

Sensor/Actuator cable - SAC-5P-M12MS/ 3,0-927/M12FS VA - 1402948

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5-pos. cable, black PVC, shielded, shielded plug, straight M12, A-coded, on shielded socket, straight M12, A-coded with VA knurl, length: 3 m

Key Commercial Data

Packing unit	1 STK
Minimum order quantity	50 STK
Weight per Piece (excluding packing)	0.280 g
Custom tariff number	85444290
Country of origin	Poland

Technical data

General

Number of positions	5
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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 mm² (Signal line)
	2x 0.34 mm² (Power supply)
	1x 0.38 mm² (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

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Outer sheath thickness	$\geq 1 \text{ mm}$
External cable diameter D	8.3 mm $\pm 0,3 \text{ mm}$
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	$\geq 20 \text{ M}\Omega \cdot \text{km}$
Conductor resistance	$\leq 56 \text{ }\Omega/\text{km}$
Working capacitance	approx. 39.8 nF (Signal line, Core-Core)
	$\leq 4000 \text{ pF}$ (Signal line, Core-Shield)
Wave impedance	120 $\Omega \pm 12 \text{ }\Omega$ (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