

Sensor/actuator cable - SAC-3P-M12MS/3,0-PUR/BI-1L-Z



1400775

<https://www.phoenixcontact.com/us/products/1400775>

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Sensor/actuator cable, 3-position, PUR halogen-free, black-gray RAL 7021, Plug straight M12, on Valve connector BI (11 mm), cable length: 3 m

Commercial Data

Item number	1400775
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to Order (non-returnable)
Sales Key	B06
Product Key	BF1DMA
GTIN	4046356511520
Weight per Piece (including packing)	119.1 g
Weight per Piece (excluding packing)	114.9 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
Number of positions	3
No. of cable outlets	1

Electrical properties

Nominal voltage U_N	24 V AC
	24 V DC
Protective circuit	Z diode

LED signaling

Status display	1 LED
Status display present	yes

Connector

Insertion/withdrawal cycles	≥ 100
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Connection 1

Head design	Plug
Head cable outlet	straight
Head thread type	M12

Connection 2

Head design	Valve connector
Head thread type	BI (11 mm)

Cable / line

Cable length	3 m
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PUR halogen-free black [PUR]

Cable weight	30 kg/km
UL AWM Style	20549
Number of positions	3
Shielded	no
Cable type	PUR halogen-free black [PUR]
Conductor structure signal line	28x 0.15 mm
AWG signal line	20
Conductor cross section	3x 0.5 mm ²
Wire diameter incl. insulation	1.5 mm \pm 0.05 mm (Signal line)
External cable diameter	4.5 mm \pm 0.2 mm
Outer sheath, material	PUR
External sheath, color	black-gray RAL 7021
Conductor material	Bare Cu litz wires

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Material wire insulation	PP
Single wire, color	black 1, black 2, green/yellow
Overall twist	3 wires, twisted
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
Max. bending cycles	15000000
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)

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Approvals



EAC

Approval ID: RU D-DE.HB35.B.00387



CSAus

Approval ID: 13631

	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
	24 V	4 A	-	-

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Classifications

ECLASS

ECLASS-9.0	27060312
ECLASS-10.0.1	27060312
ECLASS-11.0	27060312

ETIM

ETIM 8.0	EC001855
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UNSPSC

UNSPSC 21.0	31251500
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Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50 years For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"
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Accessories

Screw

Screw - SAC-V-SCREW-M3-29 KNURL - 1403779

<https://www.phoenixcontact.com/us/products/1403779>

Fillister head screw with plastic knurl, M3 x 40



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