Compact Pressure Switch

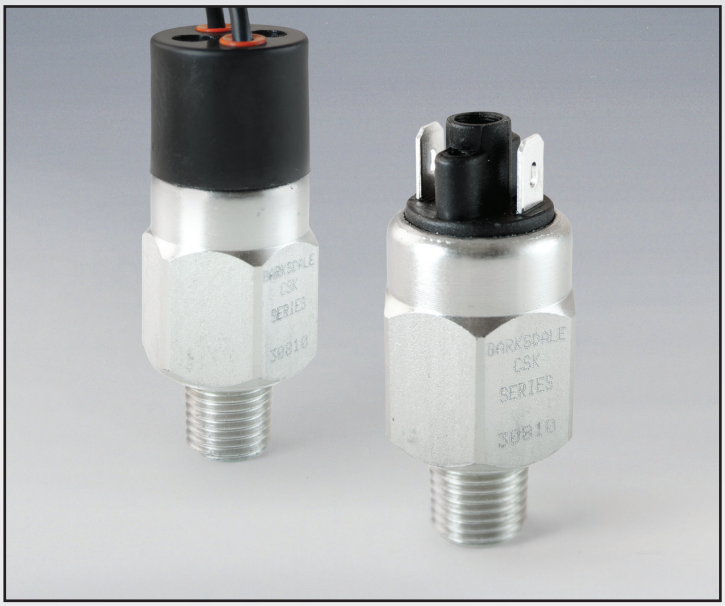
Series CSK

Features

- Compact size
- Multiple electrical connections
- Single pole single throw, floating contact
- Factory preset or field adjustable
- 20-120 psi to 1000-3000 psi

Applications

- Hydraulic power units
- General industrial applications
- Pneumatic systems
- Machine tools
- Factory automation



General Specifications*

Accuracy:	+/- 4% of full set point range
Switch:	SPST; Creep action (floating contact)
Wetted Parts:	Nitrile (Optional Viton & EPDM) Diaphragm; Zinc plated steel fitting
Electrical Connection:	Free Leads – 18” 1/4 inch spade Leads with Deutsch 2 pins
Enclosure Ratings:	Switch sealed IP65 except exposed terminals

* See product configurator for additional options.

Process Connection:	1/4” NPT 1/8” NPT 7/16-20 SAE G 1/4 9/16-18 SAE
Temperature Range:	-20°F to 180°F (-29°C to 82°C)
Adjustment Instructions: Pressure Setpoint:	Turn 1/8” allen wrench adjustment screw clockwise to increase pressure; counterclockwise to decrease pressure
Shipping Weight:	0.15 lbs (0.07 Kg.)

Wiring Code

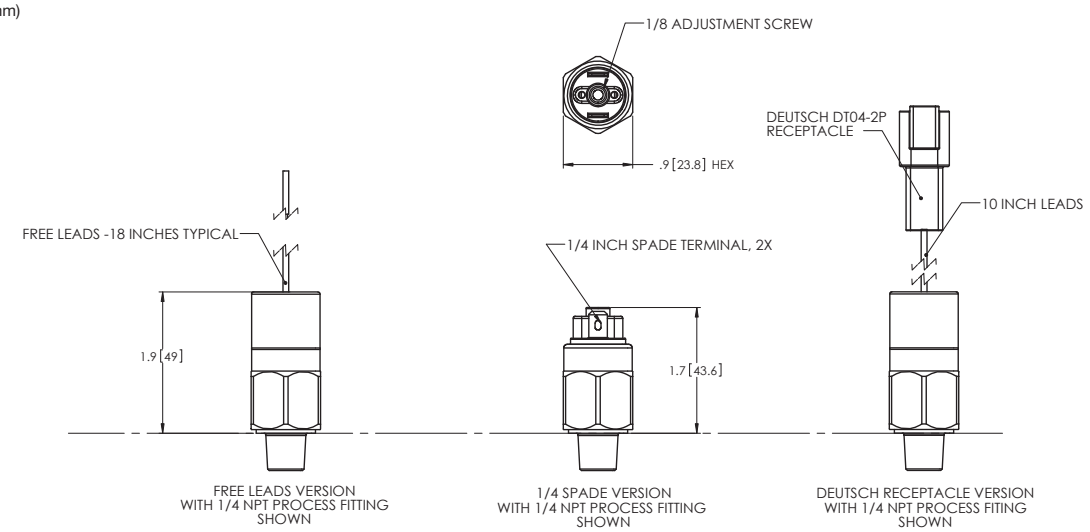
CONTACTS	FREE LEADS	1/4 SPADE	DEUTSCH RECEPTACLE
Normally Open	Black	2	PIN B
Common	Black	1	PIN A
Normally Closed	Black	2	PIN B

Compact Pressure Switch

Series CSK

Technical Drawing

Dimensions in inches (mm)



Product Configurator

Example	CSK1	2	-1	3	-1	2	B	

* Highlighted options represent those most frequently used. Select these common options for improved availability. (5/21)

Base Model/Basic Configuration

CSK1	Field Adjustable
CSK2	Factory Set

Pressure Range

Range	Adjustable Range psi (bar)	Max. Proof Pressure psi (bar)
2	20 – 120 (1.4 - 8)	9000 (620)
3	90 – 250 (6.2 – 17.2)	9000 (620)
4	250 – 950 (17.2 – 65.5)	9000 (620)
5	700 – 1900 (48.3 – 131)	9000 (620)
6	1000 – 3000 (68.9 – 206.8)	9000 (620)
Blank	Factory Set Only (CSK2)	

Limit Switch

-1	SPST, N.O.
-2	SPST, N.C.

Current Rating

1	8A/4A/2A @ 12 VDC/24 VDC/42 VDC
2	33 mA/16 mA/13 mA@12 VDC/24 VDC/30 VDC

Set Point

-XXX	Set point (not required for field adjustable)
R	Rising Pressure (PSIG)
F	Falling Pressure (PSIG)

Diaphragm Material

B	Buna-N
V	Viton
E	EPDM

Electrical Connection

1	Free Leads – 18”
2	1/4 Spades
3	Leads w/ Deutsch 2 pins DT04-2P

Process Fitting Size

-1	1/4” NPT
-2	1/8” NPT
-3	7/16-20 SAE
-4	G 1/4 (No O-ring)
-5	9/16-18 SAE

NOTE: Depending on the rate of change in pressure for certain applications, an intermittent condition may occur across the set point.

See Barksdale’s Standard Conditions of Sale • Specifications are subject to modification at any time • Bulletin #S0111-C • 5/15 • ©2015 • Printed in the U.S.A.