

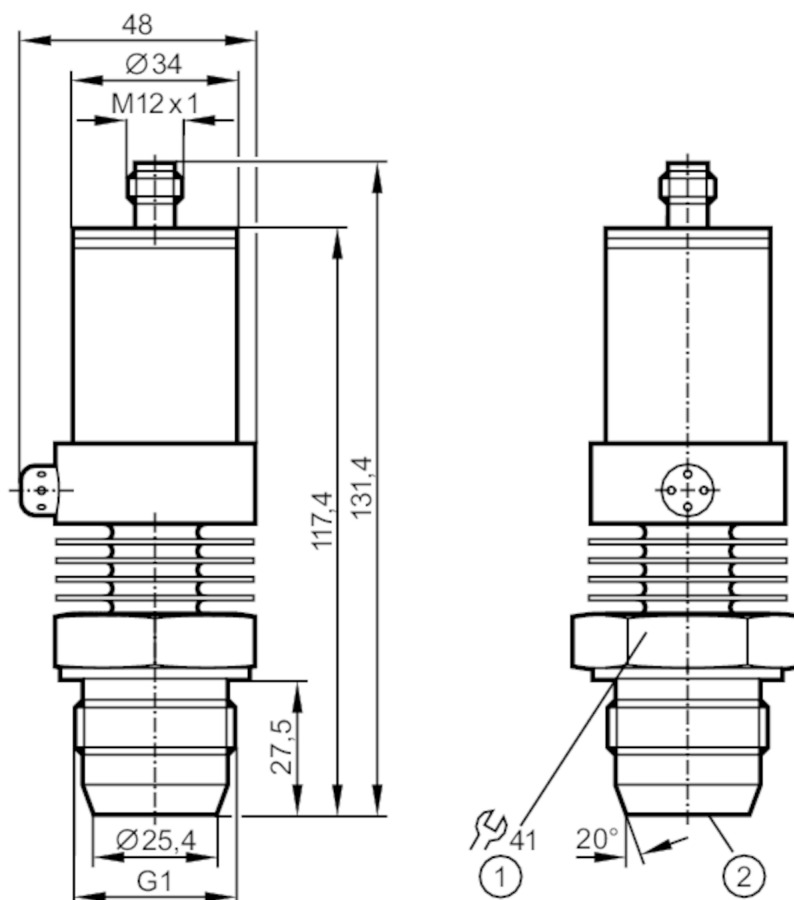
Flush pressure transmitter

PM-025-REA01-E-ZVG/US/ /P

Article no longer available - archive entry

Alternative articles: PM2653

When selecting an alternative article and accessories please note that technical data may differ!



- 1 Tightening torque 20 Nm
2 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 G 1 external thread		

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		



Flush pressure transmitter

PM-025-REA01-E-ZVG/US/ IP

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	[X21]	< ± 0,1; (with temperature fluctuations < 10 K; Turn down 1:1)	
Characteristics deviation	[X21]	< ± 0,6; (Turn down 1:1 , linearity, incl. hysteresis and repeatability , limit value setting to DIN EN IEC 62828-1)	
Linearity deviation	[X21]	< ± 0,5; (Turn down 1:1)	
Hysteresis deviation	[X21]	< ± 0,1; (Turn down 1:1)	
Long-term stability	[X21]	< ± 0,1; (Turn down 1:1; per year)	
Temperature coefficient zero point	[X22]	< ± 0,15; (0...80 °C)	
Temperature coefficient span	[X22]	< ± 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	

PM2663



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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 G 1 external thread

Remarks	
Pack quantity	1 pcs.

Electrical connection

Connector: 1 x M12; coding: A



Connection

