

Flush pressure transmitter

PL-010-RES30-A-ZVG/US/ /P

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Alternative articles: PL2054

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



- 1 Aseptoflex thread
- 2 Aseptoflex sealing edge



Product characteristics

Number of inputs and outputs	Number of analogue outputs: 1
Measuring range [bar]	0...10
Process connection	threaded connection Aseptoflex external thread Aseptoflex

Application

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 [bar]	150
Pressure rating [bar]	50
Type of pressure	relative pressure
No dead space	yes

Electrical data

Operating voltage [V]	10.8...30 DC
Min. insulation resistance [MΩ]	100; (500 V DC)
Protection class	III
Reverse polarity protection	yes

Inputs / outputs

Number of inputs and outputs	Number of analogue outputs: 1
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Outputs		
Total number of outputs		1
Output signal		analogue signal
Number of analogue outputs		1
Analogue current output [mA]		4...20
Max. load [Ω]		660; ($U_b = 24 \text{ V}$; ($U_b - 10,8 \text{ V}$) / 20 mA)
Overload protection		yes
Measuring/setting range		
Measuring range [bar]		0...10
Accuracy / deviations		
Repeatability [% of the final value]		< 0,1; (with temperature fluctuations < 10 K)
Characteristics deviation [% of the final value]		< $\pm 1,0$; (incl. linearity, zero and span error (limit value setting))
Temperature drift per 10 K		< $\pm 0,3$
Response times		
Max. response time analogue output [ms]		3
Operating conditions		
Ambient temperature [$^{\circ}\text{C}$]		-25...80
Storage temperature [$^{\circ}\text{C}$]		-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	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		
Materials		PA; PBT; stainless steel (316L/1.4404)
Materials (wetted parts)		ceramics; PTFE; stainless steel (316L/1.4404)
Min. pressure cycles		100 million
Process connection		threaded connection Aseptoflex external thread Aseptoflex
Remarks		
Pack quantity		1 pcs.

PL3054



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Electrical connection

Connector: 1 x M12; coding: A



Connection

