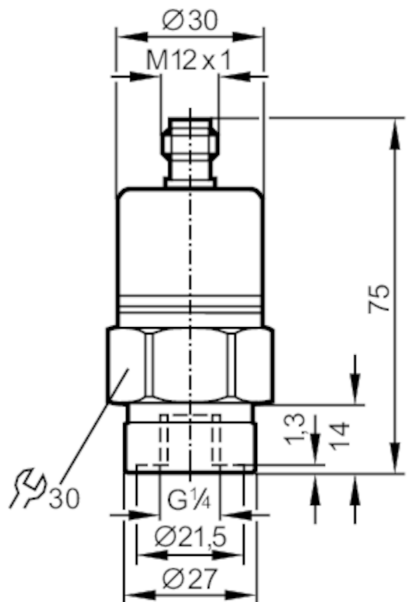


PA9028



Pressure transmitter with ceramic measuring cell

PA-,25BRBR14-B-DVG/US/V



Product characteristics				
Number of inputs and outputs	Number of analogue outputs: 1			
Measuring range	0...0.25 bar	0...250 mbar	0...100.3 inH2O	0...25 kPa
Process connection	threaded connection G 1/4 internal thread			
Application				
Special feature	Gold-plated contacts			
Application	for industrial applications			
Media	liquids and gases			
Medium temperature	[°C] -25...90; (on request: -40...90 °C)			
Min. bursting pressure	30000 mbar	12030 inH2O	3000 kPa	
Pressure rating	6000 mbar	2400 inH2O	600 kPa	
Type of pressure	relative pressure			
Electrical data				
Operating voltage	[V]	16...32 DC		
Current consumption	[mA]	< 18		
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			



Pressure transmitter with ceramic measuring cell

PA-,25BRBR14-B-DVG/US/V

Analogue voltage output	[V]	0...10
Min. load resistance	[Ω]	2000
Overload protection		yes
Measuring/setting range		
Measuring range	0...0.25 bar	0...250 mbar
		0...100.3 inH ₂ O
		0...25 kPa
Accuracy / deviations		
Repeatability	[X21]	< 0,1; (with temperature fluctuations < 10 K)
Characteristics deviation	[X21]	< ± 0,25 (BFSL) / < ± 0,5 (LS); (BFSL = Best Fit Straight Line; LS = limit value setting)
Long-term stability	[X21]	< ± 0,05; (per 6 months)
Temperature coefficient zero point	[X22]	0,2; (0...80 °C)
Temperature coefficient span	[X22]	0,3; (0...80 °C)
Response times		
Step response time analogue output	[ms]	3
Operating conditions		
Ambient temperature	[°C]	-25...80
Storage temperature	[°C]	-40...100
Protection		IP 65
Tests / approvals		
EMC	EN 61000-4-2 ESD	4 kV CD / 8 kV AD
	EN 61000-4-3 HF radiated	30 V/m
	EN 61000-4-4 Burst	2 kV
	EN 61000-4-6 HF conducted	10 V
	radiation of interference	according to the automotive directive 2004/104/EC
	CISPR 25	
	immunity	according to the automotive directive 2004/104/EC
	ISO 11452-2 HF radiated	100 V/m
Shock resistance	ISO 7637-2 pulse	severity level 4
	DIN EN 60068-2-27	50 g (11 ms)
	DIN EN 61373	category 3
Vibration resistance	DIN EN 60068-2-6	20 g (10...2000 Hz)
	DIN EN 61373	category 2
MTTF	[ANN]	485
Pressure Equipment Directive	Sound engineering practice; can be used for group 2 fluids; group 1 fluids on request	
Railway applications	DIN EN 50155 / IEC 60571	Klasse T3, C1, S1
Mechanical data		
Weight	[g]	222
Materials	stainless steel (1.4404 / 316L); FKM; PA; EPDM/X	
Materials (wetted parts)	stainless steel (1.4305 / 303); ceramics; FKM	
Min. pressure cycles	100 million	
Process connection	threaded connection G 1/4 internal thread	
Restrictor element integrated	no (can be retrofitted)	

PA9028



Pressure transmitter with ceramic measuring cell

PA-,25BRBR14-B-DVG/US/V

Remarks

Pack quantity

1 pcs.

Electrical connection

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



Connection

