



- ▶ **These switches have been designed primarily for the OEM manufacturer who requires high reliability**
- ▶ **UL recognised versions available**
- ▶ **Double pole switching available as a 6732**
- ▶ **Wide choice of microswitch options including tag configurations**
- ▶ **High performance repeatability**

| Specifications | |
|-----------------------------|---|
| Standards/approvals | UL 508 specific models only |
| Degree of protection | n/a |
| Connection method | Back & side entry spout, 4mm dia. or 1/8" BSPT & NPT Brass |
| Electrical rating | See table below |
| Contact configuration | See table below |
| Operating temperature range | -5°C to +70°C |
| Body material | Thermoplastic |
| Weight | 0.04 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 |

| Model part no. | 6731-03 | 6731-06 | 6731-10 |
|---------------------------|---------------------------------------|----------------------------|----------------------------|
| Pressure Range Min. | 4 mbar | 12.5 mbar | 50 mbar |
| Pressure Range Max. | 18 mbar | 62 mbar | 137 mbar |
| Body withstand pressure | 2550 mbar | | |
| Connecting tube reference | 2311-01 / 2311-08 to suit Ø4 mm spout | | |
| Diaphragm | Neoprene | | |
| Mechanical life | 2 x 10 ⁶ Cycles | 2 x 10 ⁶ Cycles | 1 x 10 ⁶ Cycles |
| Spring | Spring steel | | |

| Model | | 6731-03 | | 6731-06 | | | 6731-10 | | |
|-----------------------|-------------|---------------------------------|---------------|---|---------------|----------------|--|---------------|----------------|
| Contact configuration | | SPCO | | | | | | | |
| Contact plating | | Silver | | | | | | | |
| Electical life | | 2 x 10 ⁵ @ 1A Cycles | | 2 x10 ⁵ @ 6A, 5 x 10 ⁴ @ 10A Cycles | | | 2 x10 ⁵ @ 10A, 1 x 10 ⁴ @ 21A Cycles | | |
| Electrical rating | | Maximum electrical load | | | | | | | |
| | Voltage (V) | Resistive (A) | Inductive (A) | Resistive (A) | Inductive (A) | Motor (Pf0.75) | Resistive (A) | Inductive (A) | Motor (Pf0.75) |
| AC | 125 | 3 | 1 | 10 | 3 | 0.5HP | 21 | 8 | 1HP |
| AC | 250 | 3 | 1 | 10 | 3 | 0.5HP | 21 | 8 | 2HP |
| DC | 6 | 3 | 1 | 10 | 3 | | 21 | 21 | |
| DC | 12 | 3 | 1 | 5 | 3 | | 15 | 15 | |
| DC | 24 | 1 | 0.5 | 5 | 3 | | 8 | 7 | |
| DC | 60 | 1 | 0.5 | 1 | 0.5 | | 1 | 0.5 | |
| DC | 110 | 0.5 | 0.2 | 0.5 | 0.2 | | 0.5 | 0.2 | |
| DC | 220 | 0.25 | 0.1 | 0.25 | 0.1 | | 0.25 | 0.1 | |



| Suitability for use with the following media: | |
|---|---|
| Acetone | ☑ |
| Ammonia (Liquid) | ☑ |
| Amyl Alcohol to 20°C | ☑ |
| Automotive Brake Fluid | ☑ |
| Beer | ☑ |
| Benzyl Alcohol | x |
| Butane | ✓ |
| Carbon Dioxide – Dry | ✓ |
| Citric Acid | ✓ |
| Copper Sulphate (Sol.) | ☑ |
| Compressed Air | ✓ |
| Cutting Oil | ✓ |
| Diesel Oil | ✓ |
| Detergent Solution | ✓ |
| Fuel Oil | ✓ |
| Glycol | ✓ |
| Hydraulic Oil | ✓ |
| Hydrogen | ✓ |
| Lubricating Oil | ✓ |
| Milk | ☑ |
| Mineral Oil | ✓ |
| Natural Gas | ✓ |
| Nitric Acid (Dil.) | x |
| Oxygen to 70°C | ✓ |
| Petrol | ☑ |
| Plating Solution (Chrome) | ☑ |
| Salt Water | ☑ |
| Sewage | ✓ |
| Sulphur Dioxide | x |
| Turpentine | ✓ |
| Vinegar | ☑ |
| Water | ✓ |

- ✓ = Recommend
 ☑ = Suitable with modification
 x = Not suitable



Dimensions

