

PL2658

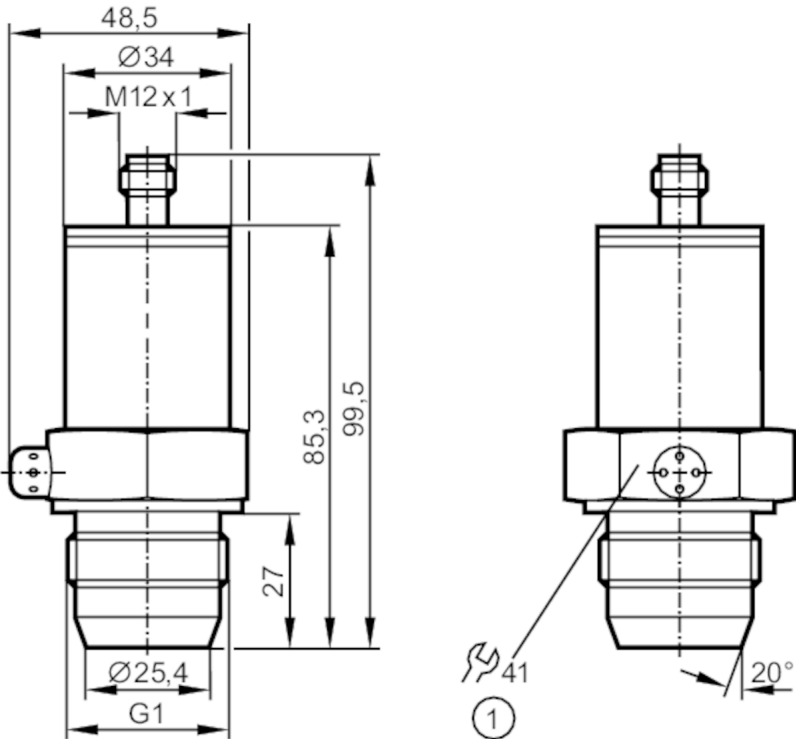


Flush pressure transmitter

PL-,25BREA01-E-ZVG/US/ IP

Article no longer available - archive entry

Alternative articles: PM1608
When selecting an alternative article and accessories please note that technical data may differ!



1 Tightening torque 20 Nm



Product characteristics

Number of inputs and outputs	Number of analogue outputs: 1			
Measuring range	-0.0125...0.25 bar	-12.5...250 mbar	-5...100.4 inH2O	-1.25...25 kPa
Process connection	threaded connection G 1 external thread sealing cone			

Application

Application	flush mountable for the food and beverage industry		
Media	viscous media and liquids with suspended particles; liquids and gases		
Medium temperature [°C]	-25...80		
Min. bursting pressure	30000 mbar	12000 inH2O	3000 kPa
Pressure rating	6000 mbar	2400 inH2O	600 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



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Reverse polarity protection	yes			
Measuring principle	hydrostatic			
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	-0.0125...0.25 bar	-12.5...250 mbar	-5...100.4 inH2O	-1.25...25 kPa
Analogue start point	-12.5...100 mbar	-5...40.2 inH2O		-1.25...10 kPa
Analogue end point	50...250 mbar	20.2...100.4 inH2O		5...25 kPa
In steps of	0.5 mbar	0.2 inH2O		0.05 kPa
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]	< ± 0,1; (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			
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)	

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Mechanical data		
Weight	[g]	388.5
Materials	stainless steel (1.4404 / 316L); PEI; FKM	
Materials (wetted parts)	ceramics (99.9 % Al2O3); stainless steel (1.4435 / 316L); surface characteristics: Ra < 0,4 / Rz 4; PTFE	
Min. pressure cycles	100 million	
Process connection	threaded connection G 1 external thread sealing cone	
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; coding: A



Connection

