

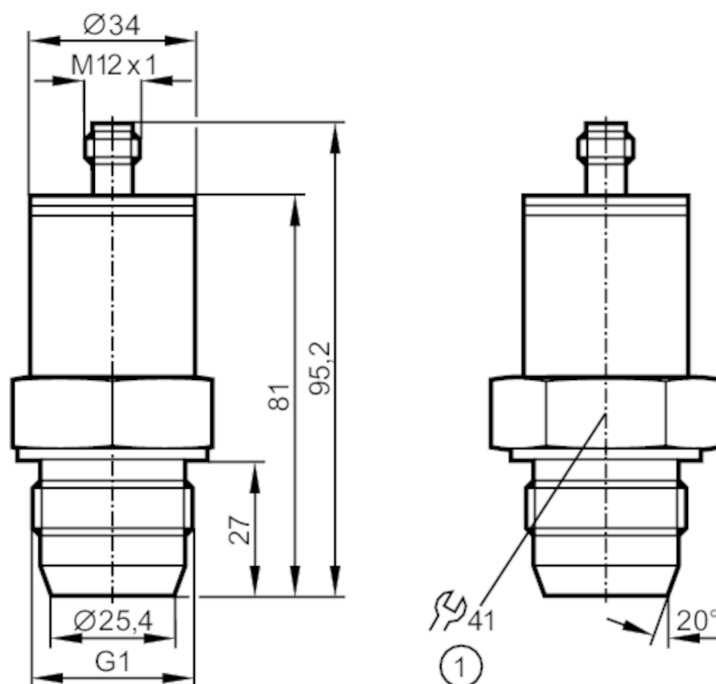
Flush pressure transmitter

PL-100-SEA01-E-ZVG/US/ /P

Article no longer available - archive entry

Alternative articles: PM1602

When selecting an alternative article and accessories please note that technical data may differ!



1 Tightening torque 20 Nm



EC 1935/2004 EHEDG Tested



Product characteristics

Number of inputs and outputs	Number of analog outputs: 1		
Measuring range	-1...100 bar	-10...1450 psi	-0.1...10 MPa
Process connection	threaded connection G 1 external thread sealing cone		

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		
Conditionally suitable for	use in gases at pressures > 25 bar only on request		
Medium temperature [°C]	-25...80		
Min. bursting pressure	650 bar	9425 psi	65 MPa
Pressure rating	200 bar	2900 psi	20 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 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	-1...100 bar	-10...1450 psi	-0.1...10 MPa
Analog start point	-1...75 bar	-10...1090 psi	-0.1...7.5 MPa
Analog end point	24...100 bar	350...1450 psi	2.4...10 MPa
In steps of	0.1 bar	10 psi	0.01 MPa
Factory setting		ASP = 0.0 bar	AEP = 100.0 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		
Operating conditions			
Ambient temperature [°C]	-25...80		
Storage temperature [°C]	-40...100		
Protection	IP 67		

PL2652



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Tests / approvals		
EMC	EN 61000-4-2 ESD	4 kV CD / 8 kV AD
	EN 61000-4-3 HF radiated	10 V/m
	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)

Mechanical data		
Weight	[g]	353
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 G 1 external thread sealing cone	

Remarks	
Remarks	The 3-A qualification is only valid if adapters with 3-A qualification are used for installation.
Pack quantity	1 pcs.

Electrical connection

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



Connection

