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SUCO - 0184/0185 PRESSURE SWITCH

IP65

0184461031012
10..100 bar, G1/4, CO, NBR, DIN



- Up to 250 V
- Connector included (DIN 43650/Form A)
- Five adjustment ranges from 0,3..1,5 bar to 50..200 bar
- Changeover (SPDT)
- Over pressure safety from 100 bar up to 600 bar

PRODUCT DESCRIPTION

The **Suco 0184/0185 series** are compact, yet robust mechanical pressure switches built into a zinc-plated steel housing (HEX 27 mm), designed for reliable monitoring up to 250 V with silver-contacted SPDT snap-action micro-switches rated for 4 A resistive. The **0184** features a diaphragm design, while the **0185** uses a piston mechanism; both support five field-adjustable pressure ranges and deliver factory-set differentials between 10–30%. They also offer impressive overpressure protection—up to 100 bar (1,450 psi) for diaphragm models and up to 300 bar (4,350 psi) for piston versions. Sealing options include NBR, EPDM, FKM (Viton®), and HNBR, providing compatibility with a broad range of fluids and temperature conditions (e.g., NBR: –30 °C to +100 °C; EPDM/FKM: up to +120 °C).
Engineered for harsh environments, the 0184/0185 switches offer IP65 ingress protection (with connector installed), vibration resistance of 10 g (5–200 Hz), and shock endurance of 294 m/s² over 14 ms. Installation is streamlined via the integrated DIN EN 175301-type connector, enabling rapid wiring and straightforward field replacement. These switches are ideal for mobile hydraulic systems, industrial machinery, HVAC controls, water treatment plants, and safety interlock applications where precise pressure thresholds and high durability are essential.

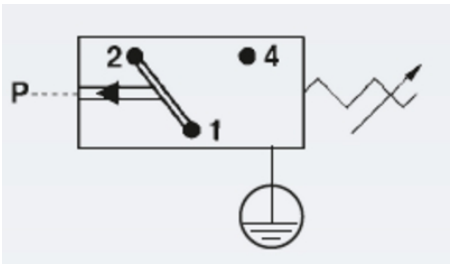
TECHNICAL DATA

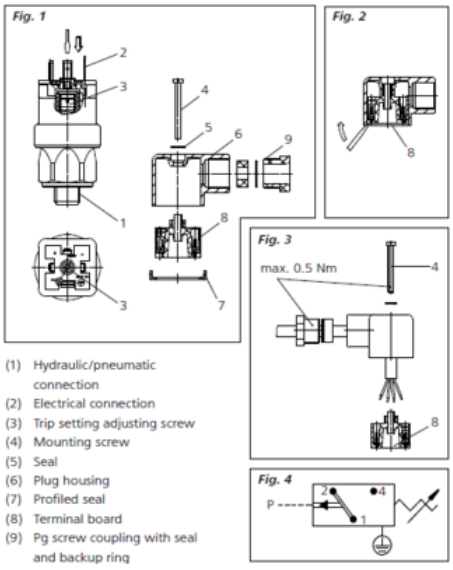
Adjustment range min	10 bar
Adjustment range max	100 bar
Pressure max	300 bar
Function	Changeover (SPDT)
Electrical connection	DIN EN 175301-803-A
IP class	IP65
Approvals	CSA US, RoHS II
Material of body	Galvanized steel
Material of wetted parts	Galvanized steel, NBR
Material membrane	NBR

Temperature of media from	-40 °C
Temperature of media to	100 °C
Contact load max ac	4 A
Contact load max dc	0.25 A
Voltage ac/dc max	250 V
Voltage ac/dc min	10 V
Temperature ambient from	-20 °C
Temperature ambient to	80 °C
Deviation max	±3,0-5,0
Max switching frequency/min	200
Process connection	1/4 BSP
Weight	130 g

Type Pressure Switch	High accuracy







(1) Hydraulic/pneumatic connection
(2) Electrical connection
(3) Trip setting adjusting screw
(4) Mounting screw
(5) Seal
(6) Plug housing
(7) Profiled seal
(8) Terminal board
(9) Pg screw coupling with seal and backup ring



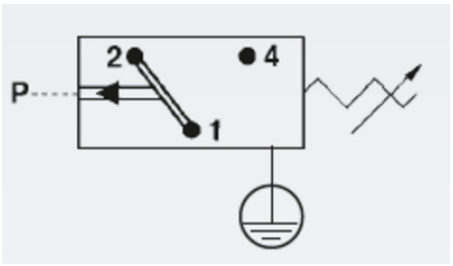


Fig. 1

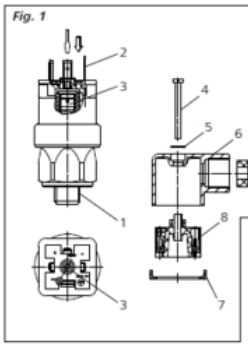


Fig. 2

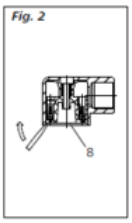


Fig. 3

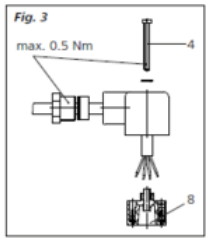
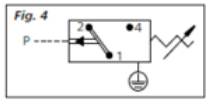


Fig. 4



(1) Hydraulic/pneumatic connection
(2) Electrical connection
(3) Trip setting adjusting screw
(4) Mounting screw
(5) Seal
(6) Plug housing
(7) Profiled seal
(8) Terminal board
(9) Pg screw coupling with seal and backup ring