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SUCO - 0110/0111 PRESSURE SWITCH

IP67, IP6K9K

0111419031011
50..150 bar, G1/4, No, NBR, Deutsch DT04-2P



- Up to 42 V
- Deutsch DT04-2P integrated connector
- Six adjusment 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 0110/0111 mechanical pressure switches are compact, rugged devices featuring an integrated Deutsch DT04-2P connector and housed in a durable zinc-plated hex-24 mm steel body, rated to IP67/IP6K9K for harsh environments. They operate up to 42 VAC/DC and switch up to 4 A resistive using SPST silver contacts, available in normally open (0110) or normally closed (0111) configurations. The field-adjustable setpoint ranges span six bands, from 0.1–1 bar up to 50–150 bar, with a precision deviation of about ±0.2–0.5 bar. These switches offer strong overpressure resistance (300 bar standard, with 600 bar versions available), can handle fast pressure changes up to 1 bar/ms, and deliver high endurance with switching frequencies up to 200/min and mechanical lifespans reaching 1 million cycles. Seal material options including NBR, EPDM, and FKM ensure compatibility with media such as hydraulic oil, water, brake fluid, and fuels across a broad temperature range (–40 °C to +120 °C depending on the seal).
These switches are ideal for demanding applications in automotive systems, mobile hydraulics, water handling, and braking circuits. Their compact size and integrated Deutsch connector make them easy to install and replace in tight or rugged installations such as agricultural machinery, construction vehicles, and industrial process systems. The diaphragm-based 0110 excels in sensitive low- to mid-pressure monitoring (0.1 to 50 bar), while the piston-equipped 0111 ensures reliable detection in higher pressure scenarios. With robust overpressure capacity, adjustable setpoints, and high durability, these switches are trusted components for pump control, system protection, fault detection, and safety interlocks in challenging environments.

TECHNICAL DATA

Adjustment range max	150 bar
Adjustment range min	50 bar
Approvals	CSA US, RoHS II
Contact rating max	4 A
Deviation max	±5,0
Electrical connection	2-pole Deutsch
Function	Normally open
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
Pressure max	600 bar
Process connection	1/4 BSP
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
Voltage ac/dc max	42 V
Voltage ac/dc min	10 V
Weight	90 g







0110 / 0111



Deutsch
DT04-2P

IP67, IP6K9K

H ≈ 61 mm

