

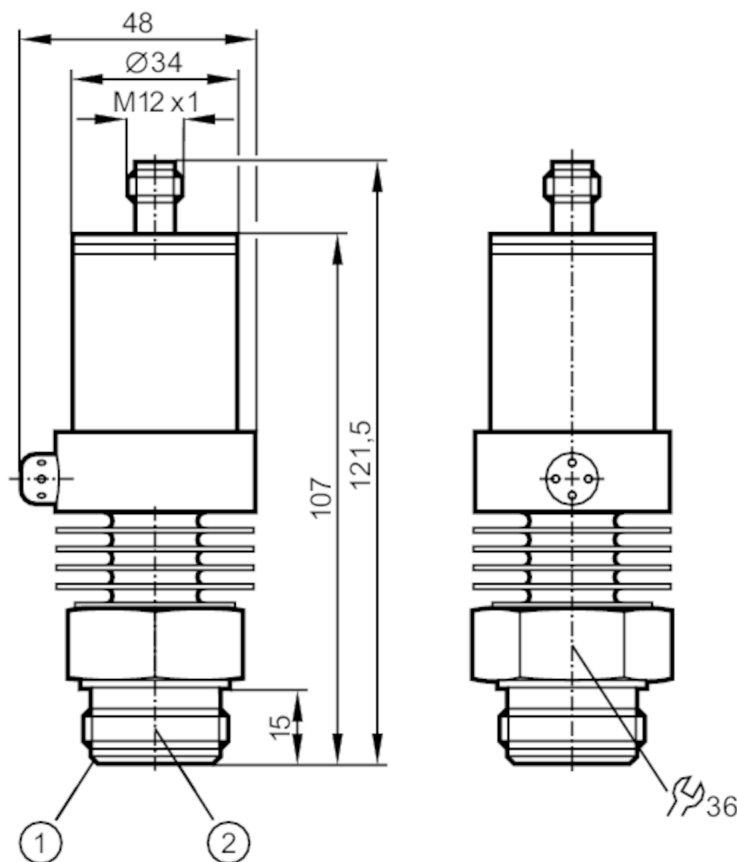
PM2059



Flush pressure transmitter

PM-1-3-RES30-E-ZVG/US/ /P

Article no longer available - archive entry



- 1 Aseptoflex sealing edge
- 2 Aseptoflex thread



Product characteristics

Number of inputs and outputs	Number of analogue outputs: 1		
Measuring range	-1...3 bar	-14.5...43.5 psi	-100...300 kPa
Process connection	threaded connection Aseptoflex external thread Aseptoflex		

Application

Special feature	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	50 bar	725 psi	5000 kPa
Pressure rating	20 bar	290 psi	2000 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)		



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Protection class	III		
Reverse polarity protection	yes		
Inputs / outputs			
Number of inputs and outputs	Number of analogue outputs: 1		
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	-1...3 bar	-14.5...43.5 psi	-100...300 kPa
Analogue start point	-1...0.6 bar	-14.5...8.7 psi	-100...60 kPa
Analogue end point	0...3 bar	0...43.5 psi	0...300 kPa
In steps of	0.01 bar	0.1 psi	1 kPa
Accuracy / deviations			
Repeatability [X21]	< ± 0,1; (with temperature fluctuations < 10 K; Turn down 1:1)		
Characteristics deviation [X21]	< ± 0,6; (Turn down 1:1 , linearity, incl. hysteresis and repeatability , limit value setting to DIN EN IEC 62828-1)		
Linearity deviation [X21]	< ± 0,5; (Turn down 1:1)		
Hysteresis deviation [X21]	< ± 0,1; (Turn down 1:1)		
Long-term stability [X21]	< ± 0,1; (Turn down 1:1; per year)		
Temperature coefficient zero point [X22]	< ± 0,1; (0...80 °C)		
Temperature coefficient span [X22]	< ± 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		
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)	

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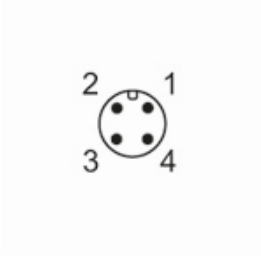
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Mechanical data	
Materials	stainless steel (1.4404 / 316L); PEI; FKM
Materials (wetted parts)	ceramics (99.9 % Al2O3); PTFE; stainless steel (1.4435 / 316L); surface characteristics: Ra < 0,4 / Rz 4
Min. pressure cycles	100 million
Process connection	threaded connection Aseptoflex external thread Aseptoflex

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

