

PL2058



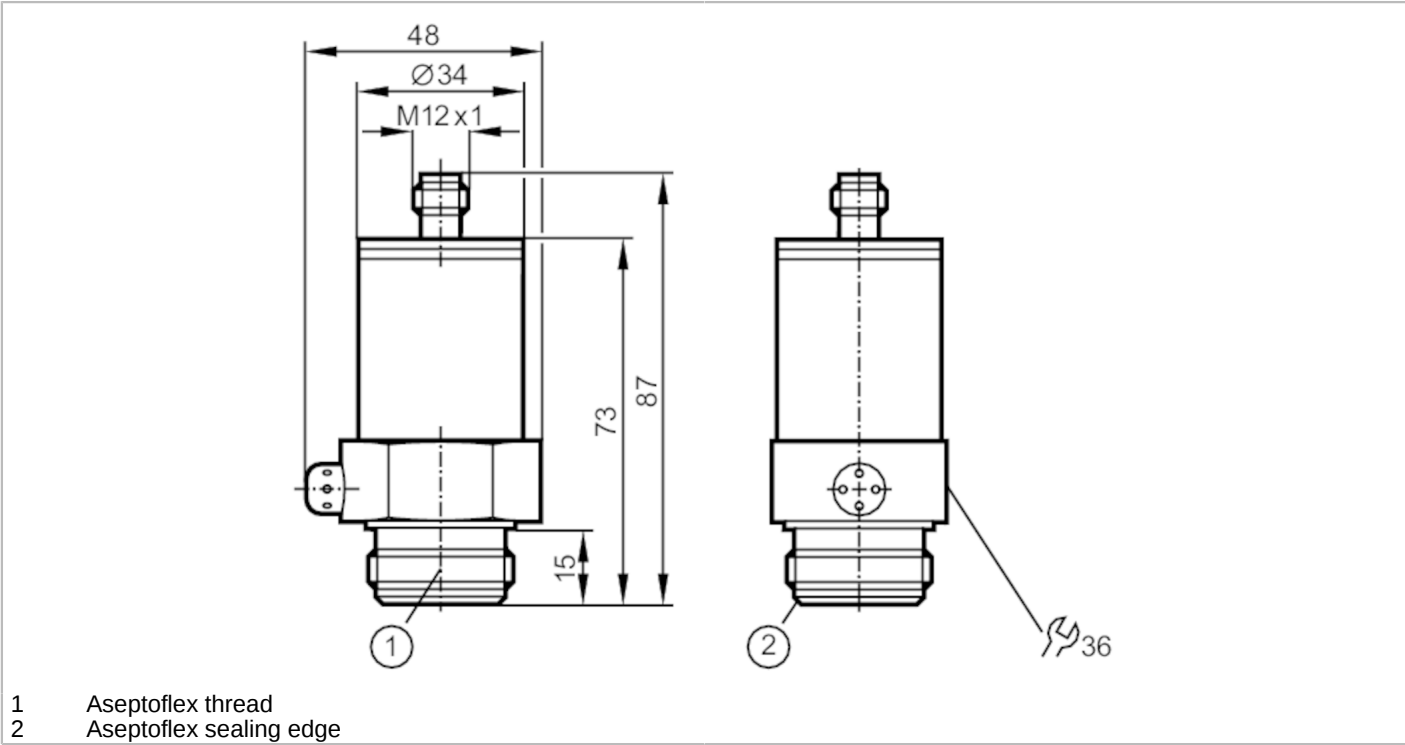
Flush pressure transmitter

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

phase-out article
Discontinuation date: 03/31/2024

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



Product characteristics		
Number of inputs and outputs	Number of analogue outputs: 1	
Measuring range	-0.0125...0.25 bar	-12.5...250 mbar
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. bursting pressure [mbar]	30000	
Pressure rating [mbar]	6000	
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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PL-,25BRES30-E-ZVG/US/ IP

Protection class	III		
Reverse polarity protection	yes		
Measuring principle	hydrostatic		
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	
Analogue start point [mbar]	-12.5...100		
Analogue end point [mbar]	50...250		
In steps of [mbar]	0.5		
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
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 / 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

