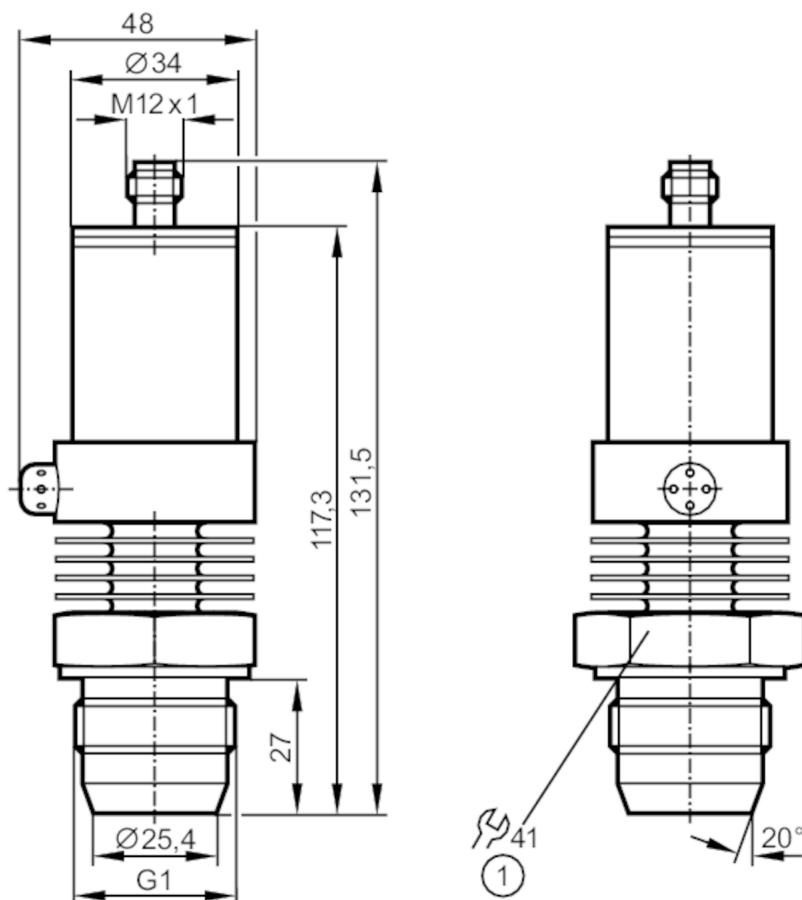


PM2658



Flush pressure transmitter

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



1 Tightening torque 20 Nm



EC 1935/2004 EHEDG Tested FDA

Application

Application	hygienic systems
Media	viscous media and liquids with suspended particles; liquids and gases
Medium temperature [°C]	-25...125; (145 max. 1h)
Pressure rating [mbar]	6000
Min. bursting pressure [mbar]	30000
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
Reverse polarity protection	yes

Inputs / outputs

Number of inputs and outputs	Number of analogue outputs: 1
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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	[mbar]	-12.5...250	
Analogue start point	[mbar]	-12.5...100	
Analogue 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 16086)	
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)	
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)
MTTF	[years]	271

Mechanical data	
Weight	[g] 526.2
Materials	stainless steel (1.4404 / 316L); PEI; FKM
Materials (wetted parts)	ceramics (99.9 % Al2O3); PTFE; stainless steel (1.4435 / 316L); surface characteristics: Ra < 0,4 / Rz 4
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; Contacts: gold-plated



Connection

