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SUCO - 0132/0133 PRESSURE SWITCH

IP67

0133460031003
50..200 bar, G1/4, CO, NBR, TE AMP Superseal®



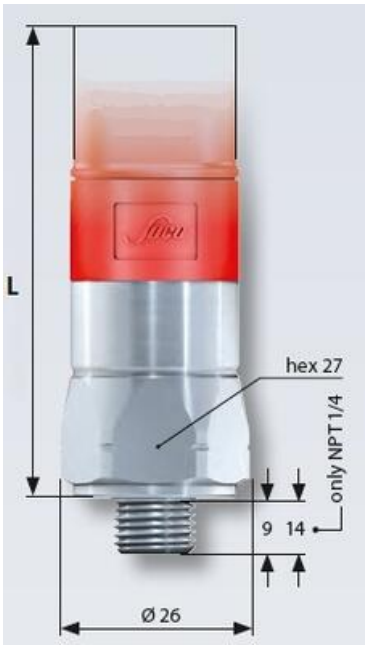
- Up to 48 V
- TE AMP Superseal 1.5® integrated connector
- Five adjustment ranges from 0,3..1,5 bar to 50..200 bar
- Changeover (SPDT)
- Over pressure safety from 100 bar up to 600 bar

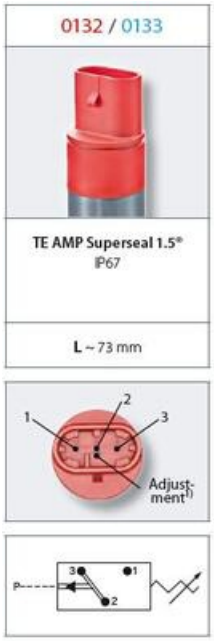
PRODUCT DESCRIPTION

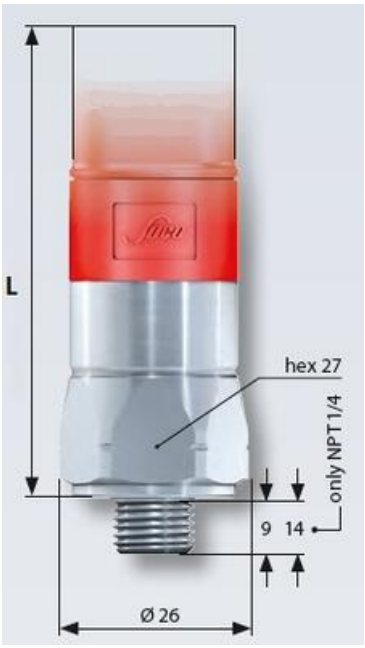
The **SUCO 0132 (diaphragm)** and **0133 (piston)** pressure switches are robust, hex-27 mm mechanical devices with an integrated TE AMP Superseal 1.5® connector, offering IP67 protection suitable for harsh environments. They support a wide voltage range up to 48 V and can switch currents up to 4 A resistive or 250 V AC/DC, using durable snap-action silver contacts (gold optional). Field-adjustable switching ranges span from as low as 0.3 bar up to 200 bar, with factory-preset options available. Overpressure safety is impressive, up to 100 bar for diaphragms and up to 600 bar for pistons, depending on the model and thread variant. These units also feature factory-set hysteresis (10–30%) and meet rugged durability standards: mechanical life reaching 1 million cycles (for ≤ 50 bar diaphragm types), resistance to vibration (10 g) and shock (294 m/s²), and fast pressure rise tolerance (≤ 1 bar/ms).
The 0132 diaphragm switch excels in medium-pressure hydraulic systems, pneumatic controls, and mobile equipment monitoring, offering precise on-site configuration and reliable detection in oil, air, or inert gas media. The 0133 piston variant, with its extended range up to 200 bar and high overpressure tolerance, is ideal for demanding hydraulic circuits, high-pressure oil lines, brake systems, and industrial pressurised environments. Their integrated Superseal connector simplifies installation and maintenance in tight or wet settings, while the zinc-plated steel (Cr VI-free) body and selectable seal materials ensure compatibility with a wide range of fluids ,including oils, chemicals, brake fluids, and mild acids, making them versatile for OEM, off-highway, and industrial process applications.

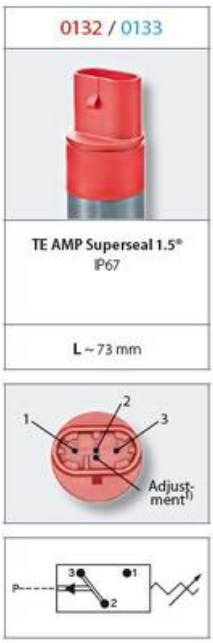
TECHNICAL DATA

Adjustment range max	200 bar
Adjustment range min	50 bar
Approvals	CSA US, RoHS II
Contact rating max	4 A
Deviation max	±5,0
Electrical connection	AMP Superseal
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	600 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


0132 / 0133
TE AMP Superseal 1.5®
IP67
L ~ 73 mm
1
2
3
Adjust-
ment1)
P
3
1
2


L
hex 27
only NPT 1/4
9
14
Ø 26


0132 / 0133
TE AMP Superseal 1.5®
IP67
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