

1: tightening torque 25 Nm



Product characteristics

Electronic pressure monitor

Quick disconnect

Process connection: R $\frac{1}{4}$  A / M5 I

2 switching outputs

normally open / closed complementary

Measuring range: 0...10 bar / 0...1 MPa

Application

Application

Type of pressure: relative pressure  
Liquids and gases

Pressure rating	25 bar	2.5 MPa
Bursting pressure min.	300 bar	30 MPa
Medium temperature [°C]	-25...80	

Electrical data

Electrical design

DC PNP

Operating voltage [V]	9.6...32 DC	
Current consumption [mA]	< 25	
Insulation resistance [MΩ]	> 100 (500 V DC)	
Protection class	III	
Reverse polarity protection	yes	

Outputs

Output

2 switching outputs  
normally open / closed complementary

Output function	complementary	
Current rating [mA]	500	
Voltage drop [V]	< 2	
Short-circuit protection	yes (non-latching)	
Overload protection	yes	
Switching frequency [Hz]	100	

Measuring / setting range

Measuring range	0...10 bar	0...1 MPa
Setting range		
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

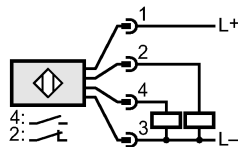
Deviations (% of value of measuring range)

Switch point accuracy	< $\pm 2.5$ *	
Characteristics deviation	< $\pm 1.5$ (BFSL) / < $\pm 2.5$ (LS) **	
Repeatability	< $\pm 0.5$	

**PK6734 - Electronic pressure monitor - eclass: 27201302 / 27-20-13-02**

Temperature drift ( / 10 K) in the temperature range [°C]	< ± 0.5 0...80
Software / programming Adjustment of the switch point	Setting rings
Environment 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 61000-4-5 Surge: 1 kV signal for DC units 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)
MTTF [Years]	540
Mechanical data Process connection	R¼ A / M5 I
Materials (wetted parts)	stainless steel 316L / 1.4404
Housing materials	PBT (Pocan); PC (Makrolon); FPM (Viton); stainless steel 316L / 1.4404
Switching cycles min.	50 million
Weight [kg]	0.091
Displays / operating elements Display	Power LED green Switching status LED yellow
Electrical connection Connection	M12 connector

**Wiring**



Remarks	
Remarks	* ) Setting accuracy ** ) BFSL = Best Fit Straight Line / LS = Limit Value Setting
Pack quantity [piece]	1