

Heavy Duty Industrial Pressure Switch

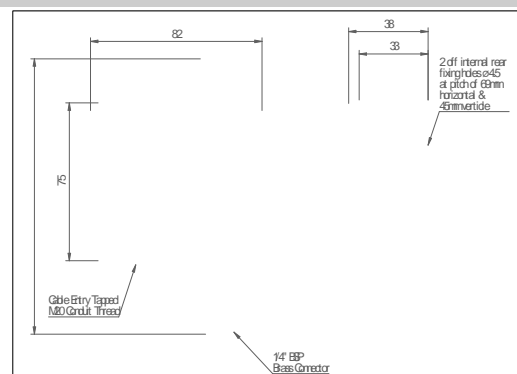
20-200 psi

(Refer to 6702-BFAA-000 for technical specification)

PRODUCT IMAGE



LINE DRAWING



BENEFITS

- high pressure switch, all plastic construction
- alternative diaphragm and connectors available for volume orders
- excellent repeatability
- switches have adjustable pressure and hysteresis
- class II double insulated

SPECIFICATIONS

standards/approvals	pressure switch: low voltage directive 2006/95/EC, UL 508, EN 60730 micro-switch: EN 61058-2-1, EN 61058
degree of protection	EN 60529 IP65
connection method	1/4" BSP brass connector
electrical rating	21A 250V
contact configuration	SPCO
pressure range	2760-6890 mbar
operating temperature	-5°C to +70°C
body material	thermoplastic
weight	0.3Kg
additional information	withstand pressure 34500 mbar

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	6702 -				A	-	0	0	0	0
Operating Pressure (mbar)										
A 1400 - 3450 Red Spring										
B 2760 - 6890 White Spring										
C 5520 - 13790 Blue Spring										
Spare Spring Supplied (mbar)										
A 1400 - 3450										
B 2760 - 6890										
C 5520 - 13790										
D 1400 - 3450 & 2760 - 6890										
E 2760 - 6890 & 5520 - 13790										
F 5520 - 13790 & 1400 - 3450										
G 1400 - 3450 & 2760 - 6890 & 5520 - 13790										
Z No additional Springs Supplied										
Electrical Microswitch Rating										
A 21A 250V AC Silver Change Over Contacts										
B 0.1A 250V AC Gold Change Over Contacts										
C 0.1A 24V AC/DC Gold Change Over Contacts										
Packing and Label Option										
A individually packed in plain carton										

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SUITABLE FOR USE WITH THE FOLLOWING MEDIA:

Acetone	<input checked="" type="checkbox"/>
Ammonia (Liquid)	<input checked="" type="checkbox"/>
Amyl Alcohol to 20°C	<input checked="" type="checkbox"/>
Automotive Brake Fluid	<input checked="" type="checkbox"/>
Beer	<input checked="" type="checkbox"/>
Butane	✓
Carbon Dioxide – Dry	✓
Citric Acid	✓
Copper Sulphate (Sol.)	<input checked="" type="checkbox"/>
Compressed Air	✓
Cutting Oil	✓
Diesel Oil	✓
Detergent Solution	✓
Fuel Oil	✓
Glycol	✓
Hydraulic Oil	✓
Hydrogen	✓
Lubricating Oil	✓
Milk	<input checked="" type="checkbox"/>
Mineral Oil	✓
Natural Gas	✓
Oxygen to 70°C	✓
Petrol	✓
Plating Solution (Chrome)	<input checked="" type="checkbox"/>
Salt Water	<input checked="" type="checkbox"/>
Sewage	✓
Turpentine	✓
Vinegar	<input checked="" type="checkbox"/>
Water	✓

✓ = Recommended

☒ = Suitable with modification

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SILVER CONTACT MICROSWITCH DATA

Average Life Expectancy	Mechanical	1 x 10 ⁶		
	Electrical	5 x 10 ⁴ @ 10A	1 x 10 ⁴ @ 21A	
Max. Electrical Load				
	Voltage (V)	Resistive (A)	Inductive (A)	
AC	250	21		
	250	21	8	
	125	21		
DC	6	21	21	
	12	15	15	
	24	8	7	
	60	1	0.5	
	110	0.5	0.2	
	220	0.25	0.1	

GOLD CONTACT MICROSWITCH DATA

Average Life Expectancy	Mechanical	1 x 10 ⁶		
	Electrical	5 x 10 ⁴ @ 0.1A		
Max. Electrical Load				
	Voltage (V)	Resistive (A)	Inductive (A)	Motor (Pf0.75)
AC	250	0.1	0.05	n/a
UL/CSA Only	125	0.01	---	---

6702 Pressure Switch

The industrial pressure switch is moulded entirely in plastic, with the exception of the pressure connection and is water, oil and dust proof to IP65. The switches have excellent repeat accuracy, even over widely varying ambient conditions.

The operating pressure is adjustable externally using the thumb screw on the top and the approximate pressure setting can be seen through a window in the cover. To discourage unauthorised tampering, the adjusting screw can be locked in position with a grub screw.

The micro-switches have independent vernier adjustment and are normally set to operate within 140mbar on rising pressure. Where two pressure levels are to be controlled, the switches can be adjusted separately so that one switch will operate at up to 88% of the second. The switches can also be set to operate simultaneously on falling pressure instead of rising pressure. The setting accuracy when the switch is set by herga is $\pm 10\%$.

Note: Dry switching – for low power circuits, see the gold contact information above.
herga do not accept liability for any pressure operated device used outside the pressure range specified by the company.