

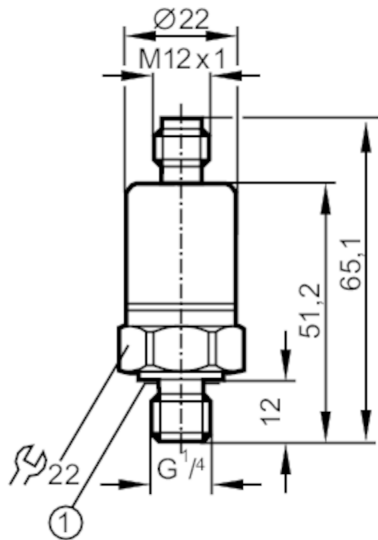


Pressure transmitter

PT-010-RBG14-A-ZVG/US/ IW

Status Archive

PT5414



- 1 Sealing
Tightening torque 25 Nm



Application		
Application		for industrial applications
Media		liquids and gases
Medium temperature	[°C]	-25...90
Pressure rating	[bar]	25
Min. bursting pressure	[bar]	300
Type of pressure		relative pressure
Electrical data		
Operating voltage	[V]	8.5...36 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
Outputs		
Total number of outputs		1
Output signal		analogue signal
Number of analogue outputs		1
Analogue current output	[mA]	4...20
Max. load	[Ω]	775; (Ub = 24 V; (Ub - 8,5 V) / 20 mA)
Measuring/setting range		
Measuring range	[bar]	0...16



Pressure transmitter

PT-010-RBG14-A-ZVG/US/ /W

Accuracy / deviations		
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)
Response times		
Step response time analogue output	[ms]	3
Operating conditions		
Ambient temperature	[°C]	-25...90
Storage temperature	[°C]	-40...100
Protection		IP 67; IP 69K
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	4 kV coupling clamp
	EN 61000-4-5 Surge	1 kV signal for DC units
	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]	968
Mechanical data		
Weight	[g]	76.4
Materials		stainless steel (1.4404 / 316L); PA
Materials (wetted parts)		stainless steel (1.4404 / 316L); Sealing: FKM
Min. pressure cycles		50 million
Process connection		threaded connection G 1/4 external thread
Remarks		
Remarks		BFSL = Best Fit Straight Line LS = limit value setting
Pack quantity		1 pcs.
Electrical connection		
Connector: 1 x M12		

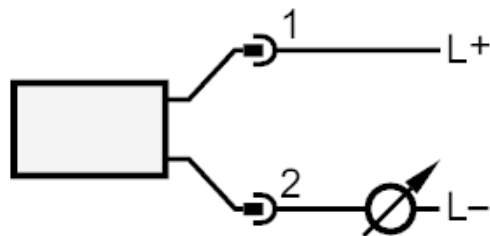
PC3504

Pressure transmitter

PT-010-RBG14-A-ZVG/US/ /W



Connection



Status Archive

PT5414