

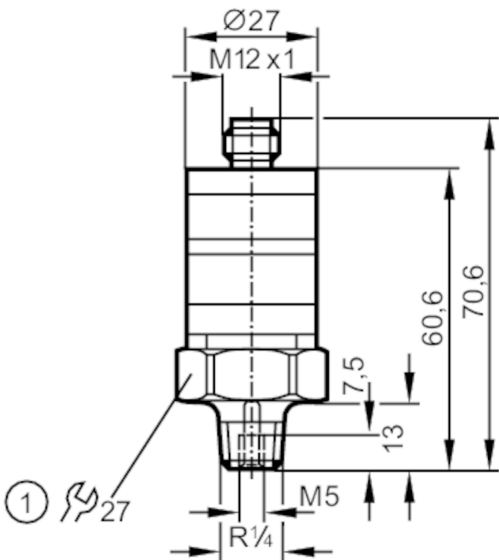
PK6730



Pressure switch with intuitive switch point setting

PK-400-SFP14-HCPKG/US/ /W

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1 Tightening torque 25 Nm



Product characteristics		
Number of inputs and outputs	Number of digital outputs: 2	
Measuring range	0...400 bar	0...40 MPa
Process connection	threaded connection R 1/4 external thread Internal thread:M5	
Application		
Application	for industrial applications	
Media	liquids and gases	
Medium temperature [°C]	-25...80	
Min. bursting pressure	1600 bar	160 MPa
Pressure rating	600 bar	60 Mpa
Type of pressure	relative pressure	
Electrical data		
Operating voltage [V]	9.6...32 DC	
Current consumption [mA]	< 25	
Min. insulation resistance [MΩ]	100; (500 V DC)	
Protection class	III	
Reverse polarity protection	yes	
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	



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Output function		complementary	
Max. voltage drop switching output DC	[V]	2	
Permanent current rating of switching output DC	[mA]	500	
Switching frequency DC	[Hz]	100	
Short-circuit protection		yes	
Type of short-circuit protection		yes (non-latching)	
Overload protection		yes	
Measuring/setting range			
Measuring range	0...400 bar	0...40 MPa	
Set point SP	20...400 bar	2...40 MPa	
Reset point rP	12...392 bar	1.2...39.2 MPa	
Accuracy / deviations			
Switch point accuracy	< ± 2,5; (Setting accuracy)		
[% of the final value]			
Repeatability	< ± 0,5; (with temperature fluctuations < 10 K)		
[% of the final value]			
Characteristics deviation	< ± 1,5 (BFSL) / < ± 2,5 (LS); (BFSL = Best Fit Straight Line; LS = limit value setting)		
[% of the final value]			
Temperature drift per 10 K	< ± 0.5		
Software / programming			
Adjustment of the switch point	setting rings		
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	PBT; PC; FKM; stainless steel (1.4404 / 316L)		
Materials (wetted parts)	stainless steel (1.4404 / 316L)		
Min. pressure cycles	50 million		
Process connection	threaded connection R 1/4 external thread Internal thread:M5		
Restrictor element integrated	no (can be retrofitted)		
Displays / operating elements			
Display	Power	LED, green	
	Switching status	LED, yellow	

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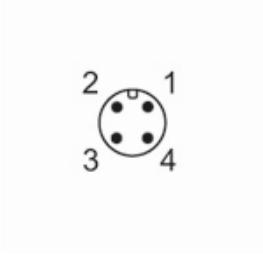
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Remarks

Pack quantity	1 pcs.
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Electrical connection

Connector: 1 x M12; coding: A



Connection

