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Sensor/Actuator cable, 3-position, PUR halogen-free, Irradiated, highly flexible, orange RAL 2003, Plug straight M12, A-coded, on Valve connector A, with 1 LED, connected with Z diode, Cable length: 1 m

As shown in the illustration but with an orange conductor

RoHS

Key Commercial Data

Packing unit	1 STK
Minimum order quantity	100 STK
GTIN	4 046356 509275
GTIN	4046356509275
Weight per Piece (excluding packing)	60.000 g
Custom tariff number	85444290
Country of origin	Poland

Technical data

Dimensions

Length of cable 1 m	
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Ambient conditions

Ambient temperature (operation)	-25 °C 90 °C (Plug / socket)
	-20 °C 85 °C (valve plug)
Degree of protection	IP65
	IP67
General	

Rated current at 40°C	4 A
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Technical data

General

Rated voltage	24 V
Number of positions	3
Insulation resistance	\geq 100 M Ω
Coding	A - standard
Standards/regulations	M12 connector IEC 61076-2-101
	Valve connector EN 175301-803
Status display	1 LED
Protective circuit/component	Z diode
Overvoltage category	111
Degree of pollution	3
Insertion/withdrawal cycles	≥ 100 (M12 connector)
Torque	0.4 Nm (M12 connector)
	0.6 Nm (Valve connector)

Material

НВ
CuSn
Ni/Au
TPU GF
TPU
CuSn
Sn
PA 66
TPU
Zinc die-cast, nickel-plated
TPU (Seal molded)

Standards and Regulations

Standard designation	M12 connector
Standards/regulations	IEC 61076-2-101
Standard designation	Valve connector
Standards/regulations	EN 175301-803
Flammability rating according to UL 94	НВ

Cable

Cable type	PUR irradiated halogen-free orange
Cable type (abbreviation)	150
Cable abbreviation	Li12Y11X
Conductor cross section	3x 0.5 mm² (Signal line)



Technical data

Cable

k 0.15 mm 6 mm ±0.02 mm (Signal line) 0.21 mm (Core insulation) prox. 0.6 mm (Outer cable sheath)
6 mm ±0.02 mm (Signal line) 0.21 mm (Core insulation) prox. 0.6 mm (Outer cable sheath)
.21 mm (Core insulation) prox. 0.6 mm (Outer cable sheath)
prox. 0.6 mm (Outer cable sheath)
ck 1, black 2, green/yellow
vires, twisted
nge RAL 2003
mm ±0.15 mm
00000
mm
m
n/s
kg/km
R
E-E
re Cu litz wires
00 MΩ*km (at 20 °C)
x. 39 Ω/km (at 20 °C)
00 V
000 V
cone-free
accordance with DIN UL-Style 20549
accordance with DIN VDE 0472 part 815
°C 80 °C (cable, fixed installation)
°C 80 °C (cable, flexible installation)

Drawings

Schematic diagram



Pin assignment M12 plug, 3-pos., valve connector

Schematic diagram



Valve connector pin assignment, type A

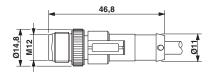


Valve connector, type A

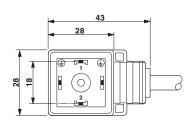
Cable cross section

PUR irradiated halogen-free orange [150]

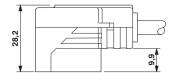
Dimensional drawing



Dimensional drawing



Dimensional drawing



Valve connector, type A, side view

M12 x 1 plug, straight

Circuit diagram

Contact assignment of M12 plug and valve connector

Approvals

Approvals

Approvals

CSA / CSAus / cCSAus



Approvals

Ex Approvals

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Approval details

CSA I http://www.csagroup.org/services/testing-and-certification/certified-product-listing/ 13631	
Nominal current IN	4 A
Nominal voltage UN	24 V

CSAus http://www.csagroup.org/services/testing-and-certification/certified-product-listing/ 13631	
Nominal current IN	4 A
Nominal voltage UN	24 V

cCSAus http://www.csagroup.org/us/en/services/testing-and-certification/certified-product-listing

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