

PM2066

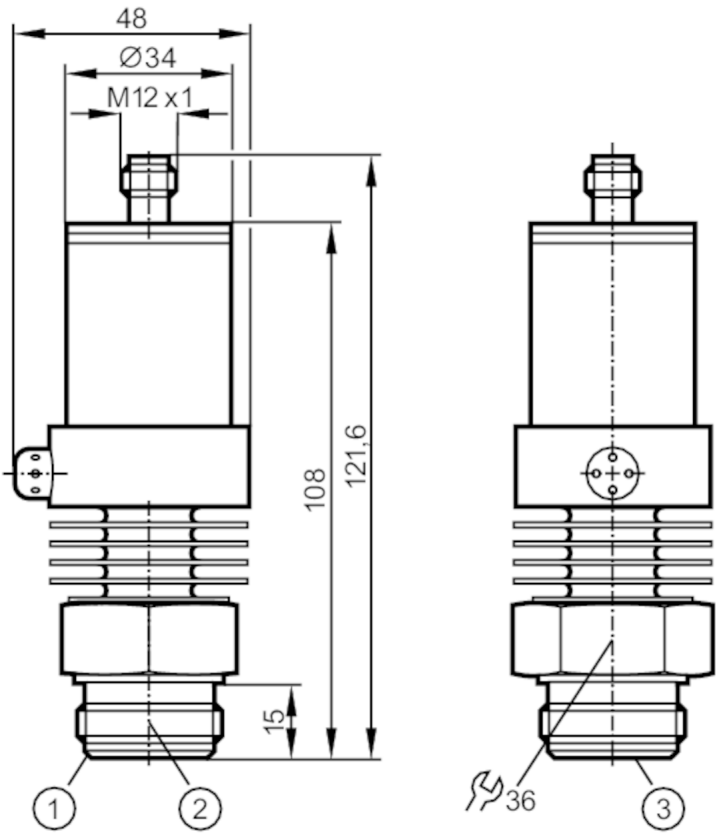


Flush pressure transmitter

PM-2,5-RES30-E-ZVG/US/ /P

Article no longer available - archive entry

Alternative articles: PM2056
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	-0.13...2.5 bar	-1.8...36.3 psi	-13...250 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	50 bar	725 psi	5000 kPa
Pressure rating	20 bar	290 psi	2000 kPa
Type of pressure	relative pressure		
No dead space	yes		



Flush pressure transmitter

PM-2,5-RES30-E-ZVG/US/ /P

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		-0.13...2.5 bar	-1.8...36.3 psi	-13...250 kPa
Analogue start point		-0.13...1.88 bar	-1.8...27.2 psi	-13...188 kPa
Analogue end point		0.5...2.5 bar	7.3...36.3 psi	50...250 kPa
In steps of		0.01 bar	0.1 psi	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		

PM2066



Flush pressure transmitter

PM-2,5-RES30-E-ZVG/US/ /P

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

