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SUCO - 0136/0137 PRESSURE SWITCH

IP67, IP6K9K

0137460031003
50..200 bar, G1/4, CO, NBR, Deutsch DT04-3P

- Up to 48 V
- Deutsch DT04-3P® 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

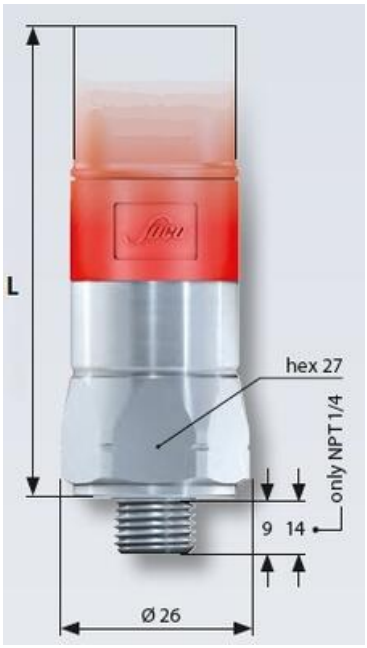
PRODUCT DESCRIPTION

The SUCO 0136/0137 series mechanical pressure switches feature a rugged hex-27 zinc-plated steel body with integrated Deutsch DT04-3P® connector, rated for up to 48 V AC/DC. They provide SPDT (changeover) switching with both normally open and normally closed contacts and boast IP67 and IP6K9K protection, ideal for demanding environments. These switches offer five selectable adjustment ranges, with maximum pressure ratings from 100 bar to as high as 600 bar over-pressure safety depending on the variant. Key performance specs include a contact rating of up to 4 A, switching repeatability within ±0.2–5 bar, hysteresis of 10–30%, mechanical life expectancy of one million cycles, vibration resistance up to 10 g, and shock robustness to 294 m/s²—all operating across –30 °C to +100 °C (media) and –20 °C to +80 °C (ambient).
These rugged SUCO switches are designed for real-world industrial applications where reliable pressure detection is critical. Their integrated Deutsch connector and high IP rating make them perfect for mobile hydraulics and off-road automotive systems, where dirt, vibration, and moisture are constant challenges. They're also widely used in fluid systems such as water pumps and braking circuits, enabling precise pressure monitoring and safety cutoff at set thresholds. The ability to adjust switch points onsite provides flexibility during installation and maintenance. With over-pressure protection and long-cycle durability, these switches are a trusted choice in sectors like construction, agriculture, vehicle braking, and general industrial fluid control.

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	Deutsch DT04-3P
Function	Changeover (SPDT)
Hysteresis	10-30% depending on set value
IP class	IP67, IP6K9K
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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hex 27
only NPT 1/4
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0136 / 0137
Deutsch DT04-3P®
IP67, IP6K9K
L ~ 71 mm
Adjust-ment
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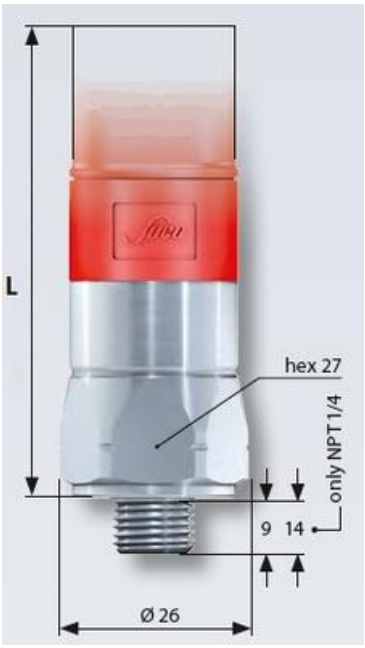
B
A
C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