

Fluid Power
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Control
Control every move



Barksdale
CONTROL PRODUCTS
CRANE Barksdale, Inc./Barksdale GmbH
A Subsidiary of Crane Co.

Barksdale – State-of-the-Art Solutions

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Today's markets demand flexible and dynamic suppliers of innovative products, efficient management and comprehensive customer service.

For more than 50 years Barksdale has been developing and distributing state-of-the-art solutions for the mechanical and electronic control of pressure, level, flow and temperature.

Due to the knowledge of our customers' requirements and the global distribution network we are able to develop new products or customize products to meet specific application parameters while using standard components.

Whether in mobile or stationary hydraulics or in mechanical engineering and machine tools, oil and gas exploration or in shipbuilding, Barksdale takes care of a high safety standard in many markets.

According to our motto "Control every move" we guarantee our customers the highest degree of satisfaction. With our experience, the know-how and the personal dedication we also realize your wishes and requirements.

Pressure electronic



Switch 2000 Electronic Pressure Switch

- ▶ Measuring ranges: 0...1 bar to 0...600 bar (15 to 9,000 psi), bar gauge
- ▶ 2 set point, freely adjustable
- ▶ 7-segment LED display
- ▶ Self monitoring
- ▶ cULus approval
- ▶ Analog output: 4...20 mA / 0...10 VDC

Applications

OEM-applications, hydraulics, pneumatics, mechanical and molding engineering, automobile industry, machine tools



UDS3-V3 Electronic Pressure Switch

- ▶ Measuring ranges: 0...1 bar to 0...10 bar (0...15 psi to 0...150 psi), absolute pressure -1...1 bar to 0...600 bar, (-15 psi...15 psi to 0...9,000 psi), gauge
- ▶ 4 switch outputs, 1 analog output
- ▶ 8-digit 14-segment LED display, green
- ▶ With unit selection
- ▶ Quick scanning rate (1000 s)
- ▶ Analog output: 4...20 mA / 0...10 VDC
- ▶ cULus approval

Applications

OEM-applications, hydraulics, pneumatics, heavy industry, mechanical engineering, automobile industry



UPA 2 Electronic Pressure Transducer

- ▶ Measuring ranges: 0...1 bar to 0...10 bar, (0...15 psi to 0...150 psi), absolute pressure -1...0 bar to 0...800 bar (-15...0 psi to 0...12,000 psi), gauge
- ▶ Analog output: 4...20 mA / 0...10 VDC
- ▶ Optional with flush diaphragm for viscous media
- ▶ GL approval

Applications

OEM-applications, hydraulics, pneumatics, test beds, shipbuilding, offshore

Pressure mechanical

Serie 8000 Compact Pressure Switch

- ▶ Adjustable ranges: 0.6...600 bar (8.7...8,700 psi)
- ▶ High proof pressure: up to 900 bar (13,053 psi)
- ▶ Adjustable or fixed set points
- ▶ Modular construction: various process and electrical connections
- ▶ Optional: UL (Nema 4), CSA-approvals
- ▶ EEx ia versions according to ATEX
- ▶ Compact, rugged, economical

Applications

Mobile and stationary hydraulics, pneumatics, test beds, heavy industry, OEM-applications



9671X / 9681X / 9692X Compact Pressure Switch

- ▶ Explosion proof housing according to ATEX
- ▶ Adjustable ranges: 0.034 bar ...-1 bar (0.5...-14 psi), Vakuum, 9671X
1...517 bar (12...7,500 psi), 9681X / 9692X
- ▶ Adjustable or fixed set points
- ▶ Tamper resistant cover
- ▶ 1 switching contact SPDT
- ▶ EEx i and EEx d versions

Applications

Process industry, petrochemical plants, machine tool industry, compressors



B1T / B2T Bourdon Tube Pressure Switch

- ▶ Adjustable ranges: 5.4...950 bar (78...13,780 psi)
- ▶ EEx ia versions according to ATEX
- ▶ UL and CSA listed; Class 1: Division 1
- ▶ Low to high contact loads
- ▶ Rugged and economical
- ▶ Option 2 SPDT contacts

Applications

pump control, injection moulding machines, press control, power stations

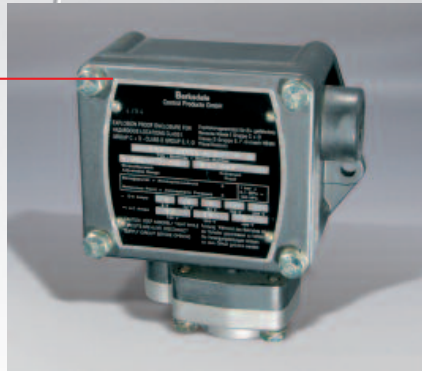
P1X

Diaphragm Seal Piston Pressure Switch

- ▶ Adjustable ranges: 0.07 bar...110 bar (1...1,600 psi)
- ▶ 1 switch contact, adjustable
- ▶ Switching Frequency: max. 20/min
- ▶ $\pm 2\%$ repeatability
- ▶ Process connection 1/4" NPT IG, 1/2" NPT IG, aluminium or stainless steel
- ▶ Electrical connection: screw terminals
- ▶ Protection class: IP65
- ▶ Optional: microswitch gold plated, hermetically sealed
- ▶ Approvals: EEx i, UL CSA
- ▶ Vibration proof

Applications

Hydraulics, pneumatics, shipbuilding, oil & gas



Level Level



ULS 7 Electronic Level Switch

- ▶ Ultrasonic measuring principle
- ▶ Measuring ranges: 50...300 mm up to 400 ... 3,000 mm (2... 12 inch to 16...120 inch)
- ▶ 2 set points, freely adjustable
- ▶ 7-segment LED display
- ▶ Self monitoring with error display
- ▶ Analog output: 4-20 mA / 0-10 VDC

Applications

OEM-applications, hydraulics, machine tool, chip conveyor



Multi Level Switch

- ▶ Up to 6 switch points
- ▶ Reed contact with magnetic transmission (float)
- ▶ Temperature monitoring optional (NC)
- ▶ Metal and non-metal versions
- ▶ Stem length max. 3,000 mm (118 inch)
- ▶ EEx i and shipbuilding approvals
- ▶ Protection class IP54/IP68

Applications

Pump controller, level monitoring of stationary an mobile tanks



UNS1000-BN18 Level Switch

- ▶ For level and temperature control in tanks
- ▶ Reed contact with magnetic transmission (float)
- ▶ Compact construction
- ▶ Brass version with float NBR-expanded
- ▶ Stem length max.1,000 mm (39 inch)
- ▶ Temperature set points: +60°C –90°C (140°F-194°F), bi-metal contact (NC)

Applications

Mobile and stationary hydraulic and oil tank, power packs

Temperature

Temperature



TempSwitch 2000 Electronic Temperature Switch with display

- ▶ Measuring ranges: 0...+100°C to -30°C...+150°C
- ▶ With integrated PT100 sensor
- ▶ 2 set points, freely adjustable
- ▶ 7-segment LED display
- ▶ Peak value memory
- ▶ Self monitoring
- ▶ Analog output: 4...20 mA / 0...10 VDC
- ▶ cULus approval

Applications

OEM-applications, hydraulics, pneumatics, plant and molding engineering, automobile industry, machine tools

T1X Mechanical Temperature Switch

- ▶ Adjustable ranges: -45°C...+316°C (-50 °F...+600°F)
- ▶ For liquids and gases
- ▶ Ambiente compensation device
- ▶ For low to high contact loads
- ▶ Optional EEx d and EEx ia versions
- ▶ Rugged and very accurate

Applications

Chemical process industry, vehicle construction, shipbuilding, power stations, heat exchangers, electrical trace heating systems



Valves

Valves

Shear-Seal® OEM Valve



- ▶ Shear-Seal® technology
- ▶ 1/4" to 1" NPT or SAE
- ▶ Selector, bypass, open center, manipulator
- ▶ Pressures to 200 bar (3000 psi)
- ▶ High velocity flow
- ▶ Tolerates contaminants
- ▶ Spring return

Applications

High-pressure hydraulic controls oil and gas controls
light industrial applications

Shear-Seal® Directional Control Valve

- ▶ 1/4" to 1-1/2"
- ▶ Selector, open center, shut-off manipulator
- ▶ Pressures to 400 bar (6,000 psi)
- ▶ High velocity flow
- ▶ Low pressure drop
- ▶ Tolerates contaminants
- ▶ Spring return

Applications

High-pressure hydraulic controls, oil and gas controls,
steel mills



Shear-Seal® Directional Control Valve



- ▶ Integrated actuator
- ▶ 1/4" to 1" NPT
- ▶ 2-Position and 3-Position
- ▶ Corrosion resistant materials
- ▶ Pressures to 400 bar (6,000 psi)
- ▶ Automated valve shifting
- ▶ High velocity flow

Applications

Remote operated circuits, offshore systems,
shipboard controls, oil and gas controls

Flow Flow

UQS7

Electronic Flow Transmitter with Ultrasonic Sensor

- ▶ Measuring ranges: 0...10 l/min to 0...1,000 l/min
- ▶ 2 set points and analog output
- ▶ 7-segment LED display
- ▶ Microprocessor-controlled, self monitoring with error display
- ▶ All parameters are configured by keypad
- ▶ Tamper proof, keypad lock
- ▶ Rugged construction, vibration- and shock-proof
- ▶ Long term stability



Applications

OEM-application, automotive, cooling, automobile industry

BFS 10

Flow Switch

- ▶ Pipe sizes: G1/4", G1/2" and G1"
- ▶ Stainless steel 1,4571 or nickel plated brass
- ▶ Measuring principle: variable area flow meter
- ▶ Optional visual indication
- ▶ NO/NC, SPDT output
- ▶ EEx i version



Applications

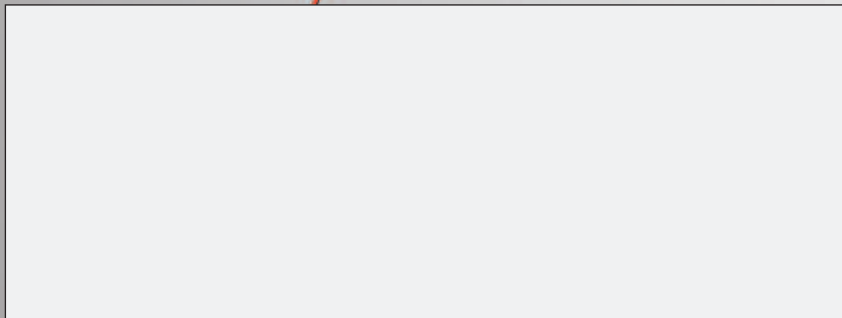
Flow control in liquids and gases





Global Presence

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Specifications are subject to changes without notice. Art.-Nr. 923-1479

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