

PL2058



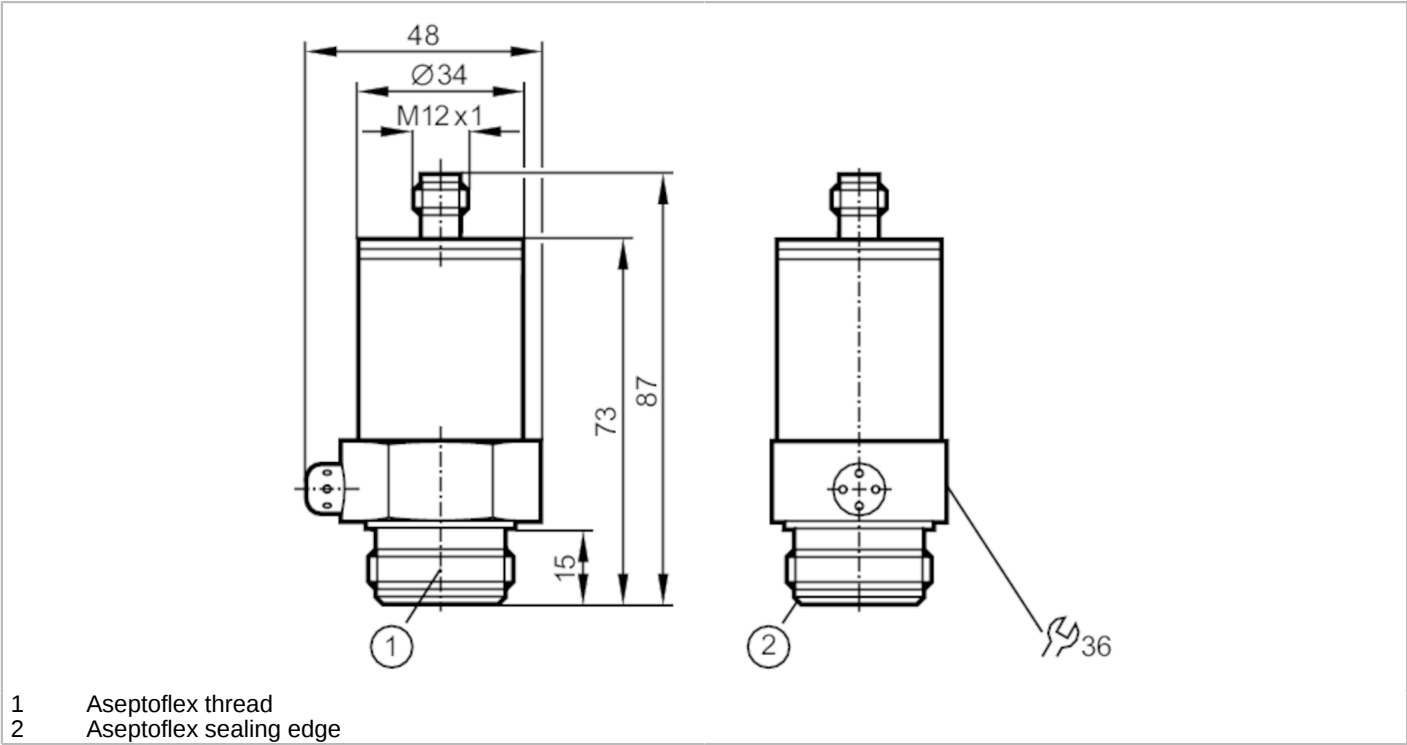
Flush pressure transmitter

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

Article to be discontinued
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 analog outputs: 1	
Measuring range	-0.0125...0.25 bar	-12.5...250 mbar
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...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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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	-0.0125...0.25 bar	-12.5...250 mbar	
Analog start point [mbar]	-12.5...100		
Analog 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)		
Reaction times			
Max. response time analog 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
Material	stainless steel (1.4404 / 316L); PEI; FKM	
Materials (wetted parts)	ceramics (99.9 % Al2O3); stainless steel (1.4435 / 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

