

PL2058



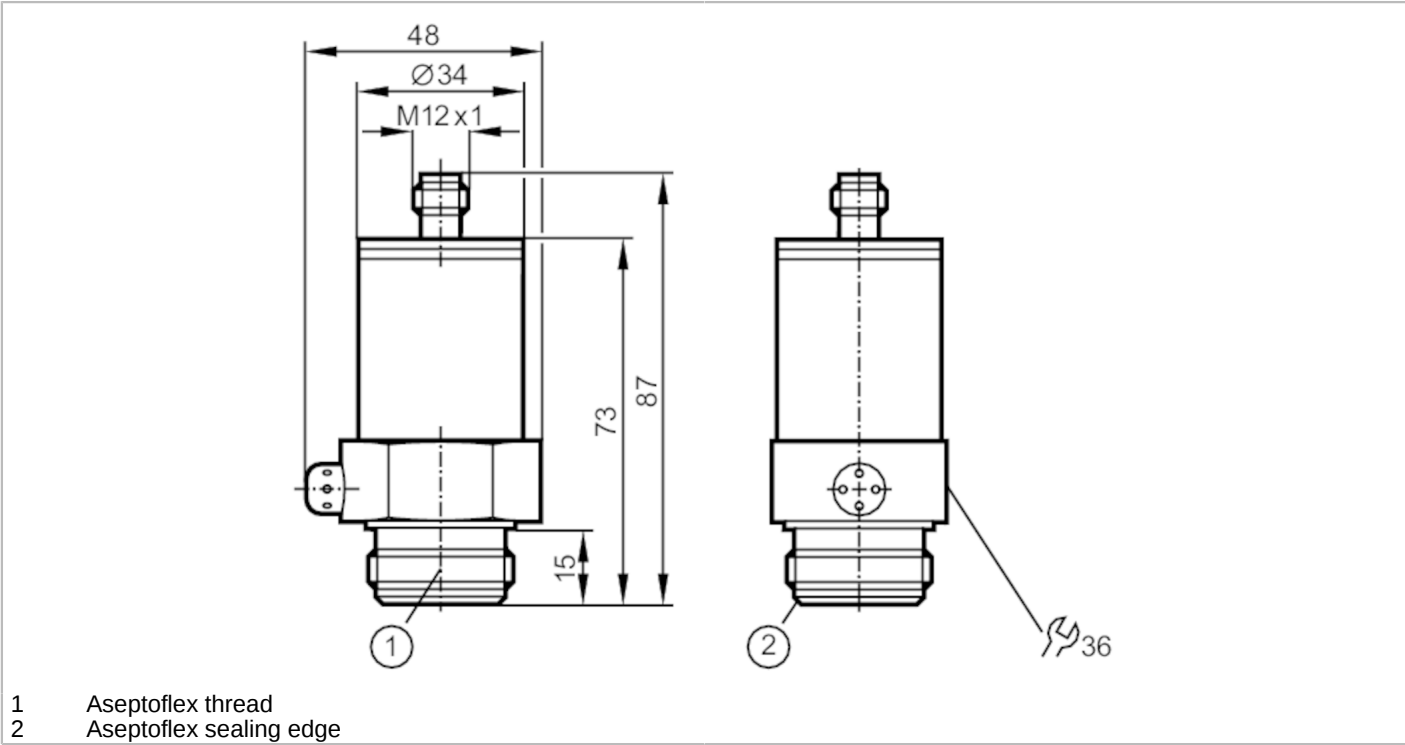
Flush pressure transmitter

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



EC 1935/2004 EHEDG Tested FCM FDA UK CA

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)	



Flush pressure transmitter

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

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 [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]	< ± 0,4; (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		
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	

PL2058



Flush pressure transmitter

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

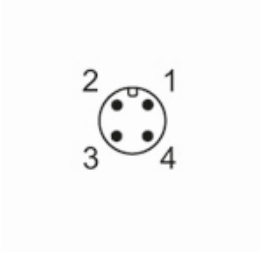
Shock resistance	DIN IEC 68-2-27	50 g (11 ms)
Vibration resistance	DIN IEC 68-2-6	20 g (10...2000 Hz)
MTTF	[ANN]	271

Mechanical data		
Weight	[g]	318.5
Materials	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

