



DESCRIPTION

A miniature pressure switch with high proof pressures ideal for mobile and other harsh applications. It is a well sealed design that offers ingress protection to IP68 when paired with the flying lead option. It is offered with a variety of mechanical and electrical terminations for easy integration.

FEATURES

- Silver nickel alloy contacts
- Diaphragm/piston combination
- High ingress protection
- Compact body
- Gold contact available

APPLICATIONS

- Industrial tools
- Garbage trucks
- Brake pressure switch

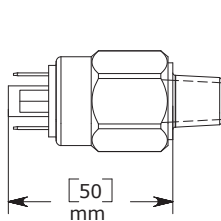
Specifications

| | |
|----------------------|--|
| Electrical | 100 VA, |
| Switch Type | Blade Contact |
| Protection | Exposed Terminals - IP00 (IP68 Available) |
| Temperature Range | -20°F to 180°F (-29°C to 82°C) Nitrile |
| Mechanical Range | 1,000,000 Cycles @ 1000 PSI (69 BAR) |
| Diaphragm Material | Standard: Nitrile Optional: Viton, EPDM, HNBR |
| Housing Material | Zinc Plated Steel (Optional Stainless Steel) |
| Maximum Overpressure | 9000 PSI (600 BAR) |
| Repeatability | +/- 3% of full set point range |
| Weight | 0.16 lbs (0.07 kg) |

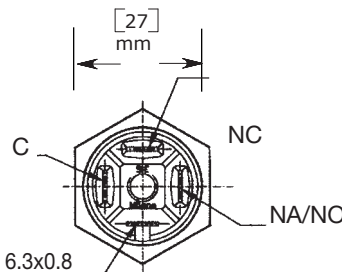
Pressure Range

| Model | Adjustment Range | |
|-------|------------------|--------|
| | PSI | BAR |
| 1 | 14.5-58 | 1-4 |
| 2 | 72.5-217.5 | 5-15 |
| 3 | 23.2-580 | 1.6-40 |
| 4 | 594.5-1015 | 41-70 |
| 5 | 1029-1450 | 71-100 |

Dimensions



SP
1/4" Spades



Terminale di terra faston 6.3x0.8
Ground terminal 6.3x0.8

Wiring Code

| CONTACT | FLYING LEADS | FLWF / FLWM WEATHERPACK | FLDR / FLDP DEUTSCH RECEPTACLE / PLUG |
|-----------------|--------------|-------------------------|---------------------------------------|
| COMMON | BLACK | PIN A | PIN 1 |
| NORMALLY CLOSED | BLACK | PIN B | PIN 2 |
| NORMALLY OPEN | BLACK | PIN B | PIN 2 |

Ordering Information

Field Adjustable

MSD - ¹2 - ²2M - ³B - ⁴SP - ⁵1

1 - Pressure Selection:

Field Adjustable - Select Model Code

Insert set point value XXX followed by: R, F, BR, or BF

| Model | Adjustment Range | |
|-------|------------------|--------|
| | PSI | BAR |
| 1 | 14.5-58 | 1-4 |
| 2 | 72.5-217.5 | 5-15 |
| 3 | 23.2-580 | 16-40 |
| 4 | 594.5-1015 | 41-70 |
| 5 | 1029-1450 | 71-100 |

OR

| Set point | Direction | Description |
|-----------|-----------|----------------------|
| XXXX | R | PSI Rising Pressure |
| | F | PSI Falling Pressure |
| | BR | BAR Rising Pressure |
| | BF | BAR Falling Pressure |

2 - Thread Options:

- 2M - 1/8 NPT male
- 4M - 1/4 NPT male
- 2G - 1/8 BSPP male, G1/8
- 4G - 1/4 BSPP male, G1/4
- 4S - 7/16-20 SAE male, with O-ring seal
- 6S - 9/16-20 SAE male, with O-ring seal
- M10 - M10 X 1.0 male
- M12 - M12 X 1.5 male

3 - Circuit:

- A - SPST (Normally Open)
- B - SPST (Normally Closed)
- C - SPDT (Single Pole Double Throw : Normally Open and Normally Closed)

4 - Electrical Termination:

- FL - Flying Lead 18" long, 18 AWG, IP68 Cap is standard with this option
- FLWF - Flying Lead Weatherpack connector, female, 10" long leads
- FLWM - Flying Lead Weatherpack connector, male, 10" long leads
- FLDP - Flying Lead Deutsch connector, plug, 10" long leads
- FLDR - Flying Lead Deutsch connector, receptacle, 10" long leads
- SP - 1/4" Spade

5 - Options:

- 1 - Viton® Diaphragm
- 2 - EPDM Diaphragm
- 4 - HNBR Diaphragm
- 7 - Gold Contact, 0.4 VA, 30 VDC
- 20 - Seal Adjustment Screw
- 30 - Rubber Boot - Removable (Excludes IP68 Cap if selected)
- OC - Oxygen Cleaned Switches
- SR - Snubber

Note: Please see page 42 for other available options