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# SUCO - 0116/0117 PRESSURE SWITCH

IP67, IP6K9K

0116415282615
20..50 bar, G1/8, No, EPDM, Deutsch DT04-3P



- Up to 42 V
- Deutsch DT04-3P 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 0116 & 0117 models are rugged hex-24 mm mechanical pressure switches designed for harsh hydraulic and pneumatic environments. Model 0116 features a diaphragm design with a field-adjustable range of approximately 1.45–725 psi (0.1–50 bar), while the 0117-piston version covers higher pressures (725–2,175 psi or 50–150 bar). Both utilise zinc-plated Cr VI-free steel bodies with Deutsch DT04-3P connectors rated IP67/IP6K9K when mated. They operate up to 42 VAC/DC at 4 A resistive (100 W DC, 100 VA AC), with silver contacts for reliable switching. Overpressure safety ratings reach up to 600 bar for 0117 and 300 bar for 0116. The differential is non-adjustable, averaging around 5–30% of setpoint, and the switches deliver high durability: up to 1 million cycles mechanically, switching rates around 200/min, with excellent shock/vibration tolerance and full IP protection.
In practice, these switches excel in demanding mobile-hydraulic systems, industrial machinery, off-highway equipment, and process plants. The 0116 diaphragm switch is ideal for low to mid-pressure monitoring in hydraulic lines controlling transmissions, steering systems, compressors, or filtration systems. The 0117 piston version is better suited for higher pressure circuits such as heavy-duty actuation, brake monitoring, and high-pressure oil systems. Users appreciate on-site setpoint adjustment, stainless connector robustness under harsh conditions, and high overpressure margins that safeguard against transient spikes. These reliable, precision switches ensure efficient pump control, fault detection, and pressure safety in environments ranging from agriculture and construction to OEM integration.

# TECHNICAL DATA

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|---|---|
| **Adjustment range max** | 50 bar |
| **Adjustment range min** | 20 bar |
| **Approvals** | CSA US, RoHS II |
| **Contact rating max** | 4 A |
| **Deviation max** | ±2,0 |
| **Electrical connection** | Deutsch DT04-3P |
| **Function** | Normally open |
| **IP class** | IP67, IP6K9K |
| **Material membrane** | EPDM |

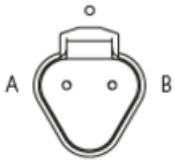
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|---|---|
| **Material of body** | EPDM, Zinc-plated steel |
| **Material of wetted parts** | Zinc-plated steel, NBR |
| **Max switching frequency/min** | 200 |
| **Pressure max** | 300 bar |
| **Process connection** | 1/8 BSP |
| **Temperature ambient from** | -20 °C |
| **Temperature ambient to** | 80 °C |
| **Temperature of media from** | -30 °C |
| **Temperature of media to** | 120 °C |
| **Voltage ac/dc max** | 42 V |
| **Voltage ac/dc min** | 10 V |
| **Weight** | 90 g |









| 0116 / 0117 |
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| **Deutsch DT04-3P** |
| IP67, IP6K9K |
| H ≈ 63 mm |
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