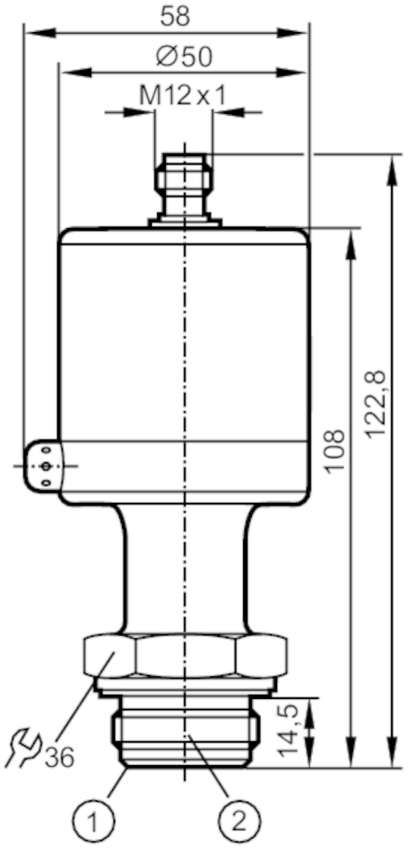
PMP097

Flush pressure transmitter

PMP001-RES30-PRAVG/US/ /L

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1 Aseptoflex sealing edge
2 Aseptoflex thread

3A CE cULus LISTED EHEDG Certified FDA

Product characteristics			
Measuring range		-50...1000 mbar	-0.73...14.5 psi
Process connection		threaded connection Aseptoflex external thread Aseptoflex	
Application			
Special feature		Gold-plated contacts	
Application		suitable for all standard CIP and SIP processes; hygienic systems	
Media		viscous media and liquids with suspended particles; liquids and gases	
Medium temperature	[°C]	-25...125; (145 max. 1h)	
Min. bursting pressure		30000 mbar	435 psi
Pressure rating		10000 mbar	145 psi
Type of pressure		relative pressure	
No dead space		yes	
Electrical data			
Operating voltage	[V]	9...32 DC; (to SELV/PELV)	
Current consumption	[mA]	< 15.6; (max. fault current : 21,8)	
Min. insulation resistance	[MΩ]	100; (500 V DC)	

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Protection class		III	
Reverse polarity protection		yes	
Power-on delay time	[s]	35	
Integrated watchdog		yes	
Outputs			
Overload protection		yes	
Measuring/setting range			
Measuring range		-50...1000 mbar	-0.73...14.5 psi
Accuracy / deviations			
Repeatability	[% of the span]	< ± 0,1; (with temperature fluctuations < 10 K; Turn down 1:1)	
Characteristics deviation	[% of the span]	< ± 0,2; (Turn down 1:1 , linearity, incl. hysteresis and repeatability , limit value setting to DIN EN IEC 62828-1)	
Linearity deviation	[% of the span]	< ± 0,15; (Turn down 1:1)	
Hysteresis deviation	[% of the span]	< ± 0,15; (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]	0,05; (0...70 °C)	
Temperature coefficient span	[% of the span / 10 K]	0,15; (0...70 °C)	
Response times			
Max. measuring/display cycle	[ms]	70	
Software / programming			
Parameter setting options		parameter setting according to PROFIBUS PA profile pressure transmitter, version 3.01; installation and maintenance parameters; zero offset; Damping	
Operating conditions			
Ambient temperature	[°C]	-25...85	
Storage temperature	[°C]	-40...100	
Protection		IP 68; IP 69K	
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 61000-4-5 Surge	0,5/1 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); PTFE; 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	

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Remarks

Remarks	n.c. = not used
	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