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SUCO - 0122/0123 PRESSURE SWITCH

IP67

0122412031047
10..20 bar, G1/4, Nc, NBR, M12x1

- Up to 42 V
- M12x1 integrated connector
- Six adjustment ranges from 0,1..1 bar to 50..150 bar
- Normally open or normally closed
- Overpressure safety of 300 bar or 600 bar

PRODUCT DESCRIPTION

The SUCO 0122/0123 series features compact, rugged diaphragm-style mechanical pressure switches with an integrated M12×1 connector and zinc-plated steel HEX-24 housing, conforming to DIN EN 61076-2-101-A standards and IP67/IP6K9K ingress protection. They operate up to 42 V AC/DC with a resistive contact rating of 4 A, offering SPST normally open or closed contacts. The switches allow six field-adjustable pressure ranges with overpressure resistance up to 300 bar (diaphragm type) and higher ranges up to 600 bar. Technical specifications include excellent repeatability, fast switching frequency (up to 200 cycles/min), and a long mechanical life expectancy of 1 million cycles. Warranty against harsh conditions includes vibration tolerance (10 g, 5–200 Hz), shock resistance (294 m/s²), and superior seal compatibility—NBR, EPDM, FKM, FFKM, HNBR, and silicones—covering broad media types and temperature tolerances from –40 °C up to +120 °C depending on seal material.
These switches serve as reliable pressure monitors and safety devices in mobile hydraulic systems, industrial machinery, water and braking systems, and pneumatic setups. Their compact HEX-24 design with integrated M12 connector enables quick installation and secure electrical connections even in tight engine bays or control panels. On-site adjustability and factory pre-setting options allow technicians to calibrate switch points precisely for pump start/stop control, system protection, leak detection, or interlock management. With robust overpressure tolerance, IP67 dust/water resistance, and compatibility with hydraulic oils, fuels, and aggressive media, the 0122/0123 ensures reliable long-term operation in harsh, heavy-duty environments like construction, agriculture, and off-highway equipment.

TECHNICAL DATA

Adjustment range min	10 bar
Adjustment range max	20 bar
Pressure max	300 bar
Function	Normally Closed
Electrical connection	M12
IP class	IP67
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 rating max	4 A
Voltage ac/dc max	42 V
Voltage ac/dc min	10 V
Temperature ambient from	-20 °C
Temperature ambient to	80 °C
Deviation max	±1,0
Max switching frequency/min	200
Process connection	1/4 BSP
Weight	90 g

Type Pressure Switch	High accuracy

0122 / 0123

M12x1 DIN EN 61076-2-101-1

IP67

H ≈ 51 mm