

DATA SHEET | ENGLISH



DIMENSION DRAWING

16, 40, 7.5, 20.6, 28.5 - 30, Ø 16 - Ø 19, M8x1

ELECTRICAL CONNECTION

Pin	Assignment
1	Ub+
3	0 V
4	OUT 1
2	NC

General data Operating medium Protection class MTTF (40°C)		Filtered, dry or oiled air and non-corrosive gases IP40/IP68 2,176 years (4-20mA) 2,528 years (0-10V / 1-10V/1-5V)	
Ordering information			
1 - 08 - <u>XX</u> <u>X1</u> - <u>XX</u> 0 X 00			
<u>Process connection</u>		<u>Pressure range</u>	
hose connection Ø4mm	14	bar	psi
hose connection Ø6mm	07	-1...0	-14.5...0 1
hose connection Ø8mm	15	-1...1	-14.5...14.5 2
hose connection Ø10mm	16	-1...10	-14.5...145 3
<u>Protection class</u>		0...10	0...145 4
IP40	5	0...12	0...174 5
IP68	8	-1...3	-14.5...43.5 6
<u>Output signal</u>		0...0.25	0...3.625 8
4...20 mA	07		
0...10 V	09		
1...10 V	10		
1...5 V	11		
Mechanical data		Electrical data	
Material housing	Plastic PBT/PC	Electrical connection	M8x1, 4-pole
Process connection	Push-in 4/6/8/10 mm	Operating voltage	9...30 VDC (4...20 mA); 14...30 VDC (1...10 V; 0...10 V; 1...5V)
Mounting position	Any	Short-circuit / reverse polarity protection	yes / yes
Weight	approx. 20 g (4/6mm) approx. 30 g (8/10mm)	Output signal	4...20 mA; 1...10 V; 0...10 V; 1...5 V
		Accuracy (23°C)	± 0.5% BTLS
		max. temperature error	± 1.5% FS (-25°C...85°C)
		Repeatability	± 0.2% FS
		Long term drift	≤ 0.1% / a
		Pressure range	
		Measuring range (bar)	0...0.25
		(psi)	0...3.26
		max. overpressure* (bar)	0.5
		(psi)	7.25
			2
			29
			6
			87
			15
			217.6
		Operating conditions	
		Operating temperature	Operation: -25°...+85°C
		EMC / interference immunity	EN61000-6-2
		EMC / interference emission	EN61000-6-4

*overpressure not continuously allowed