

PM2067

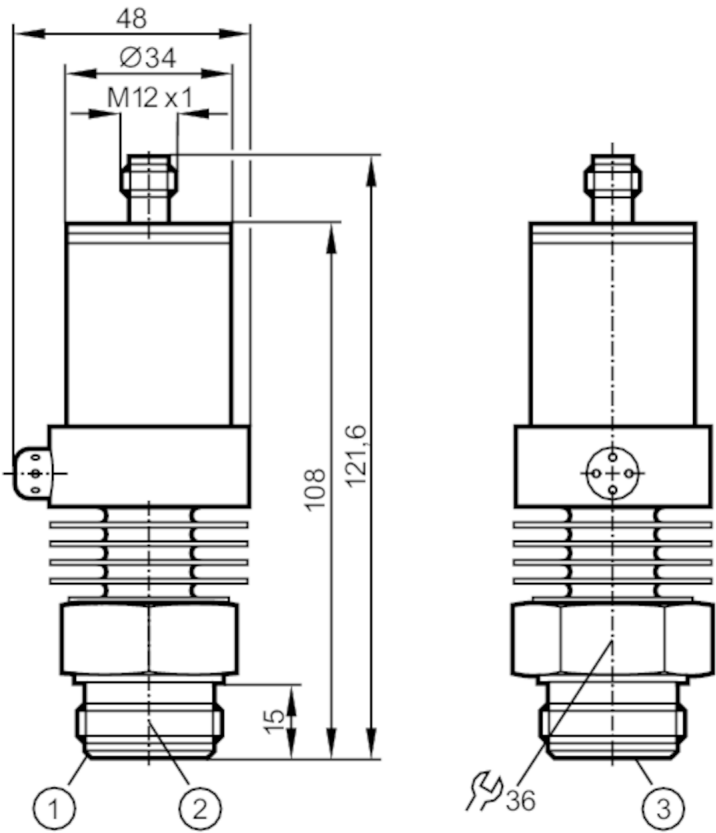


Flush pressure transmitter

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

Article no longer available - archive entry

Alternative articles: PM2057
When selecting an alternative article and accessories please note that technical data may differ!



- 1 Aseptoflex sealing edge
- 2 Aseptoflex thread
- 3 diaphragm : PTFE



Product characteristics			
Number of inputs and outputs	Number of analogue outputs: 1		
Measuring range	-50...1000 mbar	-0.7...14.5 psi	-5...100 kPa
Process connection	threaded connection Aseptoflex external thread Aseptoflex		
Application			
Application	flush mountable for the food and beverage industry		
Media	liquid and viscous media		
Medium temperature [°C]	-25...125; (145 max. 1h)		
Min. bursting pressure	30000 mbar	450 psi	3000 kPa
Pressure rating	10000 mbar	145 psi	1000 kPa
Type of pressure	relative pressure		
No dead space	yes		



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Electrical data			
Operating voltage	[V]	14...30 DC; ("supply class 2" to cULus)	
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	
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
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 EN IEC 62828-1)	
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]	< ± 0,15; (0...80 °C)	
Temperature coefficient span	[% of the span / 10 K]	< ± 0,4; (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)

Mechanical data	
Materials	stainless steel (316L/1.4404); PA; PBT
Materials (wetted parts)	stainless steel (316L/1.4435); PTFE on ceramic substrate; PTFE
Min. pressure cycles	100 million
Process connection	threaded connection Aseptoflex external thread Aseptoflex

Remarks	
Pack quantity	1 pcs.

Electrical connection

Connector: 1 x M12; coding: A



Connection

