_N	4 A
	45 mA (I_{eff})

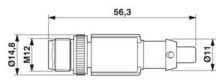
General

Termination resistor	120 Ω \pm 1 %
Power consumption	\leq 0.25 W

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
Seal material	NBR
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

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Connection 1

Type	Plug straight M12
Number of positions	5
Coding type	A

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)

Approvals

National Marine Electronics Association

Certificate	approved
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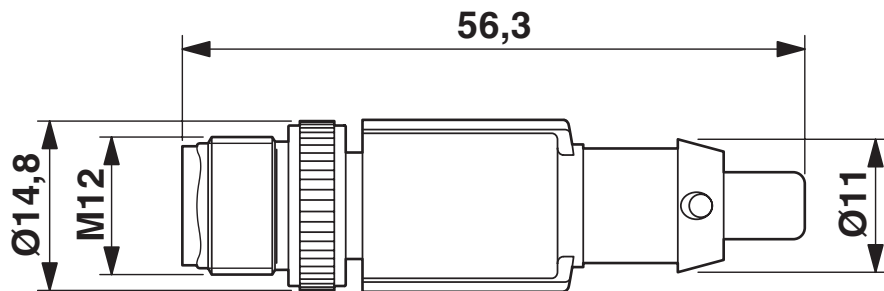
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Drawings

Dimensional drawing



Plug, M12 x 1, straight, shielded

Schematic diagram



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

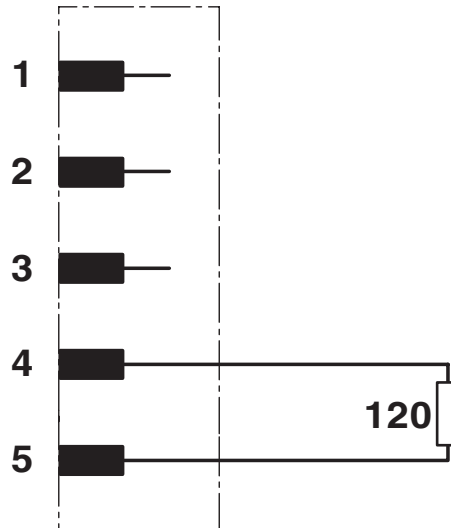
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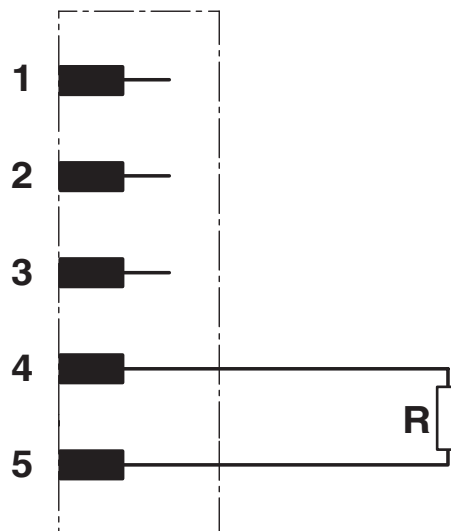
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Circuit diagram



Internal wiring of connections

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	0.3 kg CO2e
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