

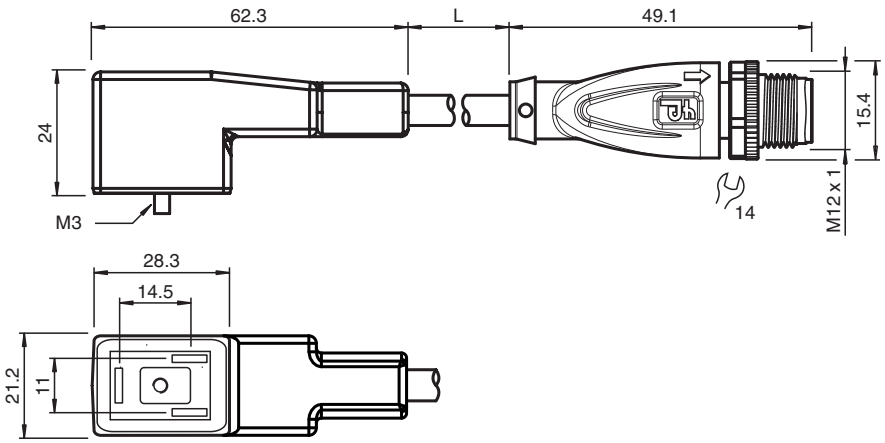
Valve Connector with IO-Link Class A

VMBI-2+P-0,2M-PUR-IO-V11-G

- Comprehensive IO-Link interface fitting to solenoid valves with connection Form B (industry)
- IO-Link port class A
- Supplies comprensive diagnostics data
- Configurable alarms
- Up to 70 % energy savings
- Comprehensive condition monitoring
- Enables predictive maintenance

Valve connector Form B (Ind) with IO-Link Class A to M12 plug straight A-coded, 3-pin, PUR cable black

Dimensions



Technical Data

General specifications		
Connector 1		
Connection		Valve connector industrial version
Construction type		form B (Ind)
Style		angled
Locking		screw connection
Number of pins		2
Connector 2		
Connection		plug
Construction type		M12
Style		straight
Locking		screw connection
Number of pins		3
Coding		A-coded
Electrical specifications		
Operating voltage	U_B	24 V DC (18 ... 30 V DC)
No-load supply current	I_0	< 10 mA (at 24 V DC)

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Technical Data

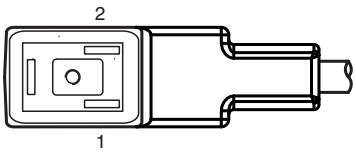
Operating current	I_B	max. 500 mA (depending on master)
Interface		
Interface type		IO-Link
IO-Link revision		1.1
Device profile		Identification and Diagnosis - I&D
Process data		Input 8 bit - Status signals 1 bit - Input values 7 bit Output 8 bit - Control signals 1 bit - Control values 7 bit
Vendor ID		1 (0x0001)
Device ID		984835 (0x0F0703)
Data transfer rate		COM2 (38.4 kBit/s)
Min. cycle time		2.8 ms
SIO mode support		no
Compatible master port type		Class A Class B
Conformity		
Degree of protection		EN 60529
Communication interface		IEC 61131-9 / IO-Link V1.1.4
Plug connection		Valve connector : on the basis of DIN EN 175301-803 connector M12 x 1 : IEC 61076-2-101
Flammability		DIN VDE 0482 , DIN EN 50265-2-1 , UL 94
Halogen-free		IEC 60754-1
Ambient conditions		
Ambient temperature		
Connector 1		-20 ... 70 °C (-4 ... 158 °F)
Connector 2		-40 ... 90 °C (-40 ... 194 °F)
Cable, fixed installation		-40 ... 80 °C (-40 ... 176 °F)
Cable, flexing		-25 ... 80 °C (-13 ... 176 °F)
Pollution degree		3
Mechanical specifications		
Connector 1		
Tightening torque		0.4 Nm
Tool installation		screw M3 x 26
Mating cycles		min. 100
Degree of protection		IP65 / IP67
Connector 2		
Tightening torque		0.6 Nm
Tool installation		straight knurling and hexagon nut SW = 14 mm
Mating cycles		min. 100
Degree of protection		IP68 / IP69
Cable		according to IEC/EN 60228 (DIN VDE 0295) class 5
Sheath diameter		4.8 mm
Bending radius		> 10 x cable diameter, movable installation > 8 x cable diameter, fixed installation
Sheath stripping force		max. 10 N / 50 mm
Sheath color		grey (similar to RAL 7001)
Number of cores		3
Core cross section		0.34 mm^2
Cores color		Core 1: brown Core 3: blue Core 4: black
Core construction		19 x 0.15 mm Ø
Length	L	approx. 135 mm
Cable code		Li 9Y 11YM 3 x 0.34

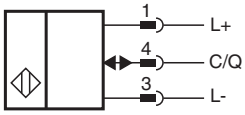
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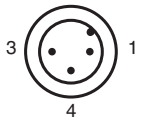
Technical Data

Drag chain suitability		
Drag chain cycles		max. 50 / day
Motion velocity		max. 0.3 m/s
Mass		50 g
Material		
Halogen-free		yes
Connector 1		
Screw connection		Stainless steel A2
Body		TPU, anthracite
Seal		TPU , integrated
Contact surface		Sn
Flammability		V-0
Connector 2		
Screw connection		Zinc diecast, nickel-plated
Body		TPU, black
Contact surface		gold plated (Au)
Flammability		V-2
Cable		
Sheathing		PUR based on polyether
Cores		bare copper (Cu)
Core insulation		PP
Chemical resistance		good
Microbial resistance		yes
Hydrolysis resistance		yes
Flammability		V-2

Connection Assignment







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