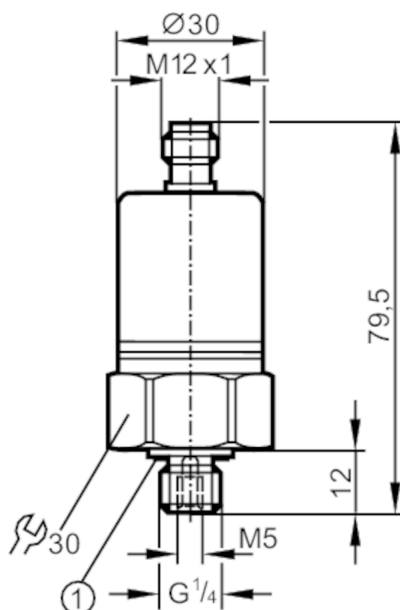


PA-010-RBG14-A-ZVG/US/ IV



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Pressure transmitter with ceramic measuring cell

PA-010-RBG14-A-ZVG/US/ IV

Accuracy / deviations		
Repeatability	[% of the span]	< 0,1; (with temperature fluctuations < 10 K)
Characteristics deviation	[% of the span]	< ± 0,25 (BFSL) / < ± 0,5 (LS); (BFSL = Best Fit Straight Line; LS = limit value setting)
Long-term stability	[% of the span]	< ± 0,05; (per 6 months)
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)
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	
	noise immunity	according to the automotive directive 2004/104/EC
	ISO 11452-2 HF radiated	100 V/m
	ISO 7637-2 pulse	severity level 4
	DIN EN 60068-2-27	50 g (11 ms)
Shock resistance	DIN EN 61373	category 3
Vibration resistance	DIN EN 60068-2-6	20 g (10...2000 Hz)
	DIN EN 61373	category 2
MTTF	[years]	506
Railway applications	DIN EN 50155 / IEC 60571	Klasse T3, C1, S1
Mechanical data		
Weight	[g]	216.5
Materials		stainless steel (1.4404 / 316L); FKM; PA; EPDM/X
Materials (wetted parts)		stainless steel (1.4305 / 303); ceramics; Sealing: FKM DIN 3869-14
Min. pressure cycles		100 million
Process connection		threaded connection G 1/4 external thread internal thread M5
Remarks		
Pack quantity		1 pcs.
Electrical connection		
Connector: 1 x M12; Contacts: gold-plated		

PA3524



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Connection

