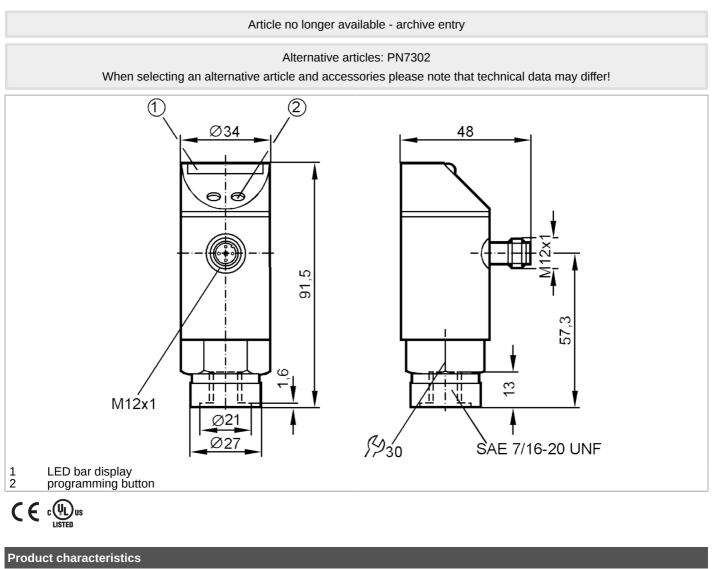
PB5322

Pressure sensor with LED bar display

PB-100PSBU76-HFPKG/US/ /V





Number of inputs and outputsNumber of digital outputs: 1Measuring range[psi]Process connection01000Process connectionthreaded connection 7/16" - 20 UNF internal threadApplicationGold-plated contactsApplicationfor industrial applicationsMedialiquids and gasesConditionally suitable forFor gaseous media the application is limited to max. 25 bar.Medium temperature[°C]Pressure rating[psi]Pressure rating[psi]Type of pressure[psi]Electrical dataOperating voltage[M]Min. insulation resistance[MQ]Nin. insulation resistance[MQ]Protection classIII	Product characteristics		
Process connectionthreaded connection 7/16" - 20 UNF internal threadApplicationGold-plated contactsApplicationfor industrial applicationsMedialiquids and gasesConditionally suitable forFor gaseous media the application is limited to max. 25 bar.Medium temperature[°C]Min. bursting pressure[psi]Pressure rating[psi]Electrical dataOperating voltage[V]Current consumption[mA]Min. insulation resistance[MQ]Min. insulation resistance[MQ]	Number of inputs and outputs		Number of digital outputs: 1
ApplicationSpecial featureGold-plated contactsApplicationfor industrial applicationsMedialiquids and gasesConditionally suitable forFor gaseous media the application is limited to max. 25 bar.Medium temperature[°C]Min. bursting pressure[psi]Pressure rating[psi]Type of pressure[V]Electrical dataOperating voltage[M]Operating voltage[MQ]Min. insulation resistance[MQ]Min. insulation resistance[MQ]	Measuring range	[psi]	01000
Special featureGold-plated contactsApplicationfor industrial applicationsMedialiquids and gasesConditionally suitable forFor gaseous media the application is limited to max. 25 bar.Medium temperature[°C]Medium temperature[°C]Min. bursting pressure[psi]Pressure rating[psi]Type of pressurerelative pressureElectrical dataOperating voltageOperating voltage[V]Min. insulation resistance[MQ]Min. insulation resistance[MQ]	Process connection		threaded connection 7/16" - 20 UNF internal thread
Applicationfor industrial applicationsMedialiquids and gasesConditionally suitable forFor gaseous media the application is limited to max. 25 bar.Medium temperature[°C]Medium temperature[°C]Min. bursting pressure[psi]Pressure rating[psi]Type of pressure[psi]Flectrical dataOperating voltage[M]Current consumption[mA]Min. insulation resistance[MQ]	Application		
Medialiquids and gasesConditionally suitable forFor gaseous media the application is limited to max. 25 bar.Medium temperature[°C]Min. bursting pressure[psi]Pressure rating[psi]Pressure rating[psi]Type of pressurerelative pressureElectrical dataOperating voltage[M]Current consumption[mA]Min. insulation resistance[MQ]	Special feature		Gold-plated contacts
Conditionally suitable forFor gaseous media the application is limited to max. 25 bar.Medium temperature[°C]-2580Min. bursting pressure[psi]9000Pressure rating[psi]4500Type of pressurerelative pressureElectrical dataOperating voltage[M]Current consumption[mA]Min. insulation resistance[MQ]Min. insulation resistance[MQ]	Application		for industrial applications
Medium temperature[°C]Min. bursting pressure[psi]Pressure rating[psi]Pressure rating[psi]Type of pressurerelative pressureElectrical dataOperating voltage[V]Current consumption[mA]Min. insulation resistance[MQ]	Media		liquids and gases
Min. bursting pressure[psi]9000Pressure rating[psi]4500Type of pressurerelative pressureElectrical dataOperating voltage[V]1830 DCCurrent consumption[mA]< 50	Conditionally suitable for		For gaseous media the application is limited to max. 25 bar.
Pressure rating[psi]4500Type of pressurerelative pressureElectrical dataOperating voltage[V]Current consumption[mA]Min. insulation resistance[MΩ]	Medium temperature	[°C]	-2580
Type of pressurerelative pressureElectrical data1830 DCOperating voltage[V]Current consumption[mA]Kin. insulation resistance[MΩ]100; (500 V DC)	Min. bursting pressure	[psi]	9000
Electrical data Operating voltage [V] Current consumption [mA] Kin. insulation resistance [MΩ]	Pressure rating	[psi]	4500
Operating voltage[V]1830 DCCurrent consumption[mA]< 50	Type of pressure		relative pressure
Current consumption[mA]< 50Min. insulation resistance[MΩ]100; (500 V DC)	Electrical data		
Min. insulation resistance $[M\Omega]$ 100; (500 V DC)	Operating voltage	[V]	1830 DC
	Current consumption	[mA]	< 50
Protection class III	Min. insulation resistance	[MΩ]	100; (500 V DC)
	Protection class		III

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Reverse polarity protection			yes
Power-on delay time	[S]		0.2
Integrated watchdog			yes
Inputs / outputs			-
Number of inputs and outputs	;	Number	of digital outputs: 1
Outputs			
Total number of outputs			1
Output signal			vitching signal
Electrical design	_		PNP
Number of digital outputs			1
Output function		normally open / norr	nally closed; (parameterisable)
Max. voltage drop switching output DC	[V]		2
Permanent current rating of switching output DC	[mA]		250
Switching frequency DC	[Hz]		10
Short-circuit protection			yes
Type of short-circuit protection			pulsed
Overload protection			yes
Measuring/setting range			
Measuring range	[psi]		01000
Set point SP	[psi]		501000
Reset point rP	[psi]		30980
In steps of	[psi]		10
Note on hysteresis			adjustable
Accuracy / deviations			
Switch point accuracy [% of the final value]		< ± 2,0	
Repeatability [% of the final value]		$< \pm 0,25$; (with temperature fluctuations < 10 K)	
Temperature drift per 10 K		< ± 0.3	
Software / programming			
Adjustment of the switch		programming button	
point Operating conditions			
Ambient temperature	[°C]		-2580
Storage temperature	[°C]		-40100
Protection	r ~1		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 (102000 Hz)

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Mechanical data				
Materials	EPDM/X; FKM; NBR	EPDM/X; FKM; NBR; PA; PBT; PC; PTFE; stainless steel (304/1.4301)		
Materials (wetted parts)	FKM; c	FKM; ceramics; stainless steel (303/1.4305)		
Min. pressure cycles		100 million		
Process connection	threaded c	threaded connection 7/16" - 20 UNF internal thread		
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 M12; coding: A; C	Contacts: gold-plated			
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