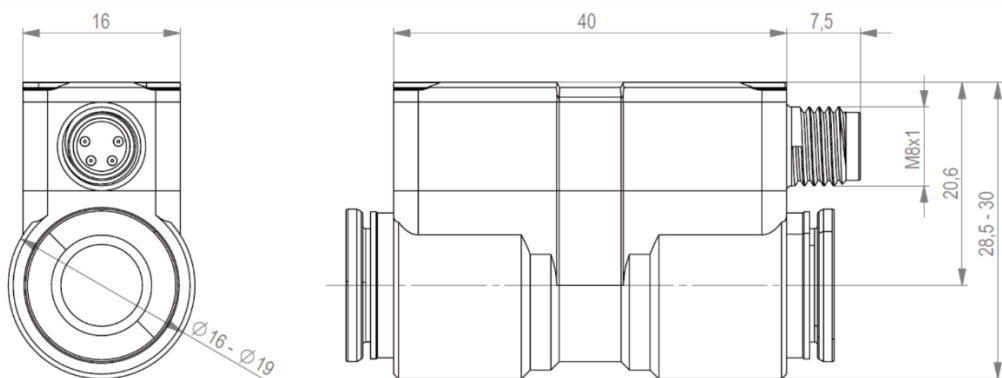


DATA SHEET | ENGLISH



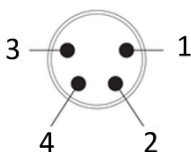
DIMENSION DRAWING



ELECTRICAL CONNECTION

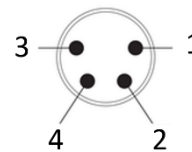
Version 1xPNP with Poti

Pin	Assignment
1	Ub+
3	0 V
4	Out 1
2	



Version 2xPNP with IO-Link

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	1xPNP: Switching point via potentiometer 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	IP40 / IP68

Ordering information

1 - 08 - XX X1 - 0 XX X 00		
hose connection ø4mm	14	
hose connection ø6mm	07	
hose connection ø8mm	15	
hose connection ø10mm	16	
protection class IP40	5	
protection class IP68	8	
1x PNP / NO	11	
1x PNP / NC	12	
2x PNP with IO-Link	33	
		-1...0 bar 1
		-1...1 bar 2
		-1...10 bar 3
		0...10 bar 4
		0...12 bar 5
		-1...3 bar 6
		0...0,25 bar 8

Mechanical data

Material housing	Plastic PBT/PC
Process connection	Push-in 4/6/8/10 mm
Mounting position	Any
Weight	approx. 20 g (4/6mm) approx. 30 g (8/10mm)

Electrical data

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

Output (Version 1xPNP with potentiometer)

Output signal	1x PNP
Max. output current	max. 100 mA
Output voltage	approx. Ub -1.5 V
Output function	NO/NC (fixed setting)
Switching point	Adjustment potentiometer 5-100%
Switching hysteresis	approx. 5% FS
Repeatability	± 3% FS

Output (Version 2xPNP with IO-Link)

Output	2x PNP + IO-Link
Output voltage	approx. Ub -1.5 V
Max. output current	max. 250 mA per output
Output function	NO/NC (programmable)
Accuracy (23°C)	± 0.5% FS
max. temperature error	± 1.5% FS (-10°C...60°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)	(psi)	0...0.25	-1...0	-1...1	-1...3	-1...10	0...10	0...12
			0...3.26	-14.5...0	-14.5...14.5	-14.5...43.5	-14.5...145	0...145	0...174
max. overpressure*	(bar)	(psi)	0.5	2	6	15			
			7.25	29	87	217.6			

Operating conditions

Operating temperature	Operation: -10°...+60°C Storage: -20°...+85°C
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EMC / interference immunity	EN61000-6-2
EMC / interference emission	EN61000-6-4

*overpressure not continuously allowed