PL2058

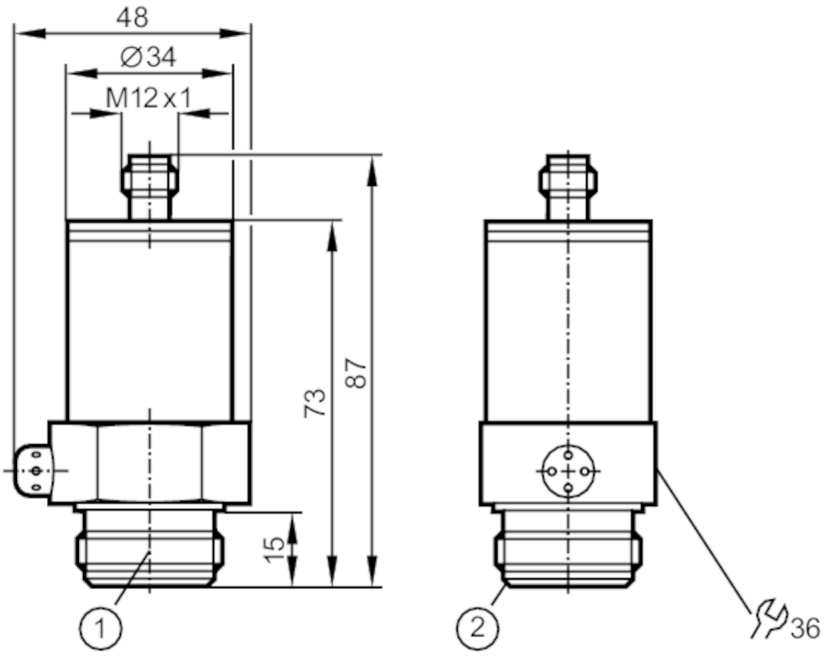
Flush pressure transmitter

PL-,25BRES30-E-ZVG/US/ /P

phase-out article

Alternative articles: PI1008 or PM1708
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



1 Aseptoflex thread
2 Aseptoflex sealing edge

3A CE cULus LISTED EC 1935/2004 FCM CN FCM JP FDA Hygienic Cleanable UKCA

Product characteristics			
Number of inputs and outputs	Number of analogue outputs: 1		
Measuring range	-0.0125...0.25 bar	-12.5...250 mbar	-1.25...25 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...80		
Min. burst pressure	30000 mbar	3 MPa	
Pressure rating	6000 mbar	1 MPa	
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		

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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		-0.0125...0.25 bar	-12.5...250 mbar	-1.25...25 kPa
Analogue start point		-12.5...100 mbar	-1.25...10 kPa	
Analogue end point		50...250 mbar	5...25 kPa	
In steps of		0.5 mbar	0.05 kPa	
Factory setting			ASP = 0.0 mbar	AEP = 250.0 mbar
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]	< ± 0,4; (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	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]	318.5
Housing		cylindrical
Dimensions	[mm]	Ø 34 / L = 87
Materials		stainless steel (316L/1.4404); PEI; FKM
Materials (wetted parts)		ceramics (99.9 % Al2O3); stainless steel (316L/1.4435) surface characteristics: Ra < 0,4 µm / Rz = 4 µm; 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: 4, gold-plated



Connection

