

1439395

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Sensor/actuator cable, 3-position, PUR halogen-free, black-gray RAL 7021, Plug angled M12, on Valve connector BI (11 mm), with 1 LED, Wiring: Z diode, cable length: 1.5 m

Commercial data

Item number	1439395
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF07
Product key	BF1DMA
GTIN	4046356496858
Weight per piece (including packing)	76 g
Weight per piece (excluding packing)	72 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

Electrical properties

Nominal voltage U _N	24 V AC
	24 V DC

Mechanical properties

Mechanical data

	Insertion/withdrawal cycles	≥ 100

Connector

Connection 1

Туре	Plug angled M12
Number of positions	3

Connection 2

Туре	Valve connector BI (11 mm)
Number of positions	3

Cable/line

	1.5 m
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PUR halogen-free black [PUR]

Dimensional drawing



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 mm²



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Wire diameter incl. insulation	1.5 mm ±0.05 mm (Signal line)	
External cable diameter	4.50 mm ±0.2 mm	
Outer sheath, material	PUR	
External sheath, color	black-gray RAL 7021	
Conductor material	Bare Cu litz wires	
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	
Smallest bending radius, movable installation	45 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

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Œ.	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

UNSPSC 21.0

ECLASS

	ECLASS-11.0	27060312
	ECLASS-12.0	27060312
	ECLASS-13.0	27060312
ETIM		
	ETIM 8.0	EC001855
UN	ISPSC	

31251500



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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes			
Exemption	7(c)-l			
China RoHS				
Environment friendly use period (EFUP)	EFUP-50			
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.			
EU REACH SVHC				
REACH candidate substance (CAS No.)	Diboron trioxide(CAS: 1303-86-2)			
	Lead monoxide (lead oxide)(CAS: 1317-36-8)			



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Accessories

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

1403779

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Fillister head screw with plastic knurl, M3 x 40

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