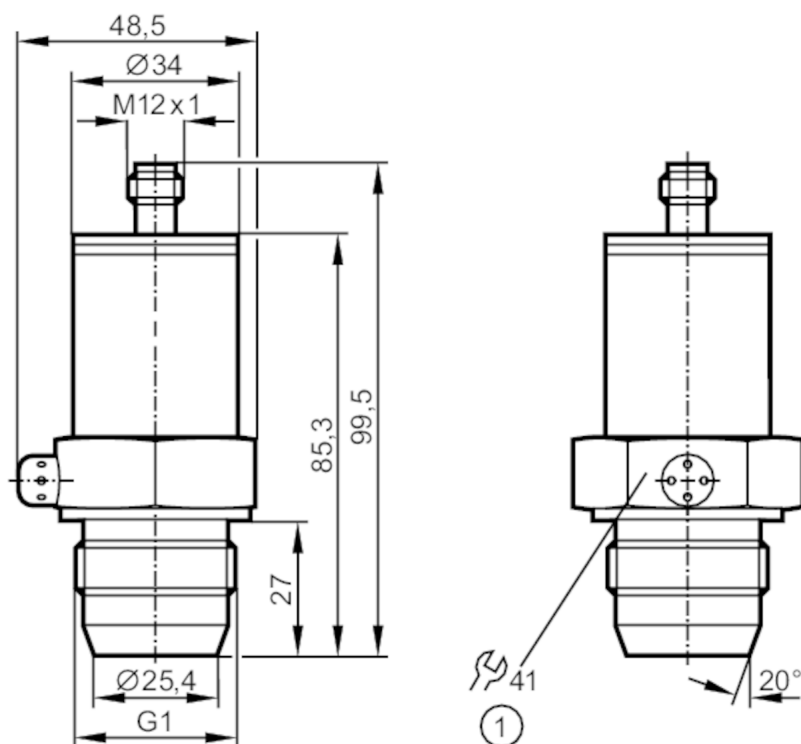


PL2654



Flush pressure transmitter

PL-010-REA01-E-ZVG/US/ /P



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...80		
Pressure rating	50 bar	725 psi	5000 kPa
Min. bursting pressure	150 bar	2175 psi	15000 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
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	-0.5...10 bar	-7...145 psi	-50...1000 kPa
Analogue start point	-0.5...7.49 bar	-7...109 psi	-50...749 kPa
Analogue end point	2...9.99 bar	29...145 psi	200...999 kPa
In steps of	0.01 bar	1 psi	1 kPa
Factory setting		ASP = 0.00 bar	AEP = 9.99 bar
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]	< ± 0,2; (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]	383.4
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

