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SUCO - 0340/0341 PRESSURE SWITCH

ATEX rated

0340457033003
0,3..1,5 bar, G1/4, CO, FKM, 2M cable, EX



- Dust protected zone 22
- Up to 250 V
- Five adjustment ranges from 0,3..1,5 bar to 50..150 bar
- Changeover (SPDT)
- Overpressure safety of 300 bar or 600 bar

PRODUCT DESCRIPTION

The Suco 0134 and 0135 series are rugged mechanical pressure switches engineered for demanding industrial, automotive, mobile hydraulics, water management, and braking system applications. Both feature a robust hex-27 zinc-plated steel housing with an integrated M12×1 connector and SPDT (changeover) silver-contact micro-switch, rated up to 48 V and 4 A resistive, ensuring reliable electrical performance. With protection rating IP67, these switches endure harsh environments without compromising functionality. Users have flexibility with five adjustable pressure ranges spanning from 0.3–1.5 bar up to 50–200 bar, offering on-site or factory preset switching points; hysteresis lies between 10–30 percent based on the setting. Overpressure safety ensures system protection up to 100 bar for diaphragm models and up to 600 bar for piston versions.

Designed for precise pressure control, the 0134/0135 switches deliver stable set-points even after extended operation and high-pressure cycling. They are built to withstand mechanical stress with vibration resistance at 10 g (5–200 Hz), shock survival to 294 m/s² (14 ms), and up to 1 million switching cycles. Sealing is available in NBR as standard, with optional EPDM, FKM (Viton®), and HNBR to suit different media types and temperature conditions (–30 °C to +100 °C ambient, –20 °C to +80 °C for the switch itself). Installation versatility is ensured by offering multiple process connections—G1/4, M10×1 taper, M12×1.5, BSPP, NPT and UNF options—making the 0134/0135 series highly adaptable across hydraulic systems, pneumatic controls, braking circuits, and water technology setups.

TECHNICAL DATA

Adjustment range max	1.5 bar
Adjustment range min	0.3 bar
Approvals	CE, CSA US, Atex Ex II 3D IP65 T90°, RoHS II
Contact load max ac	2 A
Deviation max	±0,2
Electrical connection	Embedded 2m cable
Function	Changeover (SPDT)
IP class	IP65
Material membrane	FKM

Material of body	Zinc-plated steel
Material of wetted parts	FKM, Zinc-plated steel
Max switching frequency/min	200
Pressure max	300 bar
Process connection	1/4 BSP
Shock resistance	294m / s²; 14 ms half sinusoidal wave; DIN EN 60068-2-27
Temperature ambient from	-20 °C
Temperature ambient to	80 °C
Temperature of media from	-5 °C
Temperature of media to	80 °C
Vibration resistance	10g: 5..200 Hz sine wave, DIN EN 60068-2-6
Voltage ac max	250 V
Voltage ac min	10 V
Weight	230 g

