

Electrical connection

Connection	M12x1-Male, 4-pin, A-coded
Polarity reversal protected	yes
Short-circuit protection	yes

Electrical data

Current draw max.	30 mA
Load cycles	100 million
Operating voltage U_b	18...30 VDC
Output current max.	250 mA
Protection class	III
Switching cycles min.	100 million
Switching frequency	200 Hz

Environmental conditions

Ambient temperature	-25...85 °C
Compensation temperature	0...70 °C
IP rating	IP67
Interference immunity	EN 61326-2-3: 2006
Media temperature	-40...125 °C
Noise emission	EN 61326-2-3:2013
Storage temperature	-40...85 °C
Temperature coefficient typ.	$\leq \pm 0.3$ % FSO/10K

Functional safety

MTTF (40 °C)	563 a
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General data

Approval/Conformity	CE WEEE
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Material

Connector housing, material	Nickel-plated brass
Gasket, material	without, welded
Housing material	Stainless steel (1.4301)
Measuring cell, material	Stainless steel (1.4542)
Process connection material	Stainless steel (1.4571)

Mechanical data

Process connection	NPT 1/4"
Tightening torque max.	30 Nm
Weight	120.00 g

Output/Interface

Interface	IO-Link 1.1
Switching output	PNP normally open/normally closed (NO/NC)

Range/Distance

Accuracy	± 0.5 % FSO BFS
Burst pressure	1800.00 bar
Long-term stability max.	0.3 % FSO/year
Measuring range	0...600 bar
Overload pressure	1200 bar
Resolution	≤ 12 bits
Sampling rate	1 ms

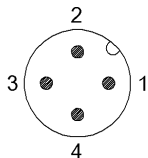
Remarks

vacuum-tight

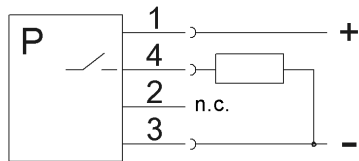
For further information about the MTTF and B10d see MTTF / B10d certificate

Indication of the MTTF- / B10d value does not represent a binding composition and/or life expectancy assurance; these are simply experiential values with no warranty implications. These declared values also do not extend the expiration period for defect claims or affect it in any way.

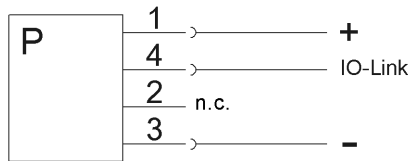
Connector Drawings



Wiring Diagrams



1)



2)

1) Standard mode

2) IO-Link mode