

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, A-coded, cable length: 10 m

As in the figure, but with a black cable



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/IP69K
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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
Overvoltage category	II
Degree of pollution	3
Insertion/withdrawal cycles	≥ 100

Material

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Technical data

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

Standards and Regulations

Flammability rating according to UL 94	HB
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Cable

Cable type	DeviceNet™
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 %
External sheath, color	black
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
Outer sheath, material	PVC
Material conductor insulation	Foamed PP (Signal line)
	PVC (Power supply)
Conductor material	Tin-plated Cu litz wires
Insulation resistance	≥ 20 MΩ*km

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Cable

Conductor resistance	$\leq 56 \Omega/\text{km}$
Working capacitance	approx. 39.8 nF (Signal line, Core-Core)
	$\leq 4000 \text{ pF}$ (Signal line, Core-Shield)
Wave impedance	$120 \Omega \pm 12 \Omega$ (f = 1 MHz)
Signal runtime	4.46 ns/m
Nominal voltage, cable	$\leq 300 \text{ V}$
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

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