

## Sensor/actuator cable - SAC-5P-M12MS/ 1,0-927/M12FS VA - 1402946

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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: 1 m



### Key Commercial Data

Packing unit	1 pc
Minimum order quantity	50 pc
GTIN	 4 046356 637640
GTIN	4046356637640
Weight per Piece (excluding packing)	100.000 g
Custom tariff number	85444290
Country of origin	Poland

### Technical data

#### Dimensions

Length of cable	1 m
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#### General

Rated voltage	48 V AC
	60 V DC
Number of positions	5

#### Cable

Cable type	CANopen <sup>®</sup> /DeviceNet <sup>™</sup> , PVC, black
Cable type (abbreviation)	927
UL AWM style	2464 (80°C/300 V)
Conductor cross section	2x 0.34 mm <sup>2</sup> (Signal line)
	2x 0.34 mm <sup>2</sup> (Power supply)
	1x 0.38 mm <sup>2</sup> (Drain wire)
AWG signal line	22
AWG power supply	22

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### Technical data

#### Cable

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
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

## Sensor/actuator cable - SAC-5P-M12MS/ 1,0-927/M12FS VA - 1402946

### Classifications

#### eCl@ss

eCl@ss 10.0.1	27060311
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	27060311

#### ETIM

ETIM 4.0	EC001855
ETIM 5.0	EC001855
ETIM 6.0	EC001855
ETIM 7.0	EC001855

#### UNSPSC

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

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