

SAC-5P-M12MSB/0,13-900/M12FSB

Order No.: 1578528




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Bus system cable, INTERBUS, 5-position, PUR halogen-free, Green RAL 6017, shielded, Plug straight M12, B-coded, on Socket straight M12, B-coded, Cable length: 0.13 m



Commercial data

EAN	 4 046356 465380
Note	Made-to-order
sales group	D118
Pack	1 Pcs.
Customs tariff	85444290
Gross weight in pieces	0.0455 KG
Net weight per piece	0.045 KG

Product notes

WEEE/RoHS-compliant since:
11/11/2008



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Technical data

Dimensions

Length of cable	0.13 m
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Ambient conditions

Degree of protection	IP65
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	IP67
	IP68

General

Rated current at 40°C	4 A
Rated voltage	250 V
Number of positions	5
Contact resistance	≤ 5 mΩ
Insulation resistance	≥ 100 MΩ
Coding	B - inverse
Signal type/category	INTERBUS
Status display	No
Surge voltage category	II
Pollution degree	3
Insertion/withdrawal cycles	≥ 100

Material

Inflammability class according to UL 94	V0
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	PA 66
Material of grip body	TPU, hardly inflammable, self-extinguishing
Material, knurls	Zinc die-cast, nickel-plated
Sealing material	NBR

Cable

Cable type	INTERBUS
Cable type (abbreviation)	900
Conductor cross section	0.22 mm ²
AWG signal line	24
Conductor structure signal line	32x 0.10 mm
Wire colors	Green-yellow, white-brown, gray-pink
Twisted pairs	2 cores to the pair
Overall twist	3 pairs to the core
Shielding	Braided copper wires
External sheath, color	Green RAL 6017
External cable diameter	8.00 mm

Smallest bending radius, fixed installation	60 mm
Smallest bending radius, movable installation	120 mm
Number of bending cycles	5000000
Bending radius	120 mm
Traversing path	10 m
Traversing rate	1.6 m/s
Acceleration	3.2 m/s ²
Outer sheath, material	PUR
Material conductor insulation	PE
Conductor material	Bare Cu litz wires
Insulation resistance	> 5 GΩ*km
Conductor resistance	≤ 159.8 mΩ/m
Working capacitance	60 nF (At 800 Hz)
Signal speed	0.66 c
Nominal voltage, cable	250 V
Test voltage Core/Core	1500 V
Test voltage Core/Shield	1000 V
Flame resistance	IEC 60332-1
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation) -30 °C ... 70 °C (cable, flexible installation)

Certificates / Approvals

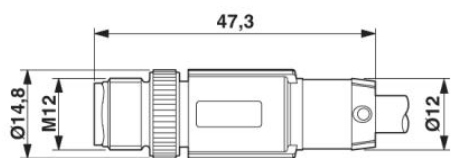
Certification

Certifications applied for:

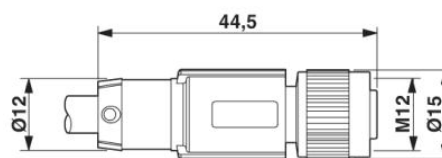
Certification Ex:

Drawings

Dimensioned drawing

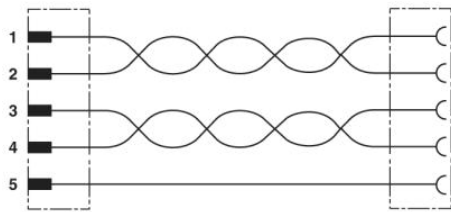


Plug, M12 x 1, straight, shielded



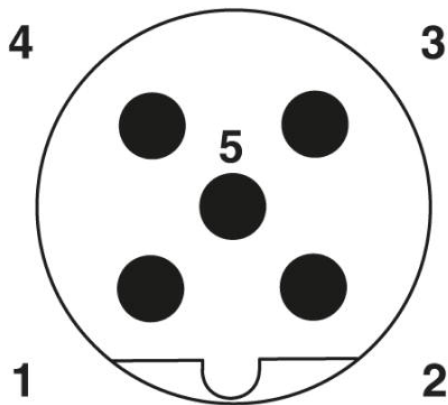
M12 x 1 socket, straight, shielded

Circuit diagram

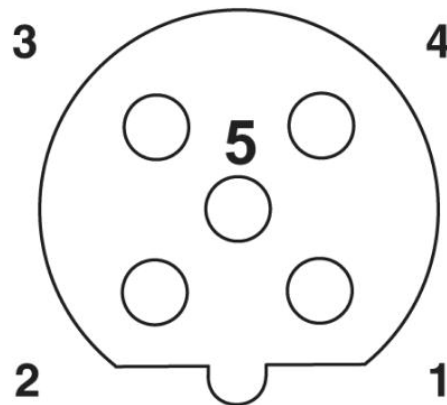


Contact assignment of the M12 connector and the M12 socket

Schematic diagram

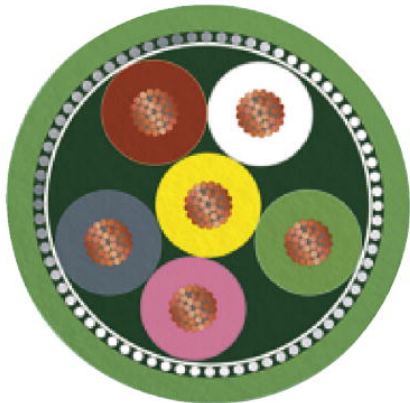


Pin assignment M12 male connector, 5-pos., B-coded, male side



Pin assignment M12 socket, 5-pos., B-coded, female side

INTERBUS [900]



Address

PHOENIX CONTACT Deutschland GmbH
Flachmarktstr. 8
32825 Blomberg, Germany
Phone +49 5235 3 12000
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>



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