

PM2658

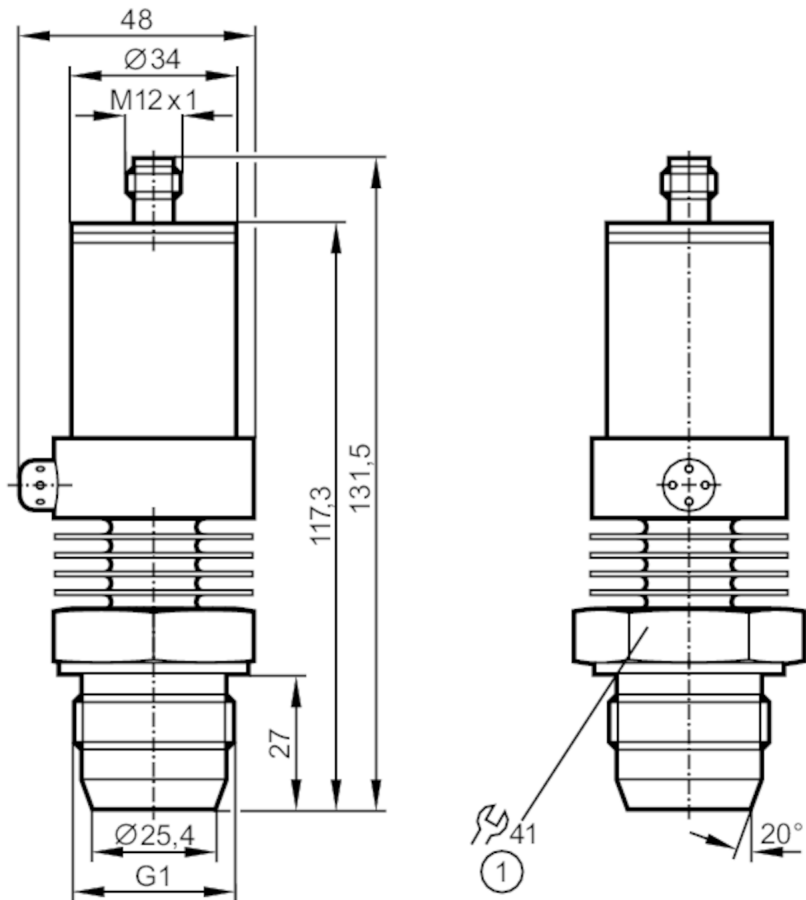


Flush pressure transmitter

PM-,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 analog outputs: 1	
Measuring range	-0.0125...0.25 bar	-12.5...250 mbar
Process connection	threaded connection G 1 external thread sealing cone	

Application

System	gold-plated contacts
Application	flush mountable for the food and beverage industry
Media	viscous media and liquids with suspended particles; liquids and gases
Medium temperature [°C]	-25...125; (145 max. 1h)
Min. bursting pressure [mbar]	30000
Pressure rating [mbar]	6000
Type of pressure	relative pressure
No dead space	yes



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Electrical data		
Operating voltage	[V]	14...30 DC
Min. insulation resistance	[MΩ]	100; (500 V DC)
Protection class		III
Reverse polarity protection		yes
Measuring principle		hydrostatic
Inputs / outputs		
Number of inputs and outputs		Number of analog outputs: 1
Outputs		
Total number of outputs		1
Output signal		analog signal
Number of analog outputs		1
Analog current output	[mA]	4...20
Max. load	[Ω]	550; (U _b = 24 V; (U _b - 13 V) / 20 mA)
Overload protection		yes
Measuring/setting range		
Measuring range		-0.0125...0.25 bar -12.5...250 mbar
Analog start point	[mbar]	-12.5...100
Analog end point	[mbar]	50...250
In steps of	[mbar]	0.5
Factory setting		ASP = 0.0 mbar AEP = 250.0 mbar
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]	< ± 0,1; (0...80 °C)
Temperature coefficient span	[% of the span / 10 K]	< ± 0,4; (0...80 °C)
Reaction times		
Max. response time analog output	[ms]	3
Software / programming		
Parameter setting options		Zero point; span
Interfaces		
Communication interface		EPS

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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)

Mechanical data		
Weight	[g]	531.5
Material		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; Contacts: gold-plated



Connection

