PM2063

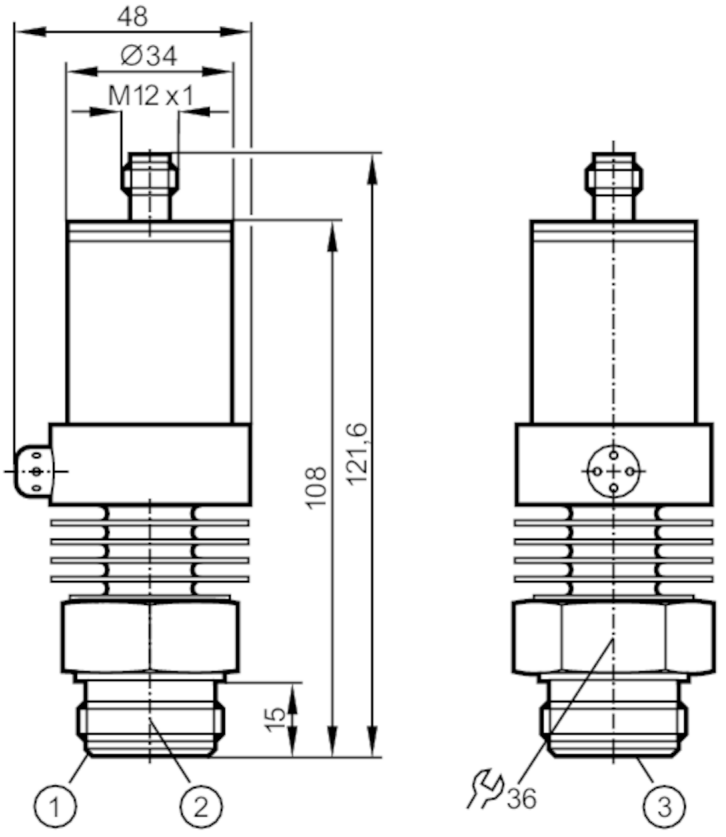
Flush pressure transmitter

PM-025-RES30-E-ZVG/US/ /P

Article no longer available - archive entry

Alternative articles: PM2053

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		-1...25 bar	-15...363 psi	-0.1...2.5 MPa
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		350 bar	5070 psi	35 MPa
Pressure rating		100 bar	1450 psi	10 Mpa
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		-1...25 bar	-15...363 psi	-0.1...2.5 MPa
Analogue start point		-1...18.8 bar	-15...272 psi	-0.1...1.88 MPa
Analogue end point		5.3...25 bar	76...363 psi	0.53...2.5 MPa
In steps of		0.1 bar	1 psi	0.01 MPa
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 (1.4404 / 316L); PA; PBT
Materials (wetted parts)	stainless steel (1.4435 / 316L); 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

