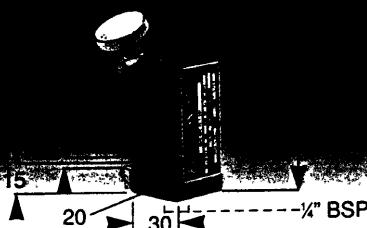


SUCO

PRESSURE AND VACUUM SWITCHES

Type

0165



CHANGEOVER CONTACT DETAILS



Note: The three core cable is moulded into the switch.

1 = White
2 = Green
4 = Brown

TECHNICAL DATA

Contact rating	0.25A at 250Vdc and 1A at 25Vac
Maximum operation	200/min
Temperature range	-30°C to +80°C (According to diaphragm/piston seal material)
Maximum voltage	250VAC
Hysteresis	10 to 30%
Mechanical life	10 ⁶ operations
Body material	Aluminium (AlMg Si 1 F 28)
Protection	IP65
"Cenelec" approval	EEx d11 C T6
Test certificate no.	PTB-No Ex 84/1052
Length of cable	2 m (standard)
Connection type	Bottom entry, 1/4" BSP female

There are three diaphragm/piston types available, each one suitable for the following mediums.

SUCO Diaphragm type	Material	Suitable for
1	Nitrile (NBR)	Hydraulic oil, engine oil, heating oil, turpentine, air
2	EPDM	Water, Hydrogen, Seawater, Acetylene, Ozone, Oxygen, Brake Fluid
3	Viton (FKM)	Hydraulic fluid (i.e. HFA, HFB, HFC, HFD), Gasoline

Type 0165 with diaphragm	Adjustment range in Bar	Tolerance in Bar at room temp	Overpressure up to Bar*
44814	001	1 - 6	200*
44914	001	5 - 50	

Type 0165 with piston	Adjustment range in Bar	Tolerance in Bar at room temp	Overpressure up to Bar*
45014	001	20 - 100	600*
45114	001	100 - 400	

* Over pressure safety levels refer to the hydraulic or pneumatic part of the pressure switch.

To order: Select pressure range, insert a 1, 2 or 3 for the diaphragm/piston seal suitable for the liquid/medium being used.
e.g. 20 - 100 bar, being used with heating oil would be as below.

Order info:

0	1	6	5	4	5	0	1	4	1	0	0	1
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The switches are set by loosening the locking nut and turning the knurled adjustment screw either clockwise to increase or anticlockwise to decrease the switchpoint.
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.