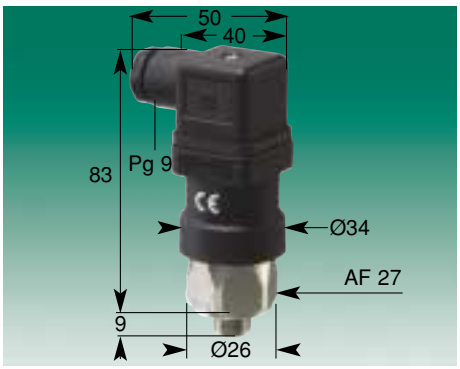
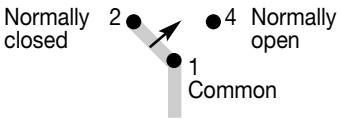


STAINLESS STEEL PRESSURE SWITCH WITH CHANGEOVER CONTACTS AND BUILT IN CONNECTOR, 250V

- Range from 0.5 - 5 Bar to 50 - 200 Bar
- Up to 600 Bar overpressure
- SPDT changeover contact
- Full stainless steel (1.4305) body
- Nitrile, EPDM, FKM seals

Type
0184 - diaphragm
0185 - piston

CHANGEOVER CONTACT DETAILS



TECHNICAL SPECIFICATION

Contact rating	250V/4A
Maximum operation	200/min
Temperature range	NBR -30 to +100°C EPDM -30 to +120°C FKM -5 to +120°C
Hysteresis adj.	10 to 30% (adjusted at factory)
Mechanical life:	
Diaphragm type	10^6 operations at pressures up to 50 Bar
Piston type	10^6 operations
Body material	Stainless steel (1.4305)
Protection	IP65
Vibration resistance	10g/5-200Hz sine-wave
Shock resistance	294m/s², 14ms half sine-wave
Weight	139g

ORDERING INFORMATION

Type 0184 with diaphragm			Thread type	Adjustment range (Bar)	Tolerance at room temp (Bar)	Static Overpressure (Bar)
018445703		SS	¼" BSP	0.5 - 5	± 0.2	300
018445803		SS	¼" BSP	1 - 10	± 0.5	
018445903		SS	¼" BSP	10 - 50	± 3.0	
018446103		SS	¼" BSP	10 - 100	± 3.0 - 5.0	
Type 0185 with piston						
018546003		SS	¼" BSP	50 - 200	± 5.0	600

Insert seal number

	Material	Suitable for
1	Nitrile (NBR)	Hydraulic/machine oil, heating oil, turpentine, air etc
2	EPDM	Hydrogen, Acetylene, Ozone, Brake Fluid etc
3	FKM	Hydraulic fluid (i.e. HFA, HFB, HFC, HFD), Petrol/gasoline etc

N.B Piston pressure switches are not suited for gaseous media, especially not for the use of oxygen.

Please note that all switches can be set & adjusted via the central turning screw. N.B. When using oxygen, the relating accident prevention regulations are to be observed. Above that, we recommend not to exceed a maximum operational pressure of 10 bar.