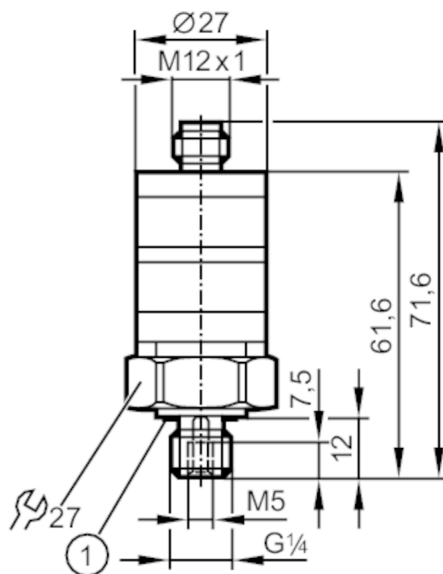


PK6534



Pressure switch with intuitive switch point setting

PK-010-RFG14-HCPKG/US/ IW



1 Sealing



Product characteristics

Output signal	switching signal		
Measuring range	0...10 bar	0...1000 kPa	0...1 MPa
Process connection	threaded connection G 1/4 external thread internal thread M5		

Application

Application	for industrial applications	
Media	liquids and gases	
Medium temperature [°C]	-25...80	
Pressure rating	25 bar	2.5 MPa
Min. bursting pressure	300 bar	30 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
------------------------------	------------------------------



Pressure switch with intuitive switch point setting

PK-010-RFG14-HCPKG/US/ /W

Outputs			
Total number of outputs	2		
Output signal	switching signal		
Electrical design	PNP		
Number of digital outputs	2		
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...10 bar	0...1000 kPa	0...1 MPa
Set point SP	0.5...10 bar		0.05...1 MPa
Reset point rP	0.3...9.8 bar		0.03...0.98 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	DIN EN 61000-6-2		
	DIN EN 61000-6-3		
Shock resistance	DIN IEC 68-2-27		50 g (11 ms)
Vibration resistance	DIN IEC 68-2-6		20 g (10...2000 Hz)
MTTF [years]	500		
Pressure Equipment Directive	Sound engineering practice; can be used for group 2 fluids; group 1 fluids on request		

PK6534



Pressure switch with intuitive switch point setting

PK-010-RFG14-HCPKG/US/ /W

Mechanical data	
Weight [g]	93
Materials	PBT; PC; FKM; stainless steel (1.4404 / 316L)
Materials (wetted parts)	stainless steel (1.4404 / 316L); FKM
Min. pressure cycles	50 million
Tightening torque [Nm]	25
Process connection	threaded connection G 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
With scale	yes	

Remarks	
Pack quantity	1 pcs.

Electrical connection

Connector: 1 x M12



Connection

