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SUCO - 0118/0119 PRESSURE SWITCH

IP65, IPx4K

0119420281604
50..150 bar, G1/8, Nc, NBR, AMP Junior Timer®

- Up to 42 V
- AMP Junior Timer® integrated connector
- Six adjustment ranges from 0,1..1 bar to 50..150 bar
- Normally open or normally closed
- Overpressure saftey of 300 bar or 600 bar

PRODUCT DESCRIPTION

The SUCO 0118/0119 series is a compact, robust mechanical pressure switch housed in a zinc-plated hex-24 steel body with an integrated AMP Junior Timer® connector. It delivers reliable operation up to 42 V AC/DC with both normally open (NO) and normally closed (NC) SPST contacts. The switch offers six adjustable pressure ranges each featuring excellent repeatability (±0.2 bar or better depending on range), a max switching frequency of 200/min, and an impressive mechanical life expectancy of 1 million cycles. Rated to IP65 and IPx4K, these units resist harsh environments and can withstand overpressure spikes to 300 bar (for lower ranges) or up to 600 bar in higher variants. They are also temperature-tolerant, operating in ambient ranges of –20 °C to 80 °C, and handling media from –40 °C up to 120 °C depending on seal material (NBR, EPDM, or FKM).
These switches are engineered for precise, site-adjustable pressure monitoring in demanding applications: mobile hydraulics, automotive systems, water pumps, and braking systems. The on-site adjustability makes them ideal for system tuning or retrofit, while high IP ratings and zinc-plated housings ensure resilience in outdoor and wash-down settings. With a rugged design and high over-pressure safety margin, the 0118/0119 is well-suited for both standard hydraulic control and safety-critical applications in industrial machinery where robust performance and reliability are paramount.

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	AMP Junior Timer
Function	Normally Closed
IP class	IP65, IPx4k
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	1/8 BSP
Temperature ambient from	-20 °C
Temperature ambient to	80 °C
Temperature of media from	-40 °C
Temperature of media to	100 °C
Voltage ac/dc max	42 V
Voltage ac/dc min	10 V
Weight	90 g

0118 / 0117

AMP
Junior Timer®

IP65, IPx4K

H ≈ 54 mm