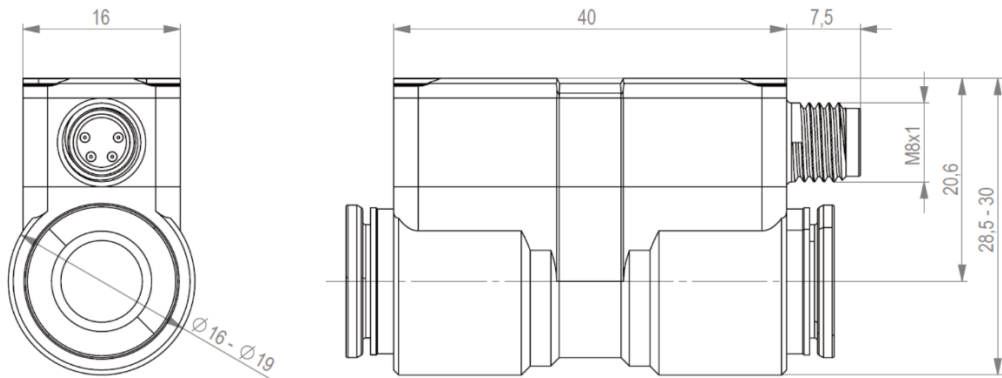


DATA SHEET | ENGLISH

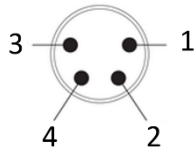


DIMENSION DRAWING



ELECTRICAL CONNECTION

Pin	Assignment
1	Ub+
3	0 V
4	Out 1 / IO-Link
2	Out 2



General data

Display	LED green: Operating display LED yellow: Switching points OUT 1 / 2
Setting options	2xPNP: Different parameters via IO-Link, e.g.: Switching points; NO/NC; Hysteresis / Window mode; Switching delay
Operating medium	Filtered, dry or oiled air and non-corrosive gases
Protection class	IP68
MTTF (40°C)	713 Years

Ordering information

1 - 18 - XX X1 - 0 XX X 00	
Process connection	Pressure range
hose connection ø5/32" 14	-14.5...14.5 psi 2
hose connection ø1/4" 18	0...145 psi 4
hose connection ø5/16" 15	
hose connection ø3/8" 19	
hose connection 6mm 07	
Protection class	
IP68 8	
Output	
2x PNP with IO-Link 33	

Mechanical data

Material housing	Plastic PBT/PC
Process connection	Push-in
Mounting position	Any
Weight	approx. 20 – 30g

Electrical data

Electrical connection	M8x1 4-pole
Operating voltage	9...30 VDC
Current consumption	< 25 mA
Short-circuit / reverse polarity protection	yes / yes

Output

Output	2x PNP + IO-Link
Output voltage	approx. Ub -1.5 V
Max. output current	max. 150 mA per output
Output function	NO/NC (programmable)
Accuracy (23°C)	± 0.5% FS
max. temperature error	± 1.5% FS (-25°C...85°C)
Repeatability	± 0.2% FS
Long term drift	≤ 0.1% / a
IO-Link specification	Version 1.1
Transmission rate	COM 2 / 38,4 kBit/s

Pressure range

Measuring range		
(bar)	-1...1	0...10
(psi)	-14.5...14.5	0...145
max. overpressure*		
(bar)	2	15
(psi)	29	217.6

Operating conditions

Operating temperature	Operation: -25° ...+85°C
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EMC / interference immunity	EN61000-6-2
EMC / interference emission	EN61000-6-4

UL approval	E511277
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*overpressure not continuously allowed