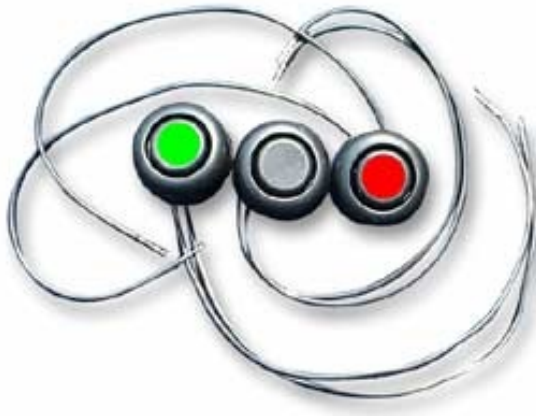




YOUR INTERFACE SOLUTION PROVIDER

IN2TEC SINGLE SWITCH TECHNOLOGY



In2tec has been utilising moulded Elastomeric-Keymats as the actuator layer for membrane switch circuits on both flexi-circuits and PCB based products for more than 10 years. An innovative approach to the development of a single push-button switch has resulted in a patent application for a low profile momentary action, low current, integrated switch design. The market demand for a simple push-switch with optional illumination resulted in a unit, which can be installed simply and is easily customised to suit many applications. This design can be used in a wide variety of environments. Ip67 sealing is a relatively simple option using this technology.

Typical applications:

This product is particularly suitable for high usage, low voltage applications where space is at a premium, with Ip67 environmental protection provides a cost-effective solution.

Interconnection:

The technologies used, provide a product with two (four if illuminated) flying leads for termination and interconnection.

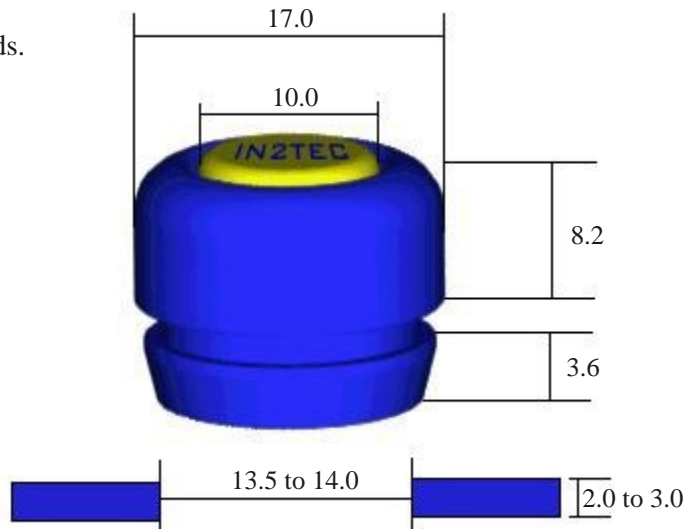
Construction:

Silicone Body, PCB and tactile metal disc with flying leads.
 Black Opaque single colour, Single pole,
 Coloured switch button options
 illuminated perimeter option's

Technical Data

Specification: Full Dimensional Drawings are available.
 Switch function: SPST Momentary Normally Open
 Contact Rating: 1VA 100mA 48V DC max
 Operating life 250K tactile
 Loop contact resistance: <1ohm typical
 Actuation Force: typical 8-12 N
 Travel 0.5-1.0 mm typical;
 Storage Temperature: -30 to +100 C
 Operating Temperature -20 to 80 C (illuminated limit +65 C
 Termination: 150mm flying leads (26 swg typical)
 Weight non- illuminated 4.0gms illuminated 5.5gm typical
 Depth from internal panel surface 4.5mm Sealing Ip67 capability
 Main Body Silicone Shore A 63 typical

Body Black, Button Colour Black, Red, Green
 Illuminated options Black Button, 2 Red or 2 Green LED's
 Specifications listed above are standard options for information
 on other options or custom products contact your supplier or the
 factory direct (sales@in2tec.com).



Mounting Recommended

A single burr free hole 13.5 to 14.0mm diameter in panel thickness 2-3mm

Illuminated Options

Require a 4.5-5v DC supply with 20-25mA

Type	Part Number	Button Colour	LED Colour
Non illuminated	PS4901	BLK(2)/RED(3)GRN(6)	Not applicable
Illuminated	PS4902	BLK(2)	RED(R) / GRN(G)

Example: Order part number PS4902-2-R (Illuminated, Black Button, Red LED)