PC7020

Pressure transmitter

PC-400-SBR14-QFPKG/US/ /V

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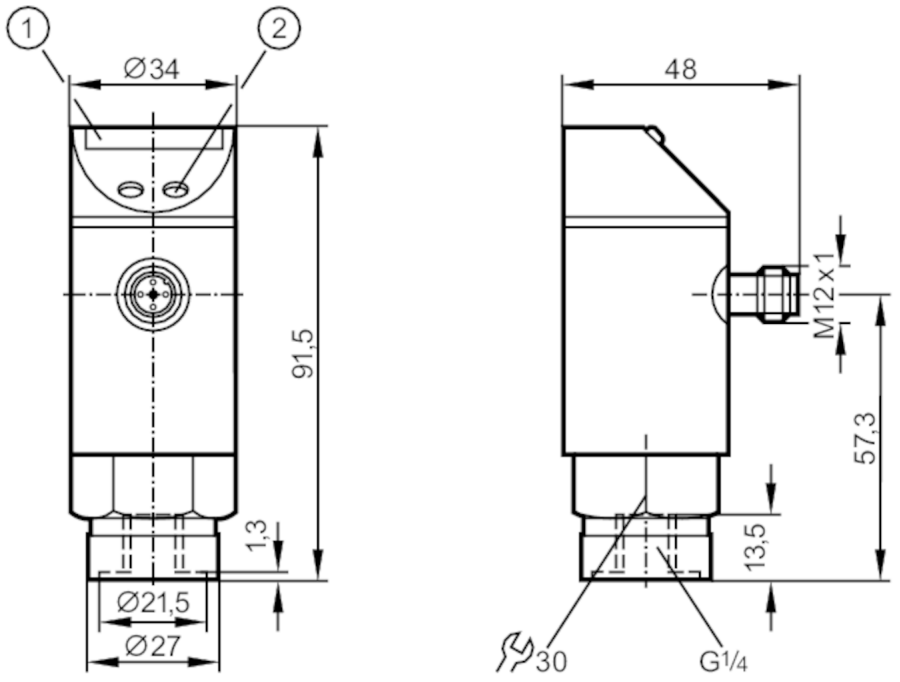

1 LED display
2 Programming button

CE

Product characteristics		
Number of inputs and outputs		Number of digital outputs: 2
Measuring range	[bar]	0...400
Process connection		threaded connection G 1/4 Internal thread
Application		
Application		for industrial applications
Media		liquids and gases
Conditionally suitable for		For gaseous media the application is limited to max. 25 bar.
Medium temperature	[°C]	-25...80
Min. bursting pressure	[bar]	1000
Pressure rating	[bar]	600
Type of pressure		relative pressure
Electrical data		
Operating voltage	[V]	18...30 DC
Current consumption	[mA]	< 50
Protection class		III
Reverse polarity protection		yes
Power-on delay time	[s]	0.2
Integrated watchdog		yes

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Inputs / outputs			
Number of inputs and outputs		Number of digital outputs: 2	
Outputs			
Total number of outputs		2	
Output signal		switching signal	
Electrical design		PNP	
Number of digital outputs		2	
Output function		normally open / closed; (configurable)	
Max. voltage drop switching output DC	[V]	2	
Permanent current rating of switching output DC	[mA]	250	
Switching frequency DC	[Hz]	5	
Short-circuit protection		yes	
Type of short-circuit protection		yes (non-latching)	
Overload protection		yes	
Measuring/setting range			
Measuring range	[bar]	0...400	
Set point SP	[bar]	20...400	
In steps of	[bar]	4	
Hysteresis	[bar]	8	
Accuracy / deviations			
Switch point accuracy [% of the final value]		< ± 2,0	
Repeatability [% of the final value]		< ± 0,25; (with temperature fluctuations < 10 K)	
Temperature drift per 10 K		< ± 0.3	
Software / programming			
Adjustment of the switch point		Programming button	
Operating conditions			
Ambient temperature	[°C]	-25...80	
Storage temperature	[°C]	-40...100	
Protection		IP 67	
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	2 kV
		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)
Mechanical data			
Material		brass nickel-plated; PBT; PC; NBR; EPDM/X; FKM	
Materials (wetted parts)		brass nickel-plated; ceramics; FKM	

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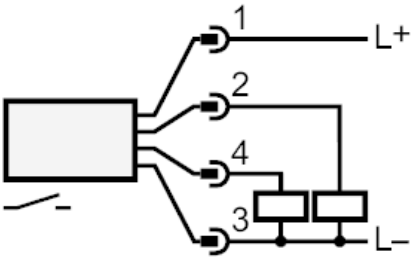
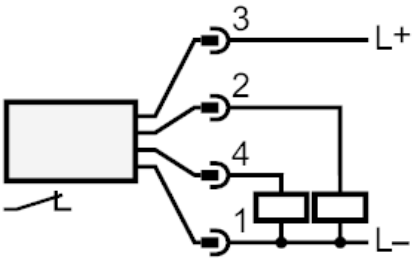
Min. pressure cycles	100 million	
Process connection	threaded connection G 1/4 Internal thread	
Displays / operating elements		
Display	Switching status	2 x LED, yellow
	Measured values	10 x LED, green Resolution 10 % of the final value
Remarks		
Pack quantity	1 pcs.	
Electrical connection		

Connector: 1 x M12; coding: A