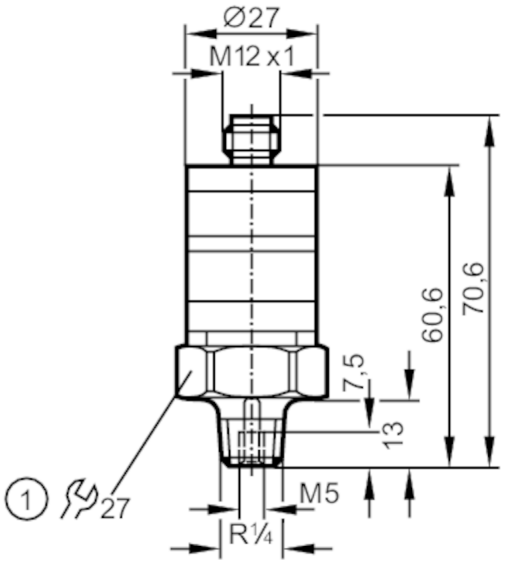
PK6730

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		pulsed
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 [% of the final value]		< ± 2,5; (Setting accuracy)
Repeatability [% of the final value]		< ± 0,5; (with temperature fluctuations < 10 K)
Characteristics deviation [% of the final value]		< ± 1,5 (BFSL) / < ± 2,5 (LS); (BFSL = Best Fit Straight Line; LS = limit value setting)
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		
Materials		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	operation	LED, green
	switching status	LED, yellow

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Remarks

Pack quantity	1 pcs.

Electrical connection

Connector: 1 x M12; coding: A



Connection

