SAC-3P-MR/ 0,3-PUR/A-1L-Z SCO - Sensor/actuator cable



1434934

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Sensor/actuator cable, 3-position, PUR halogen-free, black-gray RAL 7021, Plug angled M12 SPEEDCON, coding: A, on Valve connector A, with 1 LED, Wiring: Z diode, cable length: 0.3 m

Your advantages

- · Easy and safe: 100 % electrically tested plug-in components
- · Save time, thanks to installation with SPEEDCON fast locking system
- · Convenient: increased machine availability thanks to quick and easy diagnostics
- Our standard: robust halogen-free PUR cable

Commercial data

Item number	1434934
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF07
Product key	BF1DJA
Catalog page	Page 228 (C-2-2019)
GTIN	4046356413329
Weight per piece (including packing)	44.4 g
Weight per piece (excluding packing)	44.4 g
Customs tariff number	85444290
Country of origin	PL



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Technical data

Product properties

Product type	Sensor/actuator cable with valve connector
Application	Standard
Number of positions	3
No. of cable outlets	1
Shielded	no
Coding	A
Insulation characteristics	
Overvoltage category	III
Degree of pollution	3

Material specifications

Flammability rating according to UL 94	НВ
Seal material	TPU
Material housing valve plug	TPU
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	TPU GF
Contact material	CuSn
Valve plug contact insert material	PA 6.6
Contact surface material	Sn
Material for screw connection	Zinc die-cast, nickel-plated

Electrical properties

Insulation resistance	≥ 100 MΩ
Nominal voltage U _N	24 V AC
	24 V DC
Nominal current I _N	4 A
Valve connector characteristics	

valve connector characteristics	
Fixing screws	M3 x 29
Pulse power	40 W (at 100 µs square-wave pulse)
Terminal voltage	70 V (at 2 mA constant current)
Reverse voltage	50 V

Mechanical properties

Mechanical data		
Insertion/withdrawal cycles	≥ 100 (M12 connector)	
Signaling		
Status display	1 LED	



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Status display present	Yes
Connector	
Connection 1	
Туре	Plug angled M12 SPEEDCON
Number of positions	3
Locking type	SPEEDCON
Coding type	A
Connection 2	
Туре	Valve connector A
Material	CuSn (Contact)
	Sn (Contact surface)
	PA 6.6 (Contact carriers)
	TPU (Housing)
Cable/line	
Cable length	0.3 m
PUR halogen-free black [PUR]	
Dimensional drawing	
	30 kg/km
Cable weight	30 kg/km 20549
Cable weight UL AWM Style	20549
Cable weight UL AWM Style Number of positions	20549 3
Cable weight UL AWM Style Number of positions Shielded	20549 3 no
Cable weight UL AWM Style Number of positions Shielded Cable type	20549 3
Cable weight UL AWM Style Number of positions Shielded Cable type Conductor structure signal line	20549 20549 3 no PUR halogen-free black [PUR] 28x 0.15 mm
Cable weight UL AWM Style Number of positions Shielded Cable type Conductor structure signal line AWG signal line	20549 3 no PUR halogen-free black [PUR] 28x 0.15 mm 20
Cable weight UL AWM Style Number of positions Shielded Cable type Conductor structure signal line	20549 3 no PUR halogen-free black [PUR] 28x 0.15 mm 20 3x 0.5 mm²
Cable weightUL AWM StyleNumber of positionsShieldedCable typeConductor structure signal lineAWG signal lineConductor cross section	20549 3 no PUR halogen-free black [PUR] 28x 0.15 mm 20
Cable weightUL AWM StyleNumber of positionsShieldedCable typeConductor structure signal lineAWG signal lineConductor cross sectionWire diameter incl. insulationExternal cable diameter	20549 3 no PUR halogen-free black [PUR] 28x 0.15 mm 20 3x 0.5 mm² 1.5 mm ±0.05 mm (Signal line) 4.50 mm ±0.2 mm
Cable weightUL AWM StyleNumber of positionsShieldedCable typeConductor structure signal lineAWG signal lineConductor cross sectionWire diameter incl. insulationExternal cable diameterOuter sheath, material	20549 3 no PUR halogen-free black [PUR] 28x 0.15 mm 20 3x 0.5 mm² 1.5 mm ±0.05 mm (Signal line) 4.50 mm ±0.2 mm PUR
Cable weightUL AWM StyleNumber of positionsShieldedCable typeConductor structure signal lineAWG signal lineConductor cross sectionWire diameter incl. insulationExternal cable diameterOuter sheath, materialExternal sheath, color	20549 3 no PUR halogen-free black [PUR] 28x 0.15 mm 20 3x 0.5 mm² 1.5 mm ±0.05 mm (Signal line) 4.50 mm ±0.2 mm PUR PUR PUR
Cable weightUL AWM StyleNumber of positionsShieldedCable typeConductor structure signal lineAWG signal lineConductor cross sectionWire diameter incl. insulationExternal cable diameterOuter sheath, materialExternal sheath, colorConductor material	20549 3 no PUR halogen-free black [PUR] 28x 0.15 mm 20 3x 0.5 mm² 1.5 mm ±0.05 mm (Signal line) 4.50 mm ±0.2 mm PUR black-gray RAL 7021 Bare Cu litz wires
Cable weightUL AWM StyleNumber of positionsShieldedCable typeConductor structure signal lineAWG signal lineConductor cross sectionWire diameter incl. insulationExternal cable diameterOuter sheath, materialExternal sheath, color	20549 3 no PUR halogen-free black [PUR] 28x 0.15 mm 20 3x 0.5 mm² 1.5 mm ±0.05 mm (Signal line) 4.50 mm ±0.2 mm PUR PUR PUR



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Max. conductor resistance	39 Ω/km (at 20 °C)
Insulation resistance	min. 20 MΩ*km
Nominal voltage, cable	≤ 300 V
Test voltage	≥ 1200 V
Minimum bending radius, fixed installation	5 x D
Minimum bending radius, flexible installation	10 x D
Smallest bending radius, fixed installation	22.5 mm
Smallest bending radius, movable installation	45 mm
Max. bending cycles	1500000
Halogen-free	in accordance with DIN VDE 0472 part 815
Flame resistance	according to DIN VDE 0482
	According to DIN EN 50265-2-1
Resistance to oil	in accordance with DIN EN 60811-2-1
Other resistance	largely oil-resistant
	partly UV-resistant (in accordance with DIN EN ISO 4892-2-A)
Ambient temperature (operation)	-40 °C 80 °C (cable, fixed installation)
	-20 °C 80 °C (Cable, flexible installation)

Environmental and real-life conditions

Ambient conditions	
Degree of protection	IP65
	IP67
Ambient temperature (operation)	-25 °C 90 °C (Plug / socket)
	-20 °C 85 °C (valve plug)
	-40 °C 80 °C (cable, fixed installation)
	-15 °C 80 °C (Cable, flexible installation)

Standards and regulations

Standard designation	M12 connector
Standards/specifications	IEC 61076-2-101
Standard designation	Valve connector
Standards/specifications	EN 175301-803

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