

Bus system cable - SAC-2P-M12MSB/ 5,0-915 - 1525487


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Bus system cable, PROFIBUS, 2-position, PUR/PVC, blue, shielded, Plug straight M12, coding: B, on free cable end, cable length: 5 m



Key Commercial Data

Packing unit	1 pc
GTIN	 4 017918 950149
GTIN	4017918950149

Technical data

Cable type

Fixed cable length	5 m
Shielded	yes

Ambient conditions

Ambient temperature (operation)	-25 °C ... 90 °C (Plug / socket)
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External sheath

Outer sheath, material	PUR
External sheath, color	blue

General

Conductor length	5 m
Nominal voltage U_N	48 V AC
	60 V DC
Degree of protection	IP65/IP67
Contact surface material	Ni/Au
Contact material	CuSn
Contact resistance	$\leq 5 \text{ m}\Omega$
Insertion/withdrawal cycles	≥ 100

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Technical data

Standards and Regulations

Flammability rating according to UL 94	V0
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Cable

Cable type	PROFIBUS
Cable type (abbreviation)	915
Cable structure	1x2xAWG24/19
Conductor cross section	2x 0.25 mm ²
AWG signal line	24
Conductor structure signal line	19x 0.14 mm
Core diameter including insulation	2.56 mm
Wire colors	Red, green
Overall twist	2 wires, twisted
Shielding	Aluminum-coated foil, tinned copper braided shield
Optical shield covering	70 %
External sheath, color	blue
Outer sheath thickness	approx. 0.8 mm
External cable diameter D	8 mm ±0.4 mm
Minimum bending radius, flexible installation	5 x D
Number of bending cycles	3000000
Bending radius	60 mm
Acceleration	4 m/s ²
Cable weight	74 kg/km
Tensile strength GRP	≤ 100 N
Outer sheath, material	PUR
Material, inner sheath	PVC
Material conductor insulation	Foamed PE
Conductor material	Bare Cu litz wires
Insulation resistance	≥ 16 GΩ*km
Working capacitance	28 nF (at 1 kHz)
Nominal voltage, cable	≤ 100 V
Test voltage Core/Core	3600 V DC
Flame resistance	according to IEC 60332-1
Resistance to oil	Resistant to mineral oils and grease
Ambient temperature (operation)	-40 °C ... 80 °C (cable, flexible installation)

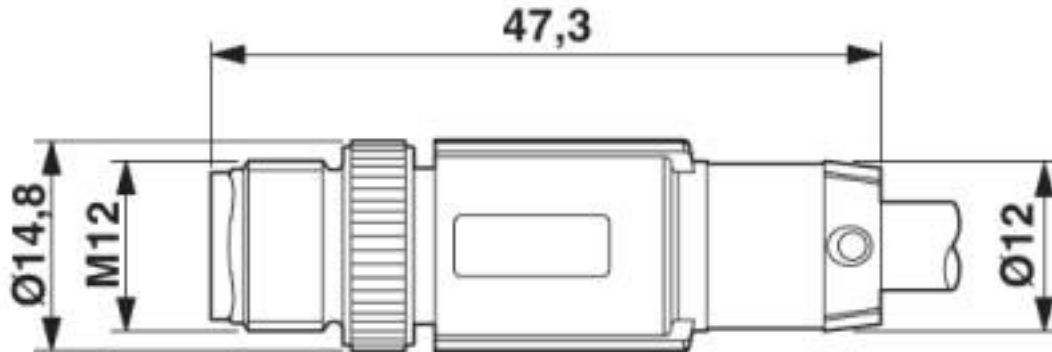
Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

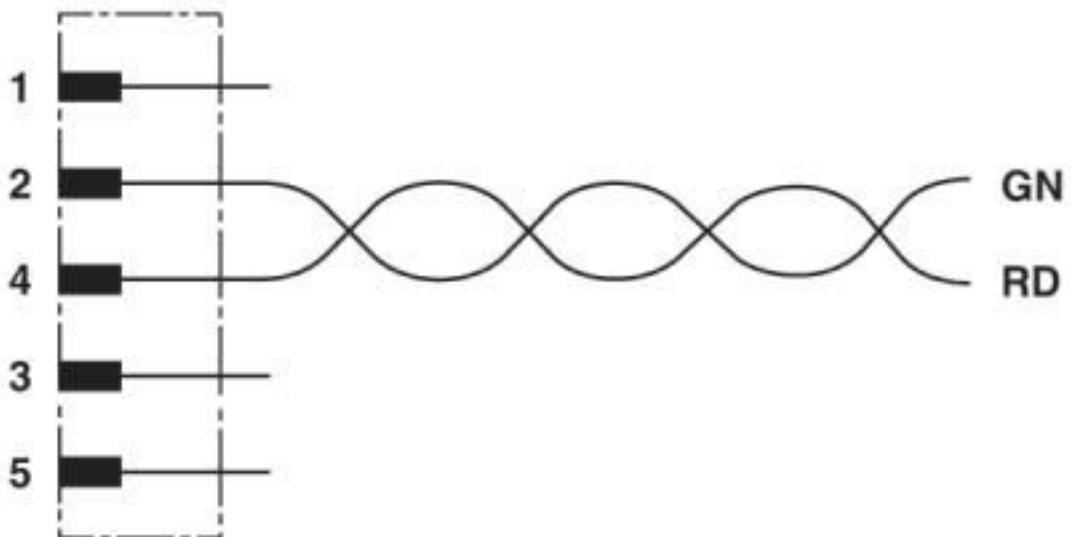
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Dimensional drawing



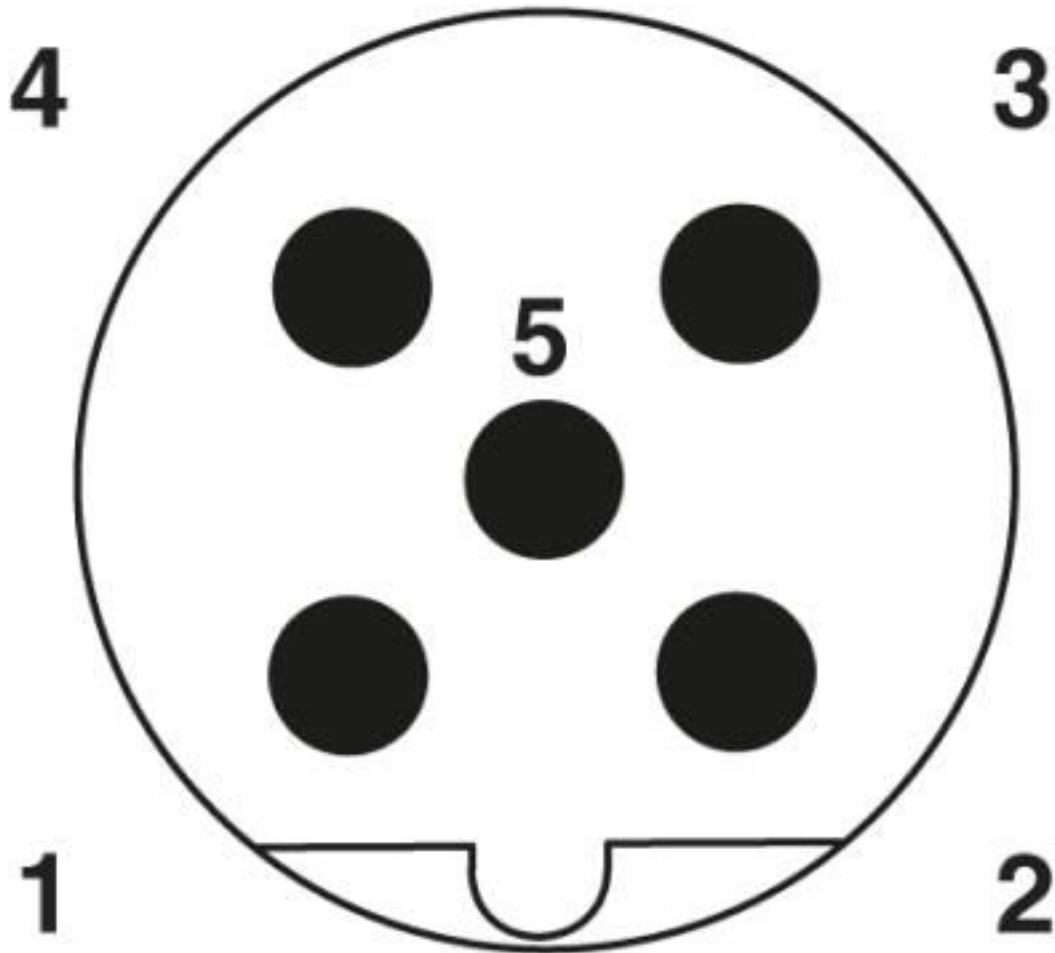
Plug, M12 x 1, straight, shielded

Circuit diagram



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Schematic diagram



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

Classifications

eCl@ss

eCl@ss 10.0.1	27060308
eCl@ss 4.0	27060300
eCl@ss 4.1	27060300
eCl@ss 5.0	27061800
eCl@ss 5.1	27061800
eCl@ss 6.0	27279200
eCl@ss 7.0	27279218
eCl@ss 8.0	27279218
eCl@ss 9.0	27060308

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Classifications

ETIM

ETIM 2.0	EC000830
ETIM 3.0	EC001855
ETIM 4.0	EC001855
ETIM 5.0	EC002599
ETIM 6.0	EC001262
ETIM 7.0	EC001262

UNSPSC

UNSPSC 6.01	31251501
UNSPSC 7.0901	31251501
UNSPSC 11	31251501
UNSPSC 12.01	31251501
UNSPSC 13.2	31251501
UNSPSC 18.0	26121604
UNSPSC 19.0	26121604
UNSPSC 20.0	26121604
UNSPSC 21.0	26121604

Approvals

Approvals

Approvals

EAC-RoHS / EAC

Ex Approvals

Approval details

EAC-RoHS		RU D- DE.HB35.B.00387
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EAC		RU C- DE.BL08.B.00286
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