

PM2056



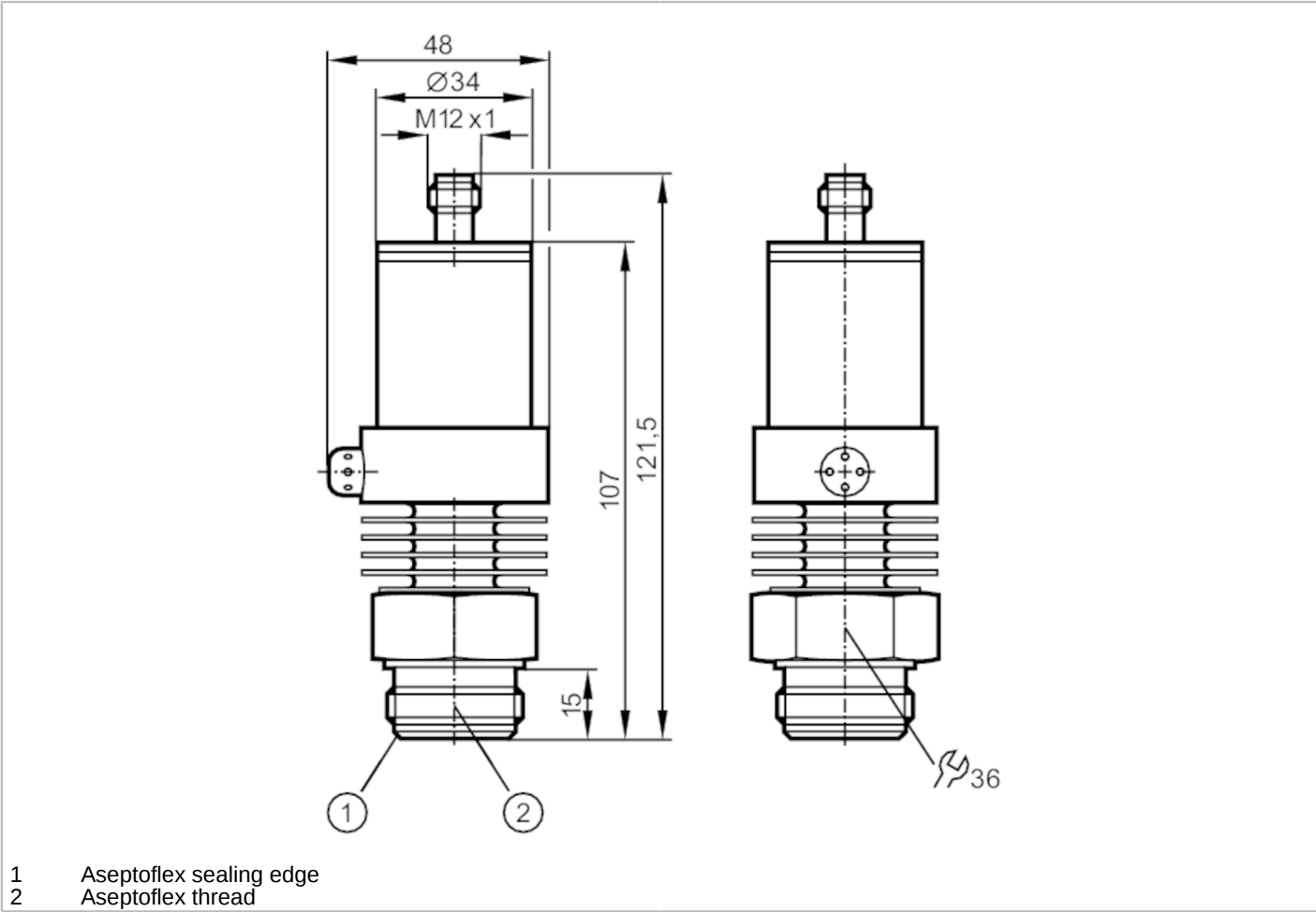
Flush pressure transmitter

PM-2,5-RES30-E-ZVG/US/ /P

Article to be discontinued
Discontinuation date: 03/31/2024

Alternative articles: PI1005 or PM1706
When selecting an alternative article and accessories please note that technical data may differ!

Please do not use for new projects.
no more adapters available as accessories



EC 1935/2004 EHEDG Tested FCM

Product characteristics

Number of inputs and outputs	Number of analog outputs: 1			
Measuring range	-0.13...2.5 bar	-130...2500 mbar	-1.8...36.3 psi	-13...250 kPa
Process connection	threaded connection Aseptoflex external thread Aseptoflex			

Application

System	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



Flush pressure transmitter

PM-2,5-RES30-E-ZVG/US/ /P

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			
Measuring principle	hydrostatic			
Inputs / outputs				
Number of inputs and outputs	Number of analog outputs: 1			
Outputs				
Total number of outputs	1			
Output signal	analog signal			
Number of analog outputs	1			
Analog 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	-0.13...2.5 bar	-130...2500 mbar	-1.8...36.3 psi	-13...250 kPa
Analog start point	-0.13...1.88 bar	-1.8...27.2 psi	-13...188 kPa	
Analog end point	0.5...2.5 bar	7.3...36.3 psi	50...250 kPa	
In steps of	0.01 bar	0.1 psi	1 kPa	
Factory setting		ASP = 0.0 bar	AEP = 2.50 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 EN IEC 62828-1)			
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)			
Reaction times				
Max. response time analog output [ms]	3			
Software / programming				
Parameter setting options	Zero point; span			
Interfaces				
Communication interface	EPS			

PM2056



Flush pressure transmitter

PM-2,5-RES30-E-ZVG/US/ /P

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	1 GHz / Accuracy < 2,5%
	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]	472
Material		stainless steel (1.4404 / 316L); PEI; FKM
Materials (wetted parts)		ceramics (99.9 % Al ₂ O ₃); stainless steel (1.4404 / 316L); surface characteristics: Ra < 0,4 / Rz 4; PTFE
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.
Notes	Please do not use for new projects.; no more adapters available as accessories
Pack quantity	1 pcs.

Electrical connection

Connector: 1 x M12; coding: A; Contacts: gold-plated



Connection

