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SUCO - 0134/0135 PRESSURE SWITCH

IP67

0134461031012
10..100 bar, G1/4, CO, NBR, M12x1



- Up to 48 V
- M12x1 integrated connector
- 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

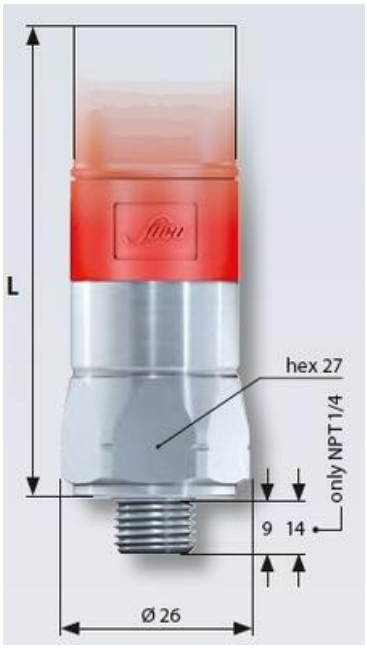
The Suco 0134 and 0135 series are rugged mechanical pressure switches engineered for demanding industrial, automotive, mobile hydraulics, water management, and braking system applications. Both feature a robust hex-27 zinc-plated steel housing with an integrated M12×1 connector and SPDT (changeover) 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.

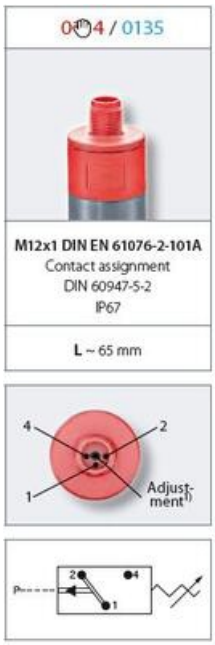
Designed for precise pressure control, the 0134/0135 switches deliver stable set-points even after extended operation and high-pressure cycling. They are built to withstand mechanical stress with vibration resistance at 10 g (5–200 Hz), shock survival to 294 m/s² (14 ms), and up to 1 million switching 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.

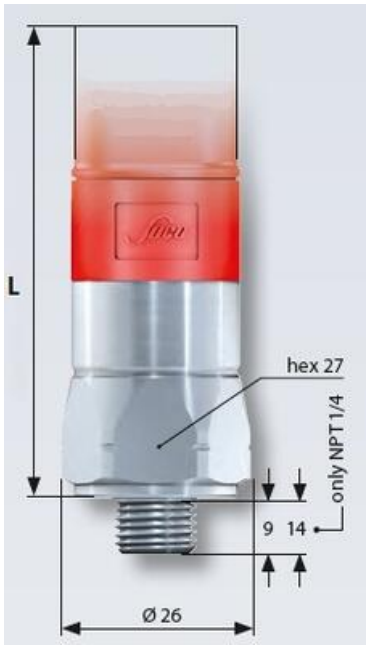
TECHNICAL DATA

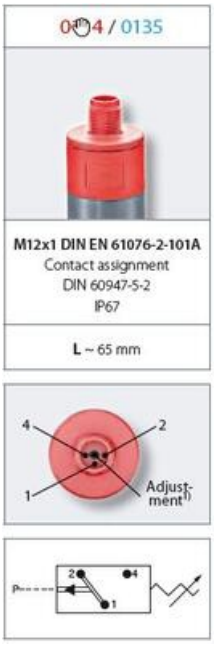
Adjustment range max	100 bar

Adjustment range min	10 bar
Approvals	CSA US, RoHS II
Contact rating max	4 A
Deviation max	±3,0-5,0
Electrical connection	M12
Function	Changeover (SPDT)
Hysteresis	10-30% depending on set value
IP class	IP67
Material membrane	NBR
Material of body	Zinc-plated steel
Material of wetted parts	Zinc-plated steel, NBR
Max switching frequency/min	200
Mechanical life expectancy	1 million exchanges
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	-40 °C
Temperature of media to	100 °C
Type Pressure Switch	High accuracy
Vibration resistance	10g: 5..200 Hz sine wave, DIN EN 60068-2-6
Voltage ac/dc max	48 V
Weight	100 g


L
hex 27
only NPT 1/4
9
14
Ø 26


0134 / 0135
M12x1 DIN EN 61076-2-101A
Contact assignment
DIN 60947-5-2
IP67
L ~ 65 mm
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Adjust-
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L
hex 27
only NPT 1/4
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