

SERIES 76-59 - PUSHBUTTONS

The Series 76-59 of pushbutton switches are extremely rugged making them particularly suited to applications in which vandal resistance is a necessity.

The switch body and buttons are machined from hard-wearing stainless steel and come in a front mounting style.

Series 76-59 all provide momentary action and are based on our proven Series 59 push buttons. Connections are made via the solder terminal at the rear of the switch.

APPLICATIONS:

- Vandal resistant and robust industrial requirements
- Flush-with-panel installation requirement
- Process control
- Railway carriage equipment
- External security door controls
- Elevators
- Fishing vessels
- Crane gantry equipment
- Earth moving equipment
- Upper deck yachting equipment
- Medical instrumentation

KEY FEATURES:

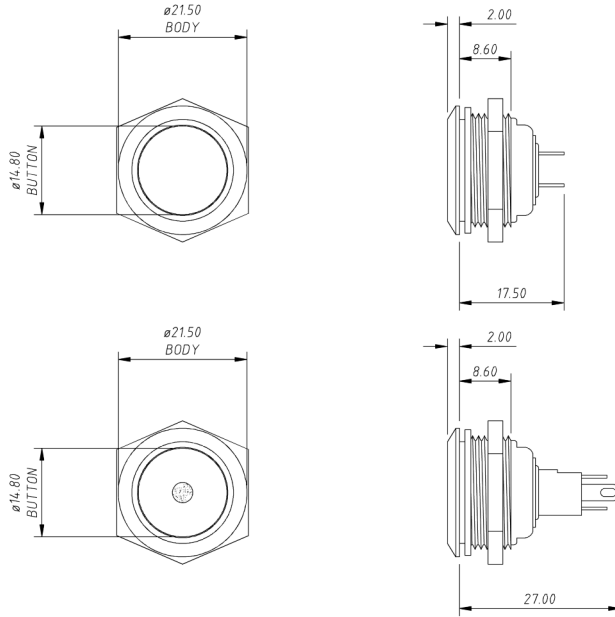
- Vandal resistant
- Panel sealed to IP67
- Non – rotating button
- Machined from stainless steel
- Wide temperature range
- Gold contacts
- Solder terminals



NON-STANDARD OPTIONS:

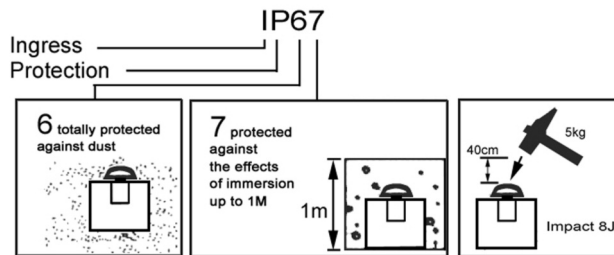
- PCB terminals
- Engraving

PRODUCT DRAWINGS



All dimensions in Millimetres

INGRESS PROTECTION



PANEL MOUNTING & CONSTRUCTION: CIRCUIT FORM

The 76-59 series mounts from the front into a 19.25 mm diameter panel cut out. Panel sealing is achieved by means of a sealing washer which is fitted to the switch body before it is inserted into the panel hole. The switch is then held in place by a lock-nut screwed on from the rear.



ORDERING INFORMATION:

Series	Button Style	Mounting	LED Colour*
76-59	1 - Flush	0 - Front panel 15mm button	R - Red G - Green B - Blue

*This digit only required for illuminated part numbers

Designs and specifications are subject to change without notice due to product improvement.

MECHANICAL / ELECTRICAL / ENVIRONMENTAL CHARACTERISTICS:

Operating force (nom): 3N

Panel thickness: 1.5 mm to 8 mm

Body Diameter: M19 thread

Panel cut out: Ø 19.25 mm

Life (min): 1,000,000 cycles

Travel: 2.3 mm

Dielectric strength: 1KV AC 1 minute

Insulation resistance: 1GΩ @500V d.c

Contact resistance (initial): 50mΩ

Current rating (typical): 400mA at 32V a.c. resistive
100mA at 50V d.c. resistive
125mA at 125V a.c. resistive

Life: 500,000 cycles (max load) @ 70°C

Ingress protection: IP67 (Panel Sealed)

Operating temperature range: -30°C to + 105°C

Body material: Stainless steel

Actuator material: Stainless steel

Contact material: Gold plated, nickel