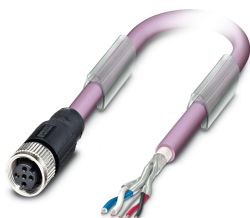


Bus system cable - SAC-5P-10,0-927/M12FS VA - 1402958

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Bus system cable, CANopen®, DeviceNet™, 5-position, PVC, black, shielded, free cable end, on Socket straight M12, coding: A, cable length: 10 m

As in the figure, but with a black cable



DeviceNet CANopen

Key Commercial Data

Packing unit	1 pc
Minimum order quantity	50 pc
GTIN	 4 046356 637473
GTIN	4046356637473

Technical data

Dimensions

Length of cable	10 m
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Ambient conditions

Degree of protection	IP65
	IP67

General

Rated current at 40°C	4 A
Rated voltage	48 V AC
	60 V DC
Number of positions	5
Insulation resistance	≥ 100 MΩ
Coding	A - standard
Signal type/category	CANopen®
	DeviceNet™
Overvoltage category	II

Bus system cable - SAC-5P-10,0-927/M12FS VA - 1402958

Technical data

General

Degree of pollution	3
Insertion/withdrawal cycles	≥ 100

Material

Flammability rating according to UL 94	HB
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	TPU GF
Material of grip body	TPU, hardly inflammable, self-extinguishing
Material, knurls	Stainless steel
Sealing material	NBR

Cable

Cable type	CANopen [®] /DeviceNet [™] , PVC, black
Cable type (abbreviation)	927
UL AWM style	2464 (80°C/300 V)
Conductor cross section	2x 0.34 mm ² (Signal line)
	2x 0.34 mm ² (Power supply)
	1x 0.38 mm ² (Drain wire)
AWG signal line	22
AWG power supply	22
Conductor structure signal line	44x 0.10 mm
Conductor structure, voltage supply	44x 0.10 mm
Core diameter including insulation	2.55 mm (Signal line)
	1.37 mm (Power supply)
Thickness, insulation	≥ 0.3 mm (Wire insulation power supply)
Wire colors	red-black, blue-white
Twisted pairs	2 cores to the pair
Type of pair shielding	Aluminum-lined polyester foil
Overall twist	2 pairs with filler elements, around a drain wire in the center to the core
Shielding	Tinned copper braided shield
Optical shield covering	85 %
Outer sheath thickness	≥ 1 mm
External cable diameter D	8.3 mm ±0.3 mm
Minimum bending radius, fixed installation	4 x D
Minimum bending radius, flexible installation	8 x D
Cable weight	83 kg/km
External sheath, color	black
Outer sheath, material	PVC
Material conductor insulation	Foamed PP (Signal line)
	PVC (Power supply)
Conductor material	Tin-plated Cu litz wires

Bus system cable - SAC-5P-10,0-927/M12FS VA - 1402958

Technical data

Cable

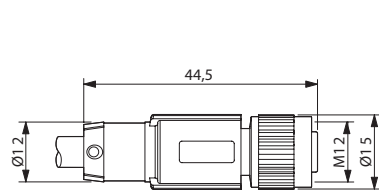
Insulation resistance	≥ 20 MΩ*km
Conductor resistance	≤ 56 Ω/km
Working capacitance	approx. 39.8 nF (Signal line, Core-Core)
	≤ 4000 pF (Signal line, Core-Shield)
Wave impedance	120 Ω ±12 Ω (f = 1 MHz)
Signal runtime	4.46 ns/m
Nominal voltage, cable	≤ 300 V
Test voltage, cable	2000 V (50 Hz, 1 min.)
Flame resistance	in acc. with UL 1581, section 1061
Ambient temperature (operation)	-30 °C ... 80 °C

Environmental Product Compliance

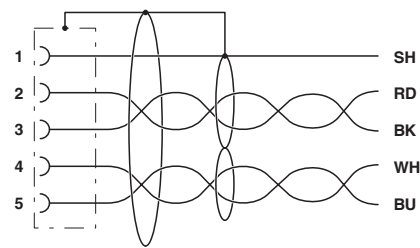
China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

Dimensional drawing



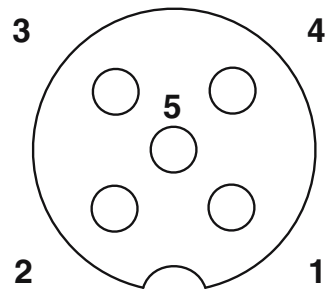
Circuit diagram



M12 x 1 socket, straight, shielded

Contact assignment of the M12 socket

Schematic diagram



Pin assignment M12 socket, 5-pos., A-coded, socket side view

Bus system cable - SAC-5P-10,0-927/M12FS VA - 1402958

Classifications

eCl@ss

eCl@ss 10.0.1	27060311
eCl@ss 11.0	27060307
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 9.0	27060311

ETIM

ETIM 4.0	EC001855
ETIM 6.0	EC001855
ETIM 7.0	EC001855

UNSPSC

UNSPSC 6.01	26121616
UNSPSC 7.0901	26121616
UNSPSC 11	26121604
UNSPSC 12.01	31251501
UNSPSC 13.2	31251501
UNSPSC 19.0	31251501
UNSPSC 20.0	31251501
UNSPSC 21.0	26121600

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PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>

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