

8151-PL1-B Barksdale 350bar 250VAC/DC Piston Pressure Switch Datasheet



SKU: [1027524318586](#)

Category: Process Sensors

Price: **\$642.43**

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Product Description

The Barksdale 8151-PL1-B is a high-performance Series 8000 piston-actuated pressure switch engineered for demanding hydraulic systems requiring precise setpoint control between 50bar and 350bar. This compact unit features a robust aluminium diecast housing and a chemically nickel-plated steel piston, ensuring long-term durability under high-cycle conditions. It is rated for a maximum system pressure of 600bar and utilizes SPDT silver microswitch contacts for reliable electrical switching up to 250V. The integrated NBR seals and PTFE-bronze piston sealing provide excellent chemical compatibility and low friction, while the IP65-rated DIN EN 175301-803A cube plug ensures secure electrical termination in industrial environments.

8151-PL1-B Specifications

Model Number: 8151-PL1-B

Part Number: 0417-015

Brand: Barksdale

Product Category: Compact Piston Pressure Switch

Pressure Range: 50 to 350 bar (750 to 5,000 psi)

Proof Pressure: 600 bar (8,700 psi)

Electrical Rating AC: 250V / 2.0A

Electrical Rating DC: 250V / 0.2A

Contact Type: SPDT (Single Pole Double Throw)

Contact Material: Fine Silver

Electrical Connection: Cube Plug DIN EN 175301-803A (Type PL1)

Process Connection: CETOP Flange (40 x 40 mm)

Housing Material: Aluminium Diecast 230

Sealing Material: NBR (Nitrile Rubber) and PTFE with Bronze

Piston Material: Steel (Chemically Nickel-Plated and Heat Treated)

Repeatability: $\pm 1\%$ (Typical for Piston Type)

Switching Rate: Max. 60 cycles/min

Operating Temperature: -40°C to $+80^{\circ}\text{C}$

Protection Class: IP65

Weight: Approx. 0.327 kg

Dimensions: 82 x 40 x 91 mm

Approvals: GL, ATEX (Optional), cULus

8151-PL1-B Applications

High-pressure hydraulic power units, industrial plastic injection molding machinery, mobile hydraulic systems, and heavy-duty machine tool lubrication monitoring." monitoring.

Supplemental Images

