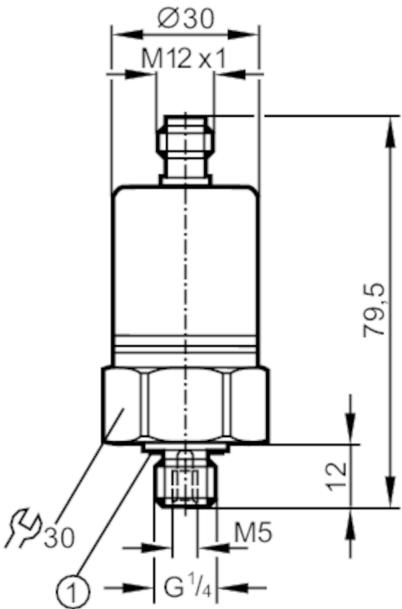


# PX3524



## Pressure transmitter with ceramic measuring cell

PA-1-10RBG14-A-ZVG/US/ IV



1 sealing



### Product characteristics

Output signal	analog signal
Measuring range [bar]	-1...10
Process connection	threaded connection G 1/4 external thread Internal thread:M5

### Application

System	gold-plated contacts
Application	for industrial applications
Media	liquids and gases
Medium temperature [°C]	-25...90; (on request: -40...90 °C)
Min. bursting pressure [bar]	150
Pressure rating [bar]	75
Type of pressure	relative pressure; vacuum

### Electrical data

Operating voltage [V]	9.6...32 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 analog outputs: 1
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## Pressure transmitter with ceramic measuring cell

PA-1-10RBG14-A-ZVG/US/ IV

Outputs		
Total number of outputs		1
Output signal		analog signal
Number of analog outputs		1
Analog current output [mA]		4...20
Max. load [ $\Omega$ ]		720; ( $U_b = 24 \text{ V}$ ; ( $U_b - 9,6 \text{ V}$ ) / 20 mA)
Overload protection		yes
Measuring/setting range		
Measuring range [bar]		-1...10
Accuracy / deviations		
Repeatability [% of the span]		< 0,1; (with temperature fluctuations < 10 K)
Characteristics deviation [% of the span]		< $\pm 0,25$ (BFSL) / < $\pm 0,5$ (LS); (BFSL = Best Fit Straight Line; LS = limit value setting)
Long-term stability [% of the span]		< $\pm 0,05$ ; (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)
Reaction times		
Step response time analog 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
	pulse resistance	ISO 7637-2 / severity level 3
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]		555
Pressure equipment directive		sound engineering practice; can be used for group 2 fluids; group 1 fluids on request

PX3524



Pressure transmitter with ceramic measuring cell

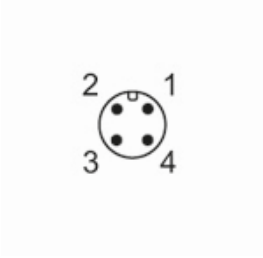
PA-1-10RBG14-A-ZVG/US/ IV

Mechanical data		
Weight	[g]	218
Material	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	
Restrictor element integrated	no (can be retrofitted)	

Remarks		
Pack quantity	1 pcs.	

Electrical connection

Connector: 1 x M12; Contacts: gold-plated



Connection

