

PK5520



Pressure switch with intuitive switch point setting

PK-400-SFG14-PSPKG/US/ /W



1 sealing



Product characteristics

Number of inputs and outputs	Number of digital outputs: 1	
Measuring range	0...400 bar	0...5800 psi
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		
Min. burst pressure	1600 bar	23200 psi	160 MPa
Pressure rating	600 bar	8700 psi	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: 1
------------------------------	------------------------------

Outputs

Total number of outputs	1
Output signal	switching signal
Electrical design	PNP
Number of digital outputs	1
Output function	normally open



Pressure switch with intuitive switch point setting

PK-400-SFG14-PSPKG/US/ /W

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...5800 psi
Set point SP	12...400 bar	175...5800 psi
Hysteresis	8 bar	116 psi

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 ring

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]	511
Pressure equipment directive	sound engineering practice; can be used for group 2 fluids; group 1 fluids on request	

Mechanical data	
Weight	[g] 94.5
Housing	tubular
Dimensions	[mm] Ø 27 / L = 71.6
Material	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)

PK5520



Pressure switch with intuitive switch point setting

PK-400-SFG14-PSPKG/US/ /W

Displays / operating elements

Display	Power	LED, green
	Switching status	LED, yellow
With scale		yes

Remarks

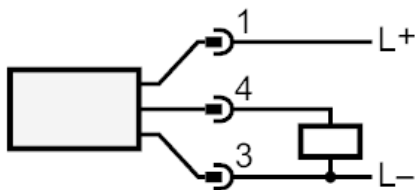
Pack quantity	1 pcs.
---------------	--------

Electrical connection

Connector: 1 x M12; coding: A



Connection

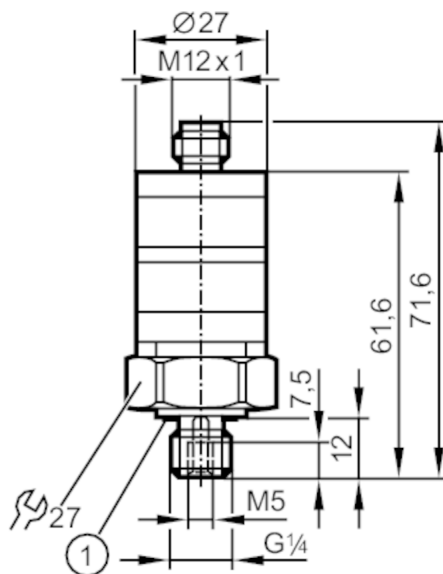


PK5521



Pressure switch with intuitive switch point setting

PK-250-SFG14-PSPKG/US/ /W



1 sealing



Product characteristics

Number of inputs and outputs	Number of digital outputs: 1		
Measuring range	0...250 bar	0...3625 psi	
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		
Min. burst pressure	1000 bar	14500 psi	100 MPa
Pressure rating	400 bar	5800 psi	40 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: 1
------------------------------	------------------------------

Outputs

Total number of outputs	1
Output signal	switching signal
Electrical design	PNP
Number of digital outputs	1
Output function	normally open



Pressure switch with intuitive switch point setting

PK-250-SFG14-PSPKG/US/ /W

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...250 bar	0...3625 psi
Set point SP	7.5...250 bar	109...3625 psi
Hysteresis	5 bar	72 psi

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 ring
--------------------------------	--------------

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]	511
Pressure equipment directive	sound engineering practice; can be used for group 2 fluids; group 1 fluids on request	

Mechanical data

Weight	[g]	97.4
Housing		tubular
Dimensions	[mm]	Ø 27 / L = 71.6
Material		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)

PK5521



Pressure switch with intuitive switch point setting

PK-250-SFG14-PSPKG/US/ /W

Displays / operating elements

Display	Power	LED, green
	Switching status	LED, yellow
With scale		yes

Remarks

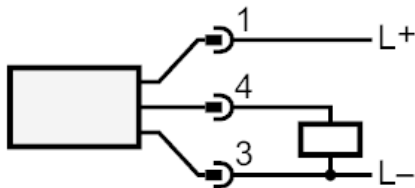
Pack quantity	1 pcs.
---------------	--------

Electrical connection

Connector: 1 x M12; coding: A



Connection

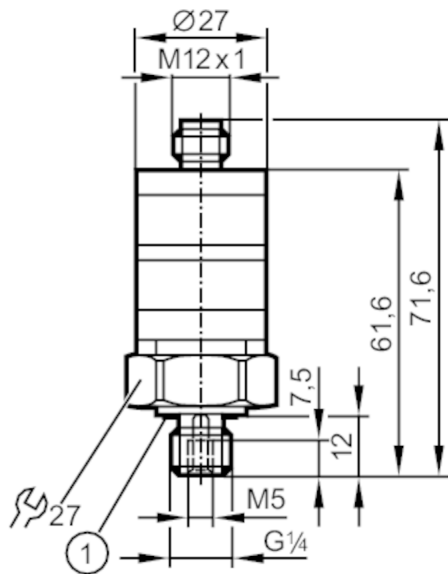


PK5522



Pressure switch with intuitive switch point setting

PK-100-SFG14-PSPKG/US/ /W



1 sealing



Product characteristics

Number of inputs and outputs	Number of digital outputs: 1		
Measuring range	0...100 bar	0...1450 psi	
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		
Min. burst pressure	1000 bar	14500 psi	100 MPa
Pressure rating	200 bar	2900 psi	20 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: 1
------------------------------	------------------------------

Outputs

Total number of outputs	1
Output signal	switching signal
Electrical design	PNP
Number of digital outputs	1
Output function	normally open



Pressure switch with intuitive switch point setting

PK-100-SFG14-PSPKG/US/ /W

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...100 bar	0...1450 psi
Set point SP		3...100 bar	44...1450 psi
Hysteresis		2 bar	29 psi
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 ring	
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]	1030	
Pressure equipment directive		sound engineering practice; can be used for group 2 fluids; group 1 fluids on request	
Mechanical data			
Weight	[g]	93.5	
Housing		tubular	
Dimensions	[mm]	Ø 27 / L = 71.6	
Material		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)	

PK5522



Pressure switch with intuitive switch point setting

PK-100-SFG14-PSPKG/US/ /W

Displays / operating elements

Display	Power	LED, green
	Switching status	LED, yellow
With scale		yes

Remarks

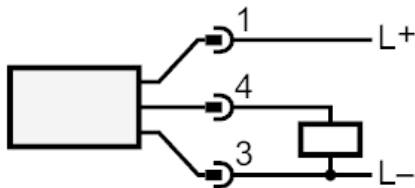
Pack quantity	1 pcs.
---------------	--------

Electrical connection

Connector: 1 x M12; coding: A



Connection

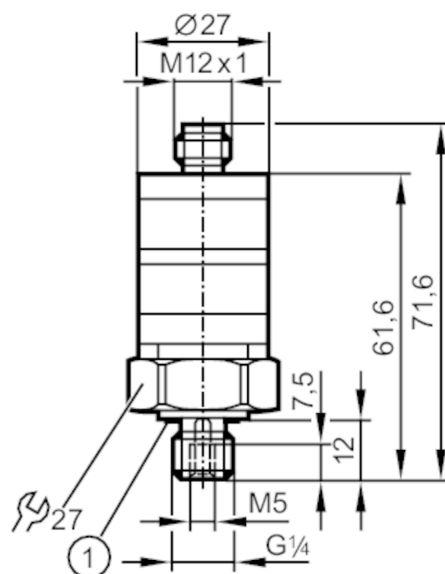


PK5523



Pressure switch with intuitive switch point setting

PK-025-SFG14-PSPKG/US/ /W



1 sealing



Product characteristics

Number of inputs and outputs	Number of digital outputs: 1		
Measuring range	0...25 bar	0...363 psi	
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		
Min. burst pressure	500 bar	7253 psi	50 MPa
Pressure rating	60 bar	870 psi	6 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: 1
------------------------------	------------------------------

Outputs

Total number of outputs	1
Output signal	switching signal
Electrical design	PNP
Number of digital outputs	1
Output function	normally open



Pressure switch with intuitive switch point setting

PK-025-SFG14-PSPKG/US/ /W

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...25 bar	0...363 psi
Set point SP	0.75...25 bar	11...363 psi
Hysteresis	0.5 bar	7.2 psi

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 ring
--------------------------------	--------------

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]	771
Pressure equipment directive	sound engineering practice; can be used for group 2 fluids; group 1 fluids on request	

Mechanical data

Weight	[g]	92.5
Housing		tubular
Dimensions	[mm]	Ø 27 / L = 71.6
Material		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)

PK5523



Pressure switch with intuitive switch point setting

PK-025-SFG14-PSPKG/US/ /W

Displays / operating elements

Display	Power	LED, green
	Switching status	LED, yellow
With scale		yes

Remarks

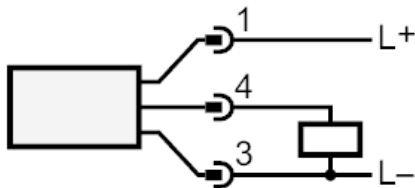
Pack quantity	1 pcs.
---------------	--------

Electrical connection

Connector: 1 x M12; coding: A



Connection

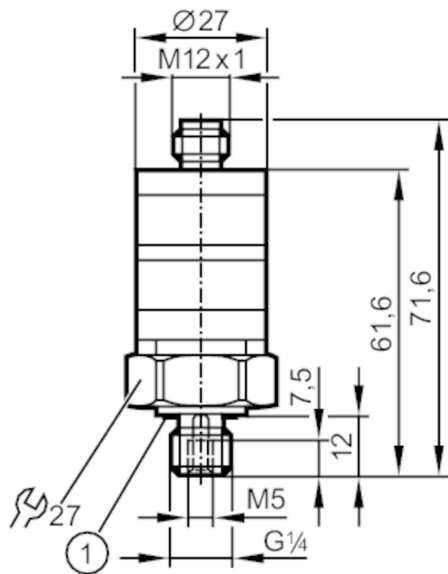


PK5524



Pressure switch with intuitive switch point setting

PK-010-RFG14-PSPKG/US/ /W



1 sealing



Product characteristics

Number of inputs and outputs	Number of digital outputs: 1		
Measuring range	0...10 bar	0...145 psi	
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		
Min. burst pressure	300 bar	4350 psi	30 MPa
Pressure rating	25 bar	362 psi	2.5 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: 1
------------------------------	------------------------------

Outputs

Total number of outputs	1
Output signal	switching signal
Electrical design	PNP
Number of digital outputs	1
Output function	normally open



Pressure switch with intuitive switch point setting

PK-010-RFG14-PSPKG/US/ /W

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...10 bar	0...145 psi
Set point SP		0.5...10 bar	7.5...145 psi
Hysteresis		0.2 bar	2.9 psi
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 ring	
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]	576	
Pressure equipment directive		sound engineering practice; can be used for group 2 fluids; group 1 fluids on request	
Mechanical data			
Weight	[g]	92.5	
Housing		tubular	
Dimensions	[mm]	Ø 27 / L = 71.6	
Material		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)	

PK5524



Pressure switch with intuitive switch point setting

PK-010-RFG14-PSPKG/US/ /W

Displays / operating elements

Display	Power	LED, green
	Switching status	LED, yellow
With scale		yes

Remarks

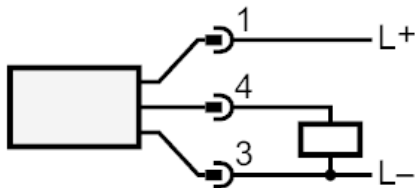
Pack quantity	1 pcs.
---------------	--------

Electrical connection

Connector: 1 x M12; coding: A



Connection

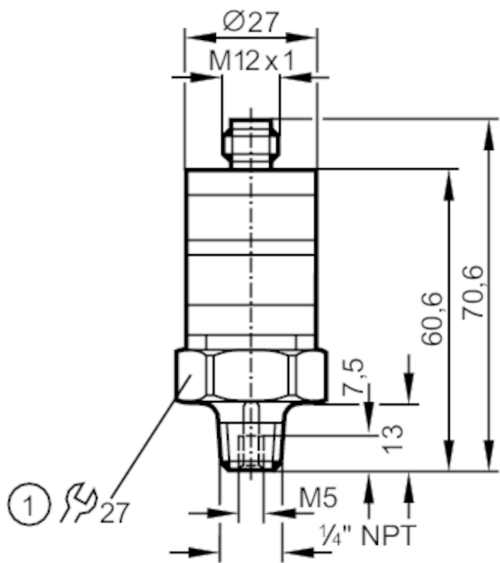


PK6220



Pressure switch with intuitive switch point setting

PK-400-SFN14-HCPKG/US/ /W



1 Tightening torque 25 Nm



Product characteristics

Number of inputs and outputs	Number of digital outputs: 2	
Measuring range	0...400 bar	0...5800 psi
Process connection	threaded connection 1/4" NPT external thread Internal thread:M5	

Application

Application	for industrial applications		
Media	liquids and gases		
Medium temperature [°C]	-25...80		
Min. burst pressure	1600 bar	23200 psi	160 MPa
Pressure rating	600 bar	8700 psi	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
Output function	complementary



Pressure switch with intuitive switch point setting

PK-400-SFN14-HCPKG/US/ /W

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...5800 psi
Set point SP	20...400 bar	290...5800 psi
Reset point rP	12...392 bar	175...5685 psi

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]	641
Pressure equipment directive	sound engineering practice; can be used for group 2 fluids; group 1 fluids on request	

Mechanical data		
Weight	[g]	94.5
Housing		tubular
Dimensions	[mm]	Ø 27 / L = 70.6
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 1/4" NPT external thread Internal thread:M5
Restrictor element integrated		no (can be retrofitted)

PK6220



Pressure switch with intuitive switch point setting

PK-400-SFN14-HCPKG/US/ /W

Displays / operating elements

Display	Power	LED, green
	Switching status	LED, yellow
With scale		yes

Remarks

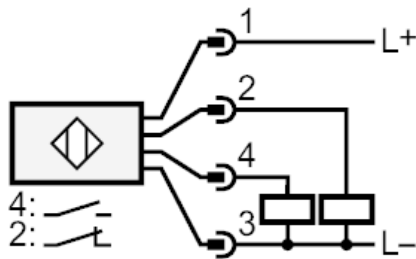
Pack quantity	1 pcs.
---------------	--------

Electrical connection

Connector: 1 x M12; coding: A



Connection

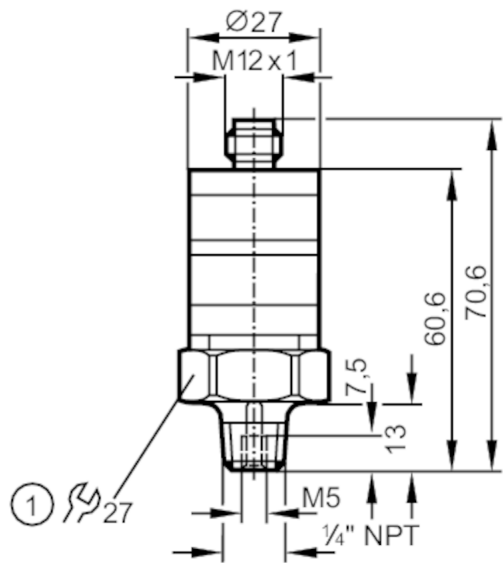


PK6222



Pressure switch with intuitive switch point setting

PK-100-SFN14-HCPKG/US/ /W



1 Tightening torque 25 Nm



Product characteristics			
Number of inputs and outputs	Number of digital outputs: 2		
Measuring range	0...100 bar	0...1450 psi	
Process connection	threaded connection 1/4" NPT external thread Internal thread:M5		
Application			
Application	for industrial applications		
Media	liquids and gases		
Medium temperature [°C]	-25...80		
Min. burst pressure	1000 bar	14500 psi	100 MPa
Pressure rating	200 bar	2900 psi	20 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		
Output function	complementary		



Pressure switch with intuitive switch point setting

PK-100-SFN14-HCPKG/US/ /W

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...100 bar	0...1450 psi
Set point SP		5...100 bar	75...1450 psi
Reset point rP		3...98 bar	50...1420 psi
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		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]	713	
Pressure equipment directive		sound engineering practice; can be used for group 2 fluids; group 1 fluids on request	
Mechanical data			
Weight	[g]	93	
Housing		tubular	
Dimensions	[mm]	Ø 27 / L = 70.6	
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 1/4" NPT external thread Internal thread:M5	
Restrictor element integrated		no (can be retrofitted)	

PK6222



Pressure switch with intuitive switch point setting

PK-100-SFN14-HCPKG/US/ /W

Displays / operating elements

Display	Power	LED, green
	Switching status	LED, yellow
With scale		yes

Remarks

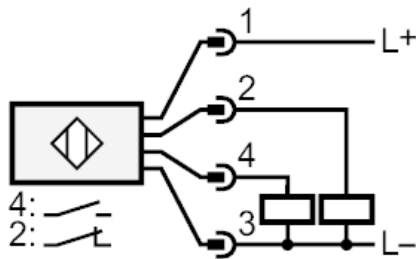
Pack quantity	1 pcs.
---------------	--------

Electrical connection

Connector: 1 x M12; coding: A



Connection

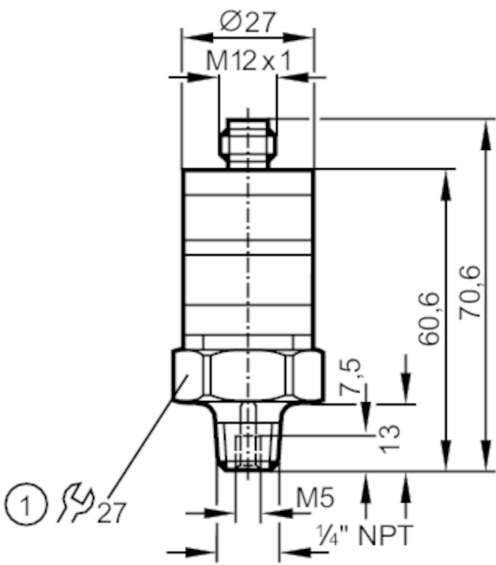


PK6224



Pressure switch with intuitive switch point setting

PK-010-RFN14-HCPKG/US/ /W



1 Tightening torque 25 Nm



Product characteristics

Number of inputs and outputs	Number of digital outputs: 2	
Measuring range	0...10 bar	0...145 psi
Process connection	threaded connection 1/4" NPT external thread Internal thread:M5	

Application

Application	for industrial applications		
Media	liquids and gases		
Medium temperature [°C]	-25...80		
Min. burst pressure	300 bar	4350 psi	30 MPa
Pressure rating	25 bar	362 psi	2.5 MPa
Type of pressure	relative pressure		
MAWP (for applications according to CRN)	25 bar	362 psi	

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		



Pressure switch with intuitive switch point setting

PK-010-RFN14-HCPKG/US/ /W

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...10 bar	0...145 psi
Set point SP	0.5...10 bar	7.5...145 psi
Reset point rP	0.3...9.8 bar	5...142 psi
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 EN 60068-2-27	50 g (11 ms)
Vibration resistance	DIN EN 60068-2-6	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	
Mechanical data		
Weight [g]	92.5	
Housing	tubular	
Dimensions [mm]	Ø 27 / L = 70.6	
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 1/4" NPT external thread Internal thread:M5	
Restrictor element integrated	no (can be retrofitted)	

PK6224



Pressure switch with intuitive switch point setting

PK-010-RFN14-HCPKG/US/ /W

Displays / operating elements

Display	Power	LED, green
	Switching status	LED, yellow
With scale		yes

Remarks

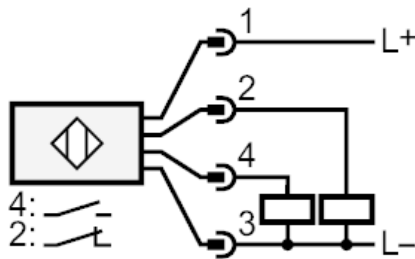
Pack quantity	1 pcs.
---------------	--------

Electrical connection

Connector: 1 x M12; coding: A



Connection

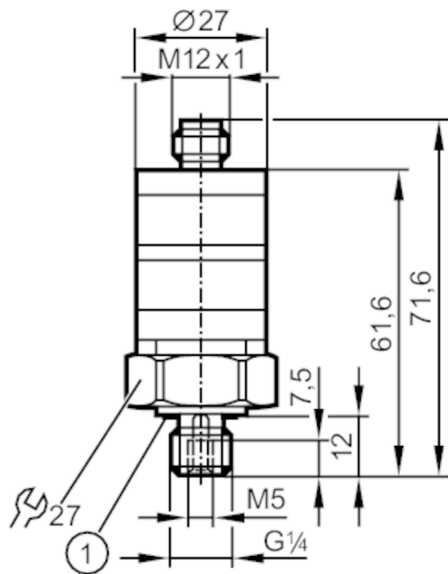


PK6520



Pressure switch with intuitive switch point setting

PK-400-SFG14-HCPKG/US/ IW



1 sealing



Product characteristics

Number of inputs and outputs	Number of digital outputs: 2	
Measuring range	0...400 bar	0...5800 psi
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		
Min. burst pressure	1600 bar	23200 psi	160 MPa
Pressure rating	600 bar	8700 psi	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
Output function	complementary



Pressure switch with intuitive switch point setting

PK-400-SFG14-HCPKG/US/ /W

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...5800 psi
Set point SP	20...400 bar	290...5800 psi
Reset point rP	12...392 bar	175...5685 psi

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]	450
Pressure equipment directive	sound engineering practice; can be used for group 2 fluids; group 1 fluids on request	

Mechanical data

Weight	[g]	94.5
Housing		tubular
Dimensions	[mm]	Ø 27 / L = 71.6
Material		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)

PK6520



Pressure switch with intuitive switch point setting

PK-400-SFG14-HCPKG/US/ /W

Displays / operating elements

Display	Power	LED, green
	Switching status	LED, yellow
With scale		yes

Remarks

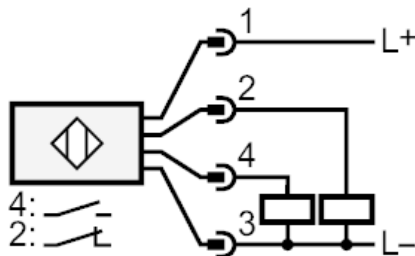
Pack quantity	1 pcs.
---------------	--------

Electrical connection

Connector: 1 x M12; coding: A



Connection

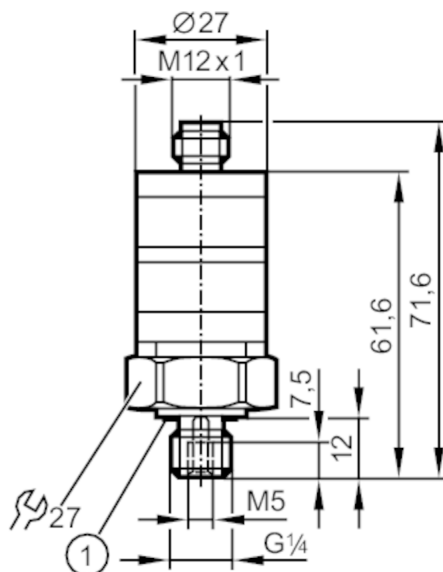


PK6521



Pressure switch with intuitive switch point setting

PK-250-SFG14-HCPKG/US/ IW



1 sealing



Product characteristics

Number of inputs and outputs	Number of digital outputs: 2		
Measuring range	0...250 bar	0...3625 psi	
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		
Min. burst pressure	1000 bar	14500 psi	100 MPa
Pressure rating	400 bar	5800 psi	40 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
Output function	complementary



Pressure switch with intuitive switch point setting

PK-250-SFG14-HCPKG/US/ /W

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...250 bar	0...3625 psi
Set point SP	12.5...250 bar	181...3625 psi
Reset point rP	7.5...245 bar	109...3553 psi

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]	450	
Pressure equipment directive	sound engineering practice; can be used for group 2 fluids; group 1 fluids on request	

Mechanical data

Weight	[g]	95
Housing		tubular
Dimensions	[mm]	Ø 27 / L = 71.6
Material		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)

PK6521



Pressure switch with intuitive switch point setting

PK-250-SFG14-HCPKG/US/ /W

Displays / operating elements

Display	Power	LED, green
	Switching status	LED, yellow
With scale		yes

Remarks

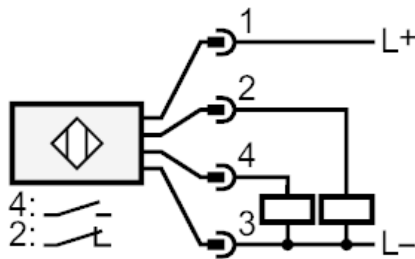
Pack quantity	1 pcs.
---------------	--------

Electrical connection

Connector: 1 x M12; coding: A



Connection

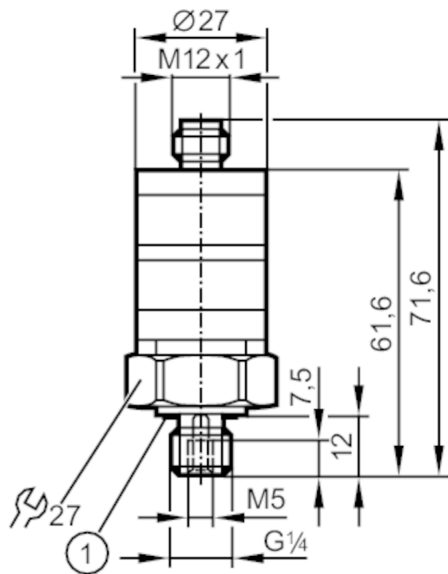


PK6522



Pressure switch with intuitive switch point setting

PK-100-SFG14-HCPKG/US/ IW



1 sealing



Product characteristics			
Number of inputs and outputs	Number of digital outputs: 2		
Measuring range	0...100 bar		0...1450 psi
Process connection	threaded connection G 1/4 external thread Internal thread:M5		
Application			
Application	for industrial applications		
Media	liquids and gases		
Medium temperature	-25...80		
Min. burst pressure	1000 bar	14500 psi	100 MPa
Pressure rating	200 bar	2900 psi	20 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		
Output function	complementary		



Pressure switch with intuitive switch point setting

PK-100-SFG14-HCPKG/US/ /W

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...100 bar	0...1450 psi
Set point SP		5...100 bar	75...1450 psi
Reset point rP		3...98 bar	50...1420 psi
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		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]	450	
Pressure equipment directive		sound engineering practice; can be used for group 2 fluids; group 1 fluids on request	
Mechanical data			
Weight	[g]	94	
Housing		tubular	
Dimensions	[mm]	Ø 27 / L = 71.6	
Material		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)	

PK6522



Pressure switch with intuitive switch point setting

PK-100-SFG14-HCPKG/US/ /W

Displays / operating elements

Display	Power	LED, green
	Switching status	LED, yellow
With scale		yes

Remarks

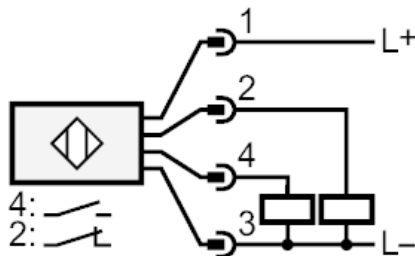
Pack quantity	1 pcs.
---------------	--------

Electrical connection

Connector: 1 x M12; coding: A



Connection

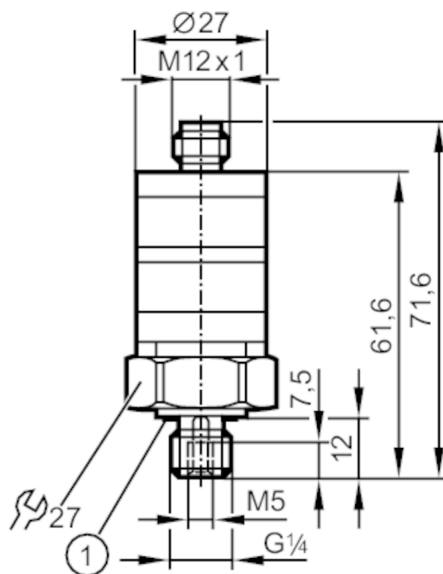


PK6523



Pressure switch with intuitive switch point setting

PK-025-SFG14-HCPKG/US/ IW



1 sealing



Product characteristics

Number of inputs and outputs	Number of digital outputs: 2	
Measuring range	0...25 bar	0...363 psi
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		
Min. burst pressure	500 bar	7253 psi	50 MPa
Pressure rating	60 bar	870 psi	6 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
Output function	complementary



Pressure switch with intuitive switch point setting

PK-025-SFG14-HCPKG/US/ /W

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...25 bar	0...363 psi
Set point SP	1.25...25 bar	18...363 psi
Reset point rP	0.75...24.5 bar	11...355 psi

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]	641
Pressure equipment directive	sound engineering practice; can be used for group 2 fluids; group 1 fluids on request	

Mechanical data

Weight	[g]	92.5
Housing		tubular
Dimensions	[mm]	Ø 27 / L = 71.6
Material		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)

PK6523



Pressure switch with intuitive switch point setting

PK-025-SFG14-HCPKG/US/ /W

Displays / operating elements

Display	Power	LED, green
	Switching status	LED, yellow
With scale		yes

Remarks

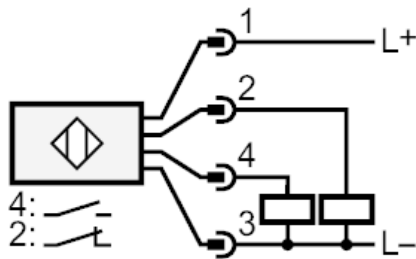
Pack quantity	1 pcs.
---------------	--------

Electrical connection

Connector: 1 x M12; coding: A



Connection

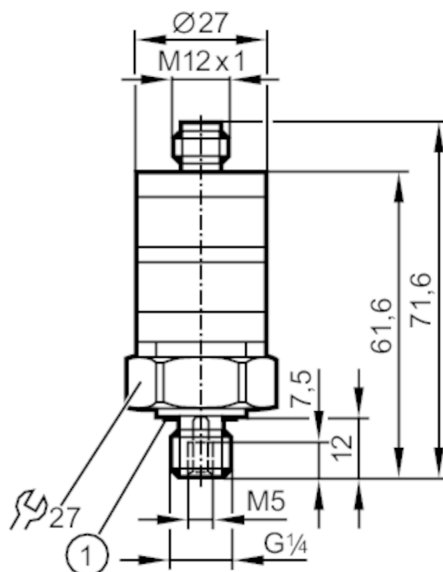


PK6524



Pressure switch with intuitive switch point setting

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



1 sealing



Product characteristics

Number of inputs and outputs	Number of digital outputs: 2		
Measuring range	0...10 bar	0...145 psi	
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		
Min. burst pressure	300 bar	4350 psi	30 MPa
Pressure rating	25 bar	362 psi	2.5 MPa
Type of pressure	relative pressure		
MAWP (for applications according to CRN)	25 bar	362 psi	

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



Pressure switch with intuitive switch point setting

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

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...10 bar	0...145 psi
Set point SP	0.5...10 bar	7.5...145 psi
Reset point rP	0.3...9.8 bar	5...142 psi
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 EN 60068-2-27	50 g (11 ms)
Vibration resistance	DIN EN 60068-2-6	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	
Mechanical data		
Weight [g]	92.5	
Housing	tubular	
Dimensions [mm]	Ø 27 / L = 71.6	
Material	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)	

PK6524



Pressure switch with intuitive switch point setting

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

Displays / operating elements

Display	Power	LED, green
	Switching status	LED, yellow
With scale		yes

Remarks

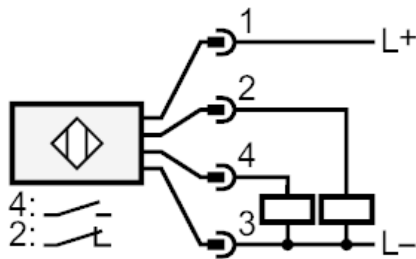
Pack quantity	1 pcs.
---------------	--------

Electrical connection

Connector: 1 x M12; coding: A



Connection

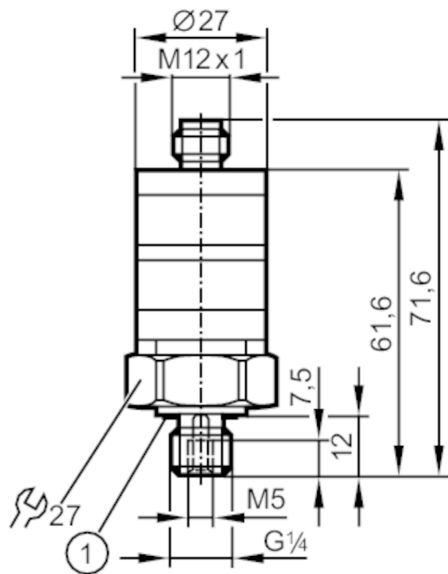


PK7520



Pressure switch with intuitive switch point setting

PK-400-SFG14-QSPKG/US/ IW



1 sealing



Product characteristics			
Number of inputs and outputs	Number of digital outputs: 2		
Measuring range	0...400 bar	0...5800 psi	
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		
Min. burst pressure	1600 bar	23200 psi	160 MPa
Pressure rating	600 bar	8700 psi	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		
Output function	normally open		



Pressure switch with intuitive switch point setting

PK-400-SFG14-QSPKG/US/ /W

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...5800 psi
Set point SP	12...400 bar	174...5800 psi
Hysteresis	8 bar	116 psi

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]	668
Pressure equipment directive	sound engineering practice; can be used for group 2 fluids; group 1 fluids on request	

Mechanical data

Weight	[g]	94.5
Housing		tubular
Dimensions	[mm]	Ø 27 / L = 71.6
Material		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)

PK7520

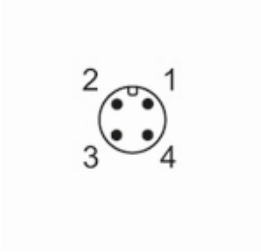


Pressure switch with intuitive switch point setting

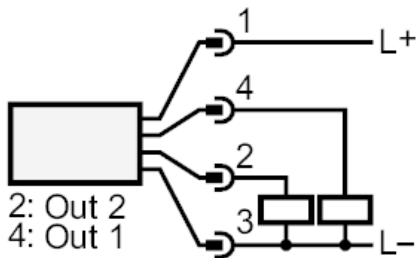
PK-400-SFG14-QSPKG/US/ /W

Displays / operating elements		
Display	Switching status	2 x LED, yellow
With scale		yes
Remarks		
Pack quantity		1 pcs.
Electrical connection		

Connector: 1 x M12; coding: A



Connection

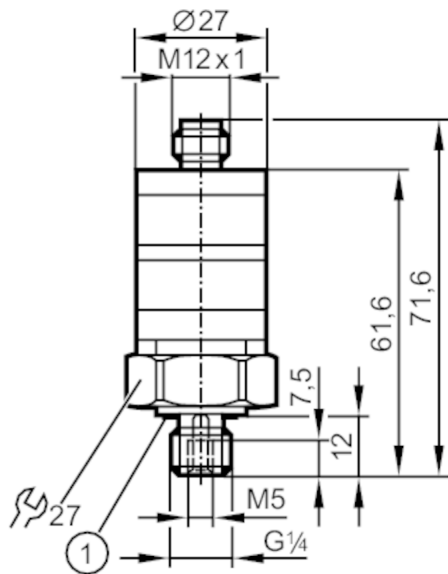


PK7521



Pressure switch with intuitive switch point setting

PK-250-SFG14-QSPKG/US/ IW



1 sealing



Product characteristics

Number of inputs and outputs	Number of digital outputs: 2	
Measuring range	0...250 bar	0...3625 psi
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		
Min. burst pressure	1000 bar	14500 psi	100 MPa
Pressure rating	400 bar	5800 psi	40 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
Output function	normally open



Pressure switch with intuitive switch point setting

PK-250-SFG14-QSPKG/US/ /W

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...250 bar	0...3625 psi
Set point SP	7.5...250 bar	109...3625 psi
Hysteresis	5 bar	72 psi

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	

Mechanical data	
Weight	[g] 94.5
Housing	tubular
Dimensions	[mm] Ø 27 / L = 71.6
Material	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)

PK7521



Pressure switch with intuitive switch point setting

PK-250-SFG14-QSPKG/US/ /W

Displays / operating elements

Display	Switching status	2 x LED, yellow
With scale		yes

Remarks

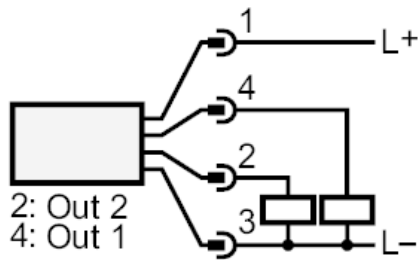
Pack quantity	1 pcs.
---------------	--------

Electrical connection

Connector: 1 x M12; coding: A



Connection

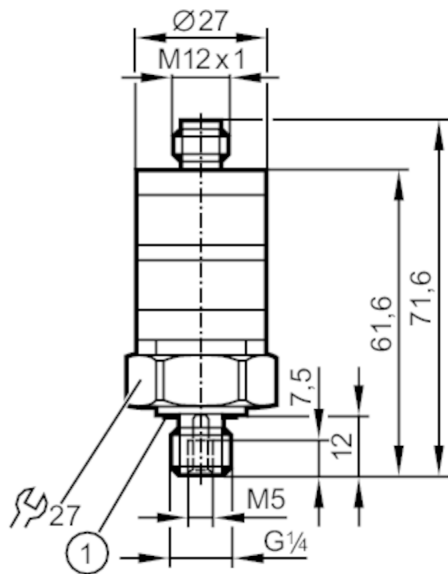


PK7522



Pressure switch with intuitive switch point setting

PK-100-SFG14-QSPKG/US/ IW



1 sealing



Product characteristics			
Number of inputs and outputs	Number of digital outputs: 2		
Measuring range	0...100 bar		0...1450 psi
Process connection	threaded connection G 1/4 external thread Internal thread:M5		
Application			
Application	for industrial applications		
Media	liquids and gases		
Medium temperature	-25...80		
Min. burst pressure	1000 bar	14500 psi	100 MPa
Pressure rating	200 bar	2900 psi	20 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		
Output function	normally open		



Pressure switch with intuitive switch point setting

PK-100-SFG14-QSPKG/US/ /W

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...100 bar	0...1450 psi
Set point SP	3...100 bar	45...1450 psi
Hysteresis	2 bar	29 psi

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]	513
Pressure equipment directive	sound engineering practice; can be used for group 2 fluids; group 1 fluids on request	

Mechanical data	
Weight	[g] 94
Housing	tubular
Dimensions	[mm] Ø 27 / L = 71.6
Material	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)

PK7522



Pressure switch with intuitive switch point setting

PK-100-SFG14-QSPKG/US/ /W

Displays / operating elements

Display	Switching status	2 x LED, yellow
With scale		yes

Remarks

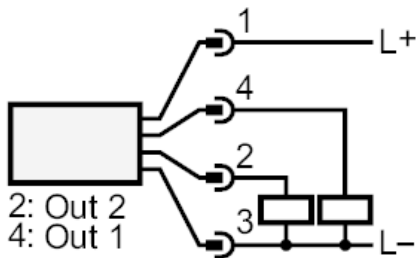
Pack quantity	1 pcs.
---------------	--------

Electrical connection

Connector: 1 x M12; coding: A



Connection

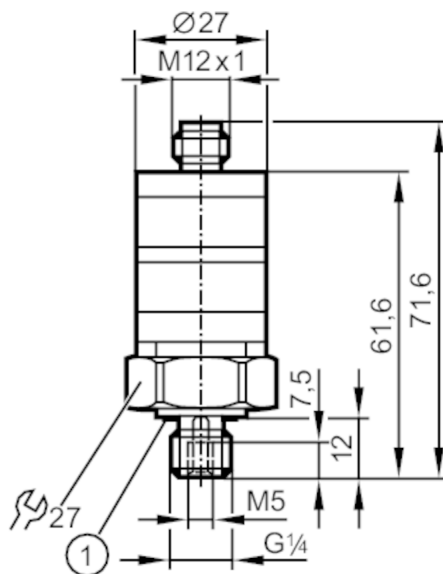


PK7524



Pressure switch with intuitive switch point setting

PK-010-RFG14-QSPKG/US/ IW



1 sealing



Product characteristics

Number of inputs and outputs	Number of digital outputs: 2		
Measuring range	0...10 bar	0...145 psi	
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		
Min. burst pressure	300 bar	4350 psi	30 MPa
Pressure rating	25 bar	362 psi	2.5 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
Output function	normally open



Pressure switch with intuitive switch point setting

PK-010-RFG14-QSPKG/US/ /W

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...10 bar	0...145 psi
Set point SP		0.3...10 bar	4.5...145 psi
Hysteresis		0.2 bar	2.9 psi
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		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	
Mechanical data			
Weight	[g]	92.5	
Housing		tubular	
Dimensions	[mm]	Ø 27 / L = 71.6	
Material		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)	

PK7524

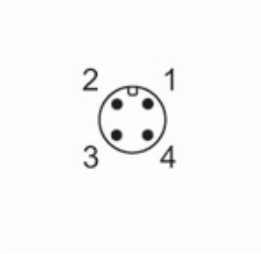


Pressure switch with intuitive switch point setting

PK-010-RFG14-QSPKG/US/ /W

Displays / operating elements		
Display	Switching status	2 x LED, yellow
With scale		yes
Remarks		
Pack quantity		1 pcs.
Electrical connection		

Connector: 1 x M12; coding: A



Connection

