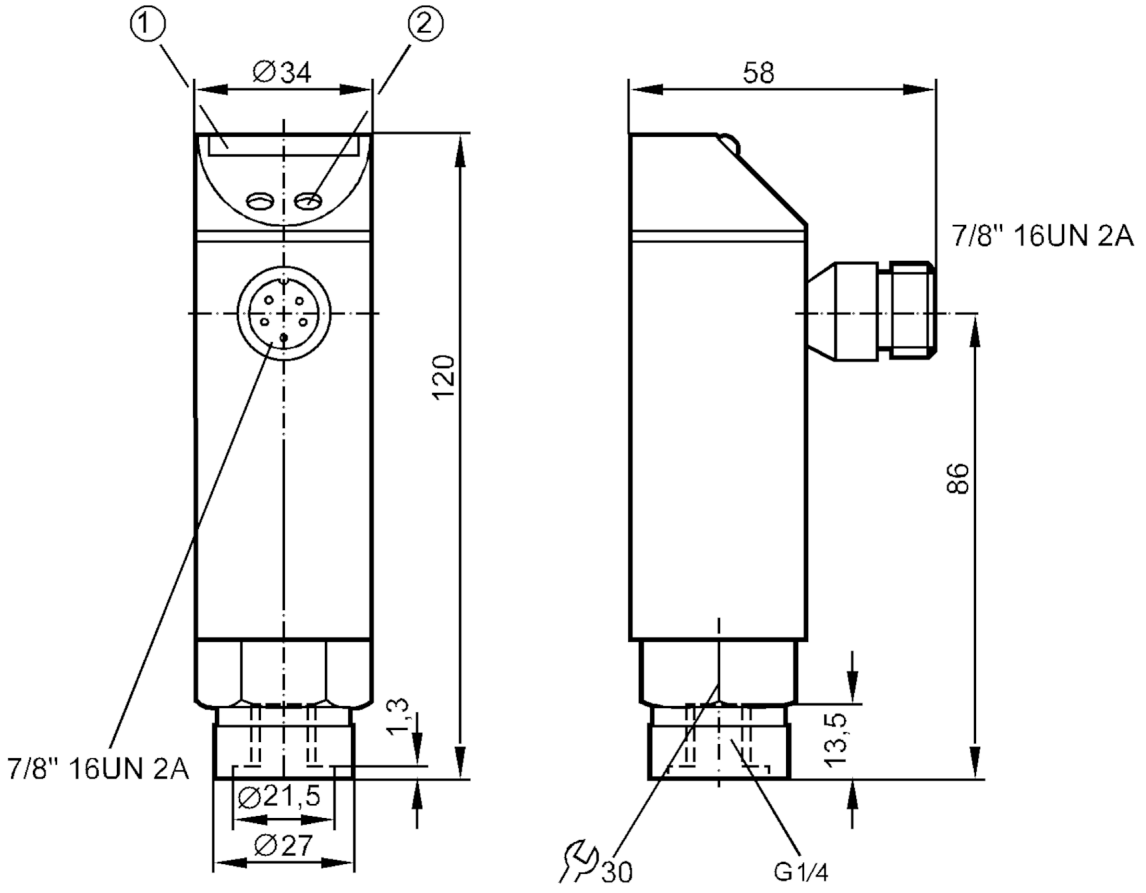
PB4014

Pressure sensor with LED bar display

PB-010-RBR14-HFBOW/LS/ /V

Article no longer available - archive entry

Alternative articles: PN4224 + E30058
When selecting an alternative article and accessories please note that technical data may differ!



1 LED bar display
2 programming button

Product characteristics		
Number of inputs and outputs		Number of digital outputs: 1
Measuring range	[bar]	0...10
Process connection		threaded connection G 1/4 internal thread
Application		
Application		for industrial applications
Media		liquids and gases
Medium temperature	[°C]	-25...70
Min. bursting pressure	[bar]	150
Pressure rating	[bar]	50
Type of pressure		relative pressure
Electrical data		
Operating voltage	[V]	102...132 AC

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Current consumption	[mA]	20	
Power-on delay time	[s]	0.35	
Integrated watchdog		yes	
Inputs / outputs			
Number of inputs and outputs		Number of digital outputs: 1	
Outputs			
Total number of outputs		1	
Output signal		switching signal	
Number of digital outputs		1	
Output function		normally open	
Max. voltage drop switching output AC	[V]	2	
Permanent current rating of switching output AC	[mA]	250; ((...70 °C) 1000 (...60 °C) 1500 (...45 °C) 2500 (...20 °C))	
Short-circuit protection		no	
Overload protection		no	
Measuring/setting range			
Measuring range	[bar]	0...10	
Set point SP	[bar]	0.5...10	
Reset point rP	[bar]	0.3...9.8	
In steps of	[bar]	0.1	
Note on hysteresis		adjustable	
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...70	
Storage temperature	[°C]	-40...100	
Protection		IP 65	
Tests / approvals			
EMC		IEC 801/2 ESD	4 kV CD / 8 kV AD
		IEC 801/3 HF	10 V/m
		IEC 801/4 Burst	2 kV
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			
Materials		EPDM/X; FKM; NBR; PBT; PC; stainless steel (1.4301 / 304)	
Materials (wetted parts)		FKM; ceramics; stainless steel (1.4305 / 303)	
Min. pressure cycles		100 million	

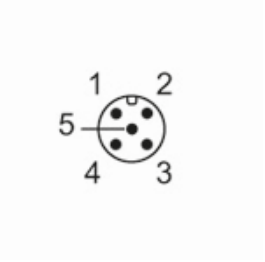
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Process connection	threaded connection G 1/4 internal thread	
Restrictor element integrated	no (can be retrofitted)	
Displays / operating elements		
Display	switching status	LED, yellow
	measured values	10 x LED, green Resolution 10% of the final value
Remarks		
Pack quantity	1 pcs.	
Electrical connection		

Connector: 1 x 7/8"; coding: A



Connection

