

1413945

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Double valve connector cable, 4-position, PUR/PVC, black, free cable end, on Valve connector A, with 1 LED, Wiring: Z diode and Valve connector A, with 1 LED, Wiring: Z diode, cable length: 3 m, valve connector spacing: 0.25 m

Your advantages

- Easy and safe: 100 % electrically tested plug-in components
- · Efficient: control valves with two connections via a single connecting cable
- · Convenient: increased machine availability thanks to quick and easy diagnostics

Commercial data

Item number	1413945
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	AF1DGA
Product key	AF1DGA
GTIN	4055626012476
Weight per piece (including packing)	256 g
Weight per piece (excluding packing)	256 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	4
No. of cable outlets	1
Shielded	no
Insulation characteristics	
Overvoltage category	II
Degree of pollution	3

Connection data

Conductor connection

Tightening torque	0.6 Nm

Material specifications

Flammability rating according to UL 94	НВ
Seal material	TPU
Material housing valve plug	TPU
Contact material	CuSn
Valve plug contact insert material	PA 6.6
Contact surface material	Sn

Electrical properties

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

Mechanical properties

Signaling

Status display	1 LED
Status display present	yes

Connector

Connection 1

Туре	free cable end



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Connection 2

Туре	Valve connector A
Material	CuSn (Contact)
	Sn (Contact surface)
	PA 6.6 (Contact carriers)
	TPU (Housing)
Protective circuit	Z diode

Connection 3

Туре	Valve connector A
Material	CuSn (Contact)
	Sn (Contact surface)
	PA 6.6 (Contact carriers)
	TPU (Housing)
Protective circuit	Z diode

Cable/line

Cable length	3 m
	0.25 m

PUR/PVC, 0.75 mm², black [116]

Dimensional drawing



Cable weight 57 kg/km UL AWM Style 20549 Number of positions 4 Shielded no Cable type PUR/PVC, 0.75 mm², black [116] Conductor structure signal line 24x 0.20 mm AWG signal line 18 Conductor cross section 4x 0.75 mm² Wire diameter incl. insulation 1.7 mm ±0.05 mm External cable diameter 6.30 mm ±0.2 mm Outer sheath, material PUR External sheath, color black Conductor material Bare Cu litz wires Material wire insulation PVC Single wire, color black 1, black 2, black 3, green/yellow		
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External sheath, color black Conductor material Bare Cu litz wires Material wire insulation PVC	External cable diameter	6.30 mm ±0.2 mm
Conductor material Bare Cu litz wires Material wire insulation PVC	Outer sheath, material	PUR
Material wire insulation PVC	External sheath, color	black
	Conductor material	Bare Cu litz wires
Single wire, color black 1, black 2, black 3, green/yellow	Material wire insulation	PVC
	Single wire, color	black 1, black 2, black 3, green/yellow



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Overall twist	4 wires, twisted
Max. conductor resistance	26 Ω/km (at 20 °C)
Insulation resistance	≥ 20 MΩ*km
Nominal voltage, cable	300 V
Test voltage	1200 V
Smallest bending radius, fixed installation	63 mm
Flame resistance	according to DIN VDE 0482
	According to DIN EN 50265-2-1
	in acc. with UL FT-2
Ambient temperature (operation)	-5 °C 80 °C (Cable, flexible installation)
	-40 °C 80 °C (cable, fixed installation)

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP65
	IP67
Ambient temperature (operation)	-25 °C 85 °C (Valve connector)

Standards and regulations

Valve connector

Standard designation	Valve connector
Standards/specifications	EN 175301-803

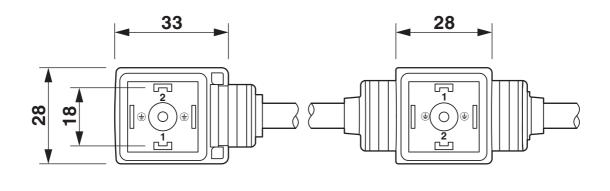


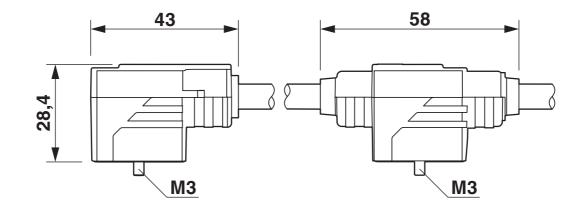
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Drawings

Dimensional drawing





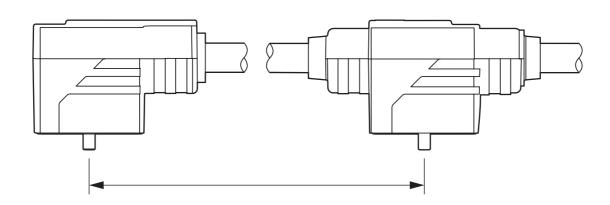
Double valve connector, 2x type A



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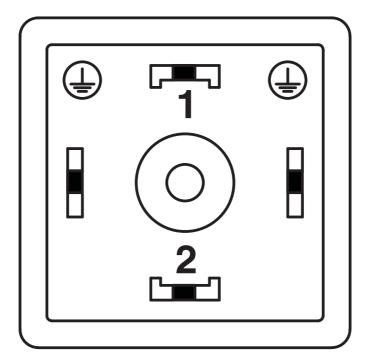
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Dimensional drawing



Valve connector spacing

Schematic diagram



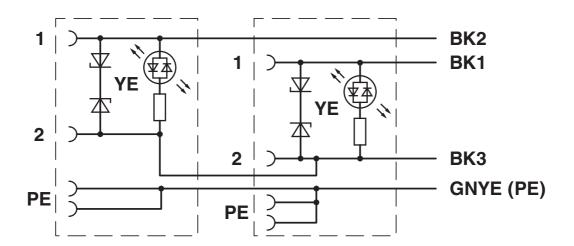
Valve connector pin assignment, type A



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Circuit diagram



Contact assignment of the double-valve connector



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Approvals

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@	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

EC	ECLASS		
	ECLASS-13.0	27060312	
ΕΊ	ГІМ		
	ETIM 9.0	EC001855	
U	NSPSC		
	UNSPSC 21.0	31251500	



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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements Exemption	Yes 7(c)-I
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.)	No substance above 0.1 wt%

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PHOENIX CONTACT Ltd Halesfield 13, Telford Shropshire, TF7 4PG 01952 681700 info@phoenixcontact.co.uk