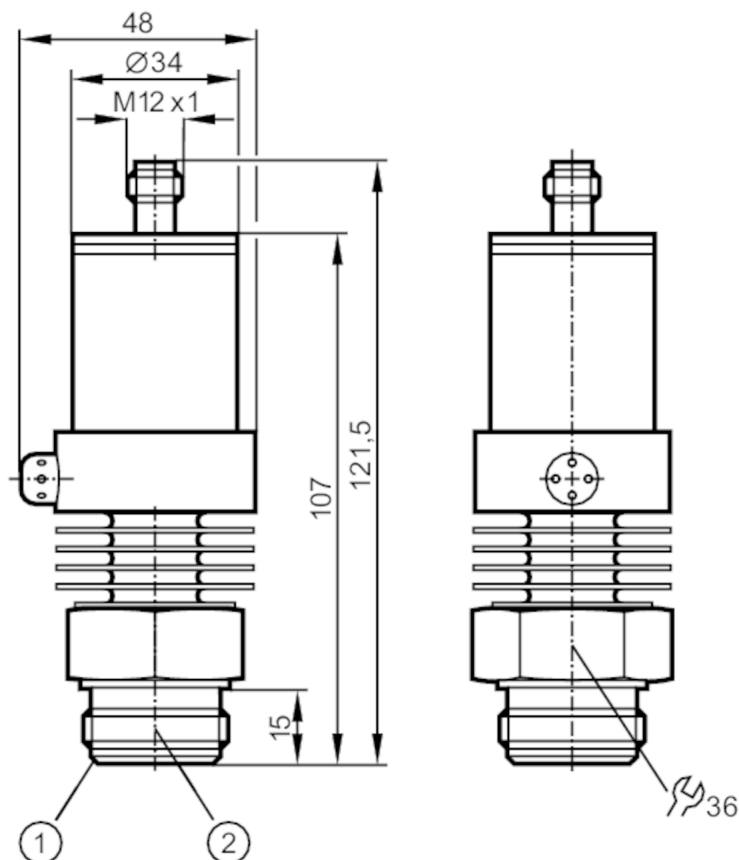


PM2057



Flush pressure transmitter

PM-001BRES30-E-ZVG/US/ /P



- 1 Aseptoflex sealing edge
- 2 Aseptoflex thread



EC 1935/2004 EHEDG Certified FDA

Application			
Application	hygienic systems		
Media	viscous media and liquids with suspended particles; liquids and gases		
Medium temperature [°C]	-25...125; (145 max. 1h)		
Pressure rating	10000 mbar	145 psi	1000 kPa
Min. bursting pressure	30000 mbar	450 psi	3000 kPa
Type of pressure	relative pressure		
No dead space	yes		
Electrical data			
Operating voltage [V]	14...30 DC		
Min. insulation resistance [MΩ]	100; (500 V DC)		
Protection class	III		
Reverse polarity protection	yes		
Inputs / outputs			
Number of inputs and outputs	Number of analogue outputs: 1		



Flush pressure transmitter

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Outputs				
Total number of outputs		1		
Output signal		analogue signal		
Number of analogue outputs		1		
Analogue current output [mA]		4...20		
Max. load [Ω]		550; (Ub = 24 V; (Ub - 13 V) / 20 mA)		
Overload protection		yes		
Measuring/setting range				
Measuring range		-50...1000 mbar	-0.7...14.5 psi	-5...100 kPa
Analogue start point		-50...749 mbar	-0.7...10.9 psi	-5...74.9 kPa
Analogue end point		200...999 mbar	2.9...14.5 psi	20...99.9 kPa
In steps of		1 mbar	0.1 psi	0.1 kPa
Factory setting			ASP = 0 mbar	AEP = 999 mbar
Accuracy / deviations				
Repeatability [% of the span]		< ± 0,1; (with temperature fluctuations < 10 K; Turn down 1:1)		
Characteristics deviation [% of the span]		< ± 0,6; (Turn down 1:1 linearity, incl. hysteresis and repeatability limit value setting to DIN 16086)		
Linearity deviation [% of the span]		< ± 0,5; (Turn down 1:1)		
Hysteresis deviation [% of the span]		< ± 0,1; (Turn down 1:1)		
Long-term stability [% of the span]		< ± 0,1; (Turn down 1:1; per year)		
Temperature coefficient zero point [% of the span / 10 K]		< ± 0,1; (0...80 °C)		
Temperature coefficient span [% of the span / 10 K]		< ± 0,2; (0...80 °C)		
Response times				
Max. response time analogue output [ms]		3		
Software / programming				
Parameter setting options		zero point; span		
Interfaces				
Communication interface		EPS		
Operating conditions				
Ambient temperature [°C]		-25...80		
Storage temperature [°C]		-40...100		
Protection		IP 67		

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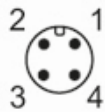
Tests / approvals		
EMC	EN 61000-4-2 ESD	4 kV CD / 8 kV AD
	EN 61000-4-3 HF radiated	10 V/m
	EN 61000-4-4 Burst	2 kV
	EN 61000-4-6 HF conducted	10 V
Shock resistance	DIN IEC 68-2-27	50 g (11 ms)
Vibration resistance	DIN IEC 68-2-6	20 g (10...2000 Hz)
MTTF	[years]	271

Mechanical data		
Weight	[g]	465.8
Materials	stainless steel (1.4404 / 316L); PEI; FKM	
Materials (wetted parts)	ceramics (99.9 % Al2O3); PTFE; stainless steel (1.4404 / 316L); surface characteristics: Ra < 0,4 / Rz 4	
Min. pressure cycles	100 million	
Process connection	threaded connection Aseptoflex external thread Aseptoflex	

Remarks	
Remarks	The 3-A qualification is only valid if adapters with 3-A qualification are used for installation.
Pack quantity	1 pcs.

Electrical connection

Connector: 1 x M12; Contacts: gold-plated



Connection

