

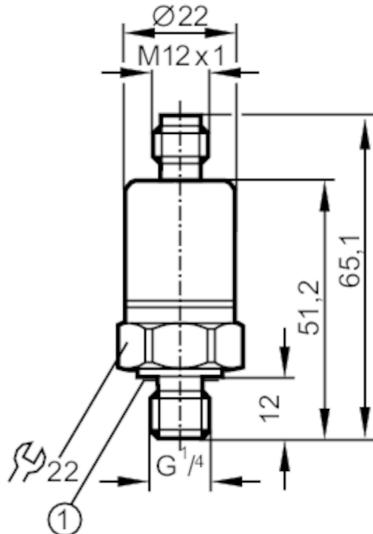
## Pressure transmitter

PT-010-RBG14-B-DVG/US/ /W

phase-out article

Alternative articles: PU5404

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



1 Sealing  
Tightening torque 25 Nm



## Product characteristics

Number of inputs and outputs	Number of analogue outputs: 1		
Measuring range	0...10 bar	0...145 psi	0...1000 kPa
Process connection	threaded connection G 1/4 external thread		

## Application

Application	for industrial applications		
Media	liquids and gases		
Medium temperature [°C]	-25...90		
Min. bursting pressure	300 bar	4350 psi	30 MPa
Pressure rating	25 bar	362 psi	2.5 MPa
Type of pressure	relative pressure		

## Electrical data

Operating voltage [V]	16...36 DC		
Current consumption [mA]	< 6		
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		
Total number of outputs	1		

# PT9544



## Pressure transmitter

PT-010-RBG14-B-DVG/US/ /W

Output signal	analogue signal		
Number of analogue outputs	1		
Analogue voltage output [V]	0...10		
Min. load resistance [ $\Omega$ ]	2000		
<b>Measuring/setting range</b>			
Measuring range	0...10 bar	0...145 psi	0...1000 kPa
<b>Accuracy / deviations</b>			
Repeatability [% of the span]	< $\pm$ 0,1; (with temperature fluctuations < 10 K)		
Characteristics deviation [% of the span]	< $\pm$ 1,0; (incl. drift when overtightened, zero point and span error)		
Linearity deviation [% of the span]	< $\pm$ 0,25 (BFSL) / < $\pm$ 0,5 (LS)		
Hysteresis deviation [% of the span]	< $\pm$ 0,2		
Long-term stability [% of the span]	< $\pm$ 0,1; (per 6 months)		
Temperature coefficient zero point [% of the span / 10 K]	< $\pm$ 0,1; (-25...90 °C)		
Temperature coefficient span [% of the span / 10 K]	< $\pm$ 0,1; (-25...90 °C)		
<b>Response times</b>			
Step response time analogue output [ms]	3		
<b>Operating conditions</b>			
Ambient temperature [°C]	-25...90		
Storage temperature [°C]	-40...100		
Protection	IP 67; IP 69K		
<b>Tests / approvals</b>			
EMC	EN 61000-4-2 ESD EN 61000-4-3 HF radiated EN 61000-4-4 Burst EN 61000-4-5 Surge EN 61000-4-6 HF conducted	4 kV CD / 8 kV AD 10 V/m 4 kV coupling clamp 1 kV signal for DC units 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]	1116		
Pressure Equipment Directive	Sound engineering practice; can be used for group 2 fluids; group 1 fluids on request		
<b>Mechanical data</b>			
Weight [g]	85		
Materials	stainless steel (316L/1.4404); PA		
Materials (wetted parts)	stainless steel (316L/1.4404); FKM		
Min. pressure cycles	50 million		
Process connection	threaded connection G 1/4 external thread		
Restrictor element integrated	no (can be retrofitted)		

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### Remarks

Remarks

BFSL = Best Fit Straight Line

LS = limit value setting

Pack quantity

1 pcs.

### Electrical connection

Connector: 1 x M12; coding: A



### Connection

