

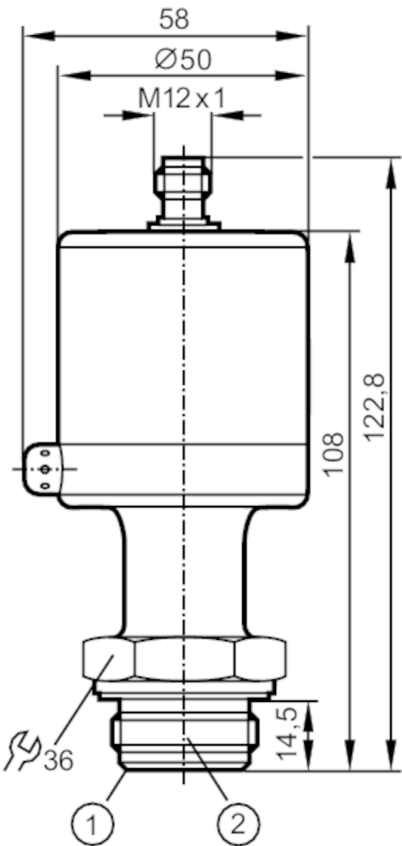
PMP097



Flush pressure transmitter

PMP001-RES30-PRAVG/US/ /L

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- 1 Aseptoflex sealing edge
- 2 Aseptoflex thread



Product characteristics		
Measuring range	-50...1000 mbar	-0.73...14.5 psi
Process connection	threaded connection Aseptoflex external thread Aseptoflex	
Application		
System	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)	
Reaction 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		
Material	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	