

Type UDS1V2

Electr. Dual Pressure Switch

► Pressure



- Teach & Go Programming
- 0...10 bar to 0...600 bar, Relative pressure
- Repeatability 1.0 % f.s.

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

Electronic pressure switch for pressure control with internal stainless steel diaphragm, with 2 solid state outputs or 1 solid state output with adjustable hysteresis.

Features

- Teach & Go
- Compact construction

Measuring ranges

0...10 bar to 0...600 bar

Applications

OEM applications in hydraulic and pneumatic systems, press construction, lubricant monitoring, apparatus engineering, machine/machine tool industry, automobile industry, injection molding machines

Technical Data

Sensor element:	Piezoresistive silicon measuring cell
Materials:	
Wetted parts:	Steel, pass., SS316
Electronics housing:	PA 6.6
Seals:	FKM
Operating elements:	2 easy response push buttons
System of protection:	IP65
Protection class:	III
Process connection:	G 1/4" AG Others on request
Dimensions:	approx. Ø 28 x 100 mm (without plug connector)
Measuring ranges:	0...10 bar to 0...600 bar 0...150 to 0...9000 PSI
Electrical connection:	Plug M12x1, 4-pin
Temperature influence:	± 0.2 % f.s./10K
Compensation range:	-10 °C...+70 °C
Repeatability:	+/- 1 % f.s.
Temperature range:	
Medium:	-25 °C...+100 °C
Electronics:	-25 °C...+80 °C
Storage:	-30 °C...+80 °C
Power supply:	15...32 V DC, reversed polarity protected (SELV, PELV)
Transistor switching outputs PNP:	
Adjustment range for switching point- and hysteresis*	0 % ...100 % f.s. Max. 100 Hz Max. 200 mA, short-circuit proof

* only 1SP version (2SP version 15% hysteresis)



Index: ---

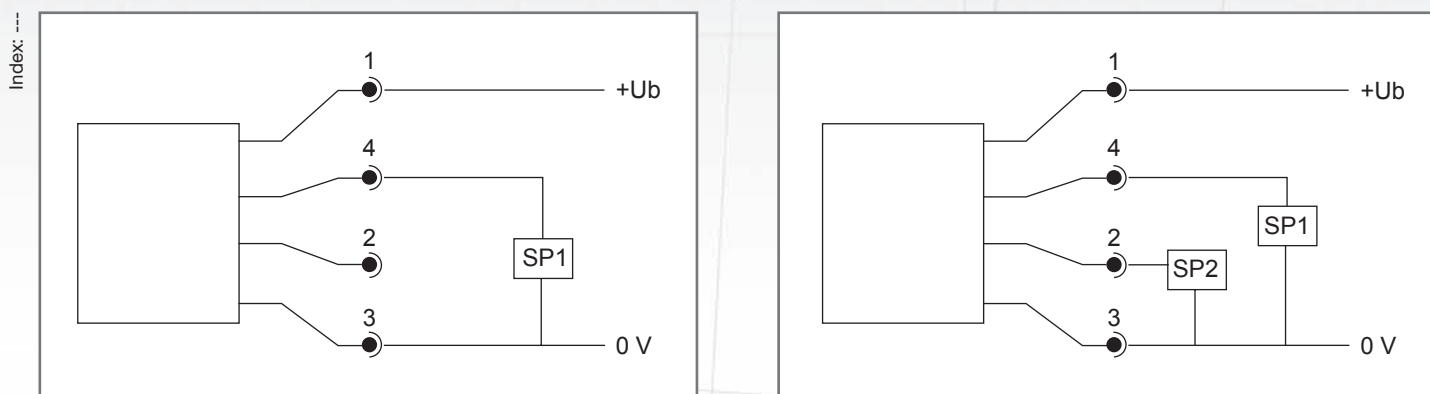
Subject to technical changes.

Pressure

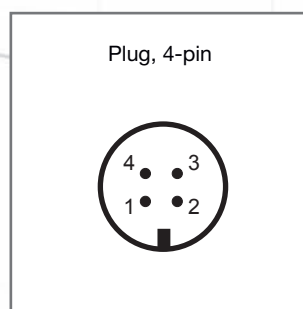
Electronic Pressure Switch

Type UDS1V2

Connection diagram



Plug



Order Numbers

Pressure range	0...10 bar	0...100 bar	0...400 bar	0...600 bar
1 switching output with adjustable hysteresis	0421-060	0421-061	0421-062	0421-063
2 switching outputs with 15% hysteresis	0421-064	0421-065	0421-066	0421-067

Accessories

Order Number	Description
907-0357	Plug connector M12x1, 4-pin, with screw terminals, angled
907-0344	Plug connector M12x1, 4-pin, with screw terminals, straight

Subject to technical changes.

Experts

Specialists for monitoring and control of:

- ▶ Pressure
- ▶ Temperature
- ▶ Level
- ▶ Flow

Almost sixty years of experience in the area of mechanical and electronic control of liquid media and responding to customers needs have resulted in an extensive range of products to meet a wide range of applications. Barksdale's priority is clear. It is our commitment to quality instrumentation and exceptional customer service that has remained the cornerstone of our success. Based on our innovative and market-focused technologies in the areas of pressure, level, flow and temperature measuring processes we provide solutions that fit.



Global Presence



Barksdale Inc.

3211 Fruitland Avenue
Los Angeles, CA-90058-0843
U.S.A.
Phone: (323) 5 89 61-81
Fax: (323) 5 89 34-63
www.barksdale.com

Barksdale GmbH

Dorn-Assenheimer Strasse 27
D-61203 Reichelsheim
Phone: (+49)-6035-949(0)
Fax: (+49)-6035-949-111/113
E-mail: info@barksdale.de
www.barksdale.de

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