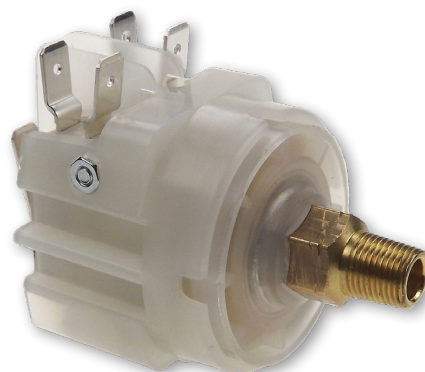


6741/6742 Medium Pressure Switch

Technology Ltd

- High reliability for OEM manufacturer
- UL recognised versions available
- Double pole switching available as a 6742
- Wide choice of microswitch options including tag configurations
- High performance repeatability



Stock model 6742-30

General specifications

Standards/approvals	UL 508 specific models only
Degree of protection	n/a
Electrical rating	See table
Contact configuration	See table
Mech. life cycles	1 x 10 ⁶
Operating temperature range	-5° C to + 70° C

Body material	Thermoplastic
Spring	spring steel
Weight	6741: 0.05 kg 6742: 0.085 kg
Additional information	Setting accuracy ±10% For very low power circuits, gold contact versions are available upon request Alternative diaphragm & spring materials available upon request

6741 / 6742 Range options and specifications

Model part no.		6741 and 6742 -20/30/40/50/60					6741 and 6742 -70/80/90		
Pressure Range Min.	mbar	100	200	340	540	1080	1700	3100	4140
Pressure Range Max.	mbar	240	370	680	1220	2040	3790	5170	8270
Body withstand pressure	mbar	2550					10000		
Connecting tube reference		1/8" BSPT & NPT Brass							
Diaphragm		Neoprene					Nitrile		

Electrical data

Model		6741		6742	
Contact configuration		SPCO		DPCO	
Contact plating		Silver			
Electical life	Cycles	2 x 10 ⁵ @ 10A 1 x 10 ⁴ @ 21A			
Electrical rating		Maximum electrical load			
Voltage (V)		Resistive (A)	Inductive (A)		Motor (Pf0.75)
AC	125	21	8		1HP
AC	250	21	8		2HP
DC	6	21	21		
DC	12	15	15		
DC	24	8	7		
DC	60	1	0.5		
DC	110	0.5	0.2		
DC	220	0.25	0.1		

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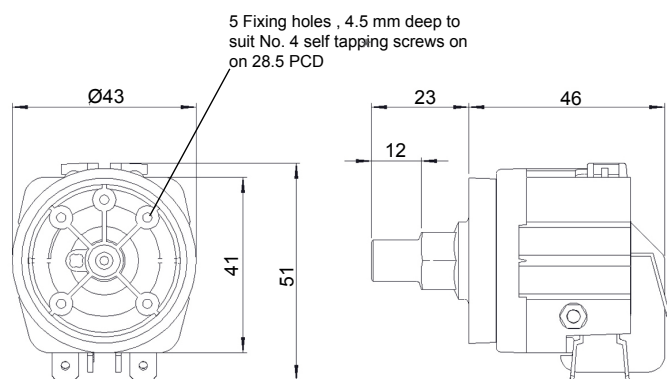


Subject to change without notice

6741/6742 Medium Pressure Switch

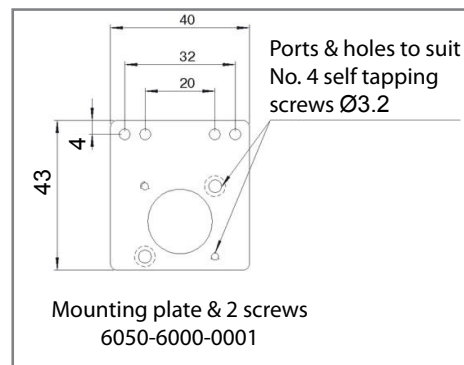
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Reference dimensions in mm



* Note - Fixing holes not available in 6741 and 6742-70/80/90 models; fixing method by connector only

6741/6742: Mounting plate details:



Suitability for use with the following media:

	6741-20/30/40/50/60	6741-70/80/90
Acetone	✓	✓
Ammonia (Liquid)	✓	✓
Amyl Alcohol to 20°C	✓	✓
Automotive Brake Fluid	✓	✓
Beer	✓	✓
Benzyl Alcohol	×	✓
Butane	✓	✓
Carbon Dioxide – Dry	✓	✓
Citric Acid	✓	✓
Copper Sulphate (Sol.)	✓	✓
Compressed Air	✓	✓
Cutting Oil	✓	✓
Diesel Oil	✓	✓
Detergent Solution	✓	✓
Fuel Oil	✓	✓
Glycol	✓	✓

- ✓ = Recommend
- ☑ = Suitable with modification
- ×

×

	6741-20/30/40/50/60	6741-70/80/90
Hydraulic Oil	✓	✓
Hydrogen	✓	✓
Lubricating Oil	✓	✓
Milk	✓	✓
Mineral Oil	✓	✓
Natural Gas	✓	✓
Nitric Acid (Dil.)	×	☑
Oxygen to 70°C	✓	✓
Petrol	✓	✓
Plating Solution (Chrome)	✓	✓
Salt Water	✓	✓
Sewage	✓	✓
Sulphur Dioxide	×	✓
Turpentine	✓	✓
Vinegar	✓	✓
Water	✓	✓

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