

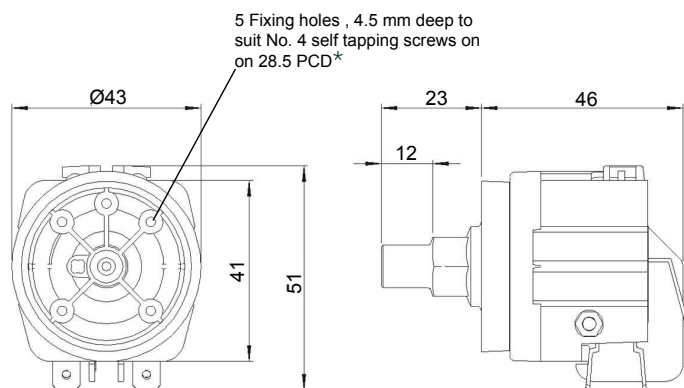
6741/6742 Medium Pressure Switch

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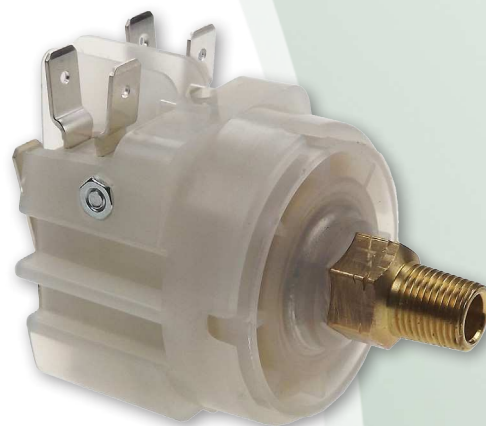
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- These switches have been designed primarily for the OEM manufacturer who requires high reliability
- UL recognised versions available
- Double pole switching available as a 6742
- Wide choice of microswitch options including tag configurations
- High performance repeatability

Outline dimensions



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



Stock model 6742-30

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		2311-01 / 2311-08 to suit Ø4 mm spout							
Diaphragm		Neoprene					Nitrile		
Mechanical life	Cycles	1 x 10 ⁶							
Spring		Spring steel							

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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General specifications

Standards/approvals	UL 508 specific models only	Operating temperature range	-5°C to +70°C
Degree of protection	n/a	Body material	Thermoplastic
Connection method	1/8" BSPT & NPT Brass or back & side entry spout, Ø4 mm	Weight	0.05 kg 6741 & 0.085 kg 6742
Electrical rating	See table	Additional information	Setting accuracy ±10% For very low power circuits, gold contact versions are available upon request Alternative diaphragm & spring materials available upon request
Contact configuration	See table		

Suitability for use with the following media:

	6741-20/30/40/50/60	6741-70/80/90		6741-20/30/40/50/60	6741-70/80/90
Acetone	☑	☑	Glycol	✓	✓
Ammonia (Liquid)	☑	☑	Hydraulic Oil	☑	✓
Amyl Alcohol to 20°C	☑	☑	Hydrogen	✓	✓
Automotive Brake Fluid	☑	☑	Lubricating Oil	☑	✓
Beer	☑	☑	Milk	☑	☑
Benzyl Alcohol	×	☑	Mineral Oil	☑	✓
Butane	✓	✓	Natural Gas	✓	✓
Carbon Dioxide – Dry	✓	✓	Nitric Acid (Dil.)	×	☑
Citric Acid	✓	✓	Oxygen to 70°C	✓	✓
Copper Sulphate (Sol.)	☑	☑	Petrol	☑	✓
Compressed Air	✓	✓	Plating Solution (Chrome)	☑	☑
Cutting Oil	☑	✓	Salt Water	☑	☑
Diesel Oil	☑	✓	Sewage	☑	✓
Detergent Solution	☑	✓	Sulphur Dioxide	×	☑
Fuel Oil	☑	✓	Turpentine	☑	✓
			Vinegar	☑	☑
			Water	✓	✓

✓ = Recommend

☑ = Suitable with modification

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6741/6742: Mounting plate details

