

## Sensor/actuator cable - SAC-5P-M12MS/ 0,3-927/M12FS VA - 1402944

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Sensor/actuator cable, 5-position, PVC, black

### Key Commercial Data

Packing unit	1 pc
Minimum order quantity	50 pc
GTIN	 4 046356 637626
GTIN	4046356637626
Weight per Piece (excluding packing)	60.000 g
Custom tariff number	85444290
Country of origin	Poland

### Technical data

#### General

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

#### Cable

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
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)

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#### Cable

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

### Classifications

#### eCl@ss

eCl@ss 4.0	27060306
eCl@ss 4.1	27060306
eCl@ss 5.0	27061801

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### Classifications

#### eCl@ss

eCl@ss 5.1	27061801
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