

SERIES 57 – MINIATURE VANDAL RESISTANT PUSHBUTTON

FEATURES

- Vandal Resistant
- Wide temperature range – up to 125°C
- Panel sealed to IP67
- High environmental specifications
- Gold contacts
- Status illumination
- Solder terminals
- Mounts virtually flush to panel



Technical Information

Description

The Series 57 is a range of miniature, momentary action, rugged panel sealed push-button switches with a round button and bezel.

The Series is available with or without LED status illumination. A locknut is supplied with each switch

The body and button are manufactured from a non-spark zinc alloy and are velour chrome plated. It is panel sealed to IP67 and is designed to be impact resistant. The small size, robustness and panel sealing make this switch ideal in harsh environments.

Status Illuminated Version

The illuminated version is available with a choice of 2 high brightness LED colours.

Mechanical

Travel (nom) 2.3mm

Life (nom) 1,000,000 cycles

Operating force (nom) 3N
Contact bounce (nom) 1ms
Panel thickness (max) 3mm

Electrical

Switch & LED

SWITCH

 Dielectric strength
 1000V a.c.

 Insulation resistance
 1GΩ

 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 (min) 500,000 cycles Switching power (max) 16VA a.c.

LED

Typical fwd voltage (Vf at I operating)

Max fwd voltage (Vf at I operating)

Forward current (I operating)

Meantime between failures

Luminous intensity (Iv at lopr)

Luminous intensity (Iv at lopr)

Green LED – 160mcd

Environmental & Physical

Ingress protection IP67 (panel sealed)

Shock 100g

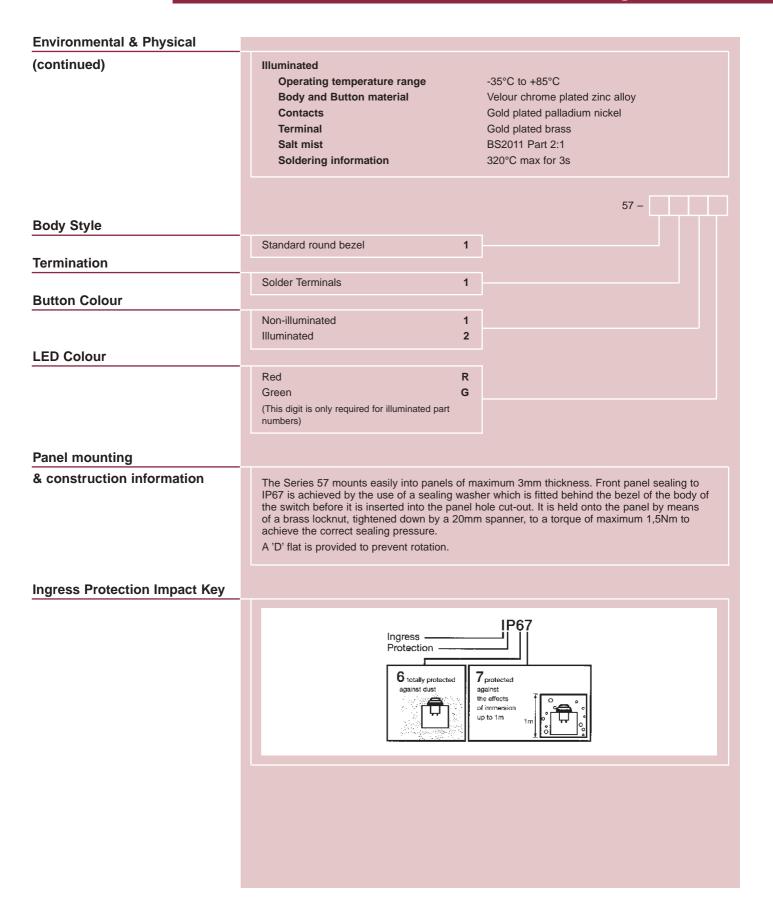
Vibration DEF STD 07-55

Non-Illuminated

Operating temperature range -40°C to + 125°C

Technical Information

Ordering Information



SERIES 57 Miniature Vandal Resistant Pushbutton

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Product Dimensions Non-illuminated Round Bezel **Illuminated Round Bezel** ø18.50 ø18.50 0.75 Button Sealing Washer M16 x 1-6q 5.25 LED Pinout Terminal Spacing **Suggested Panel Cutout** 16.1/16.0 14.75/14.90 All dimensions in Millimetres **Circuit Form Application References** • Vandal resistant requirements Elevators Military environments • Fishing vessels • Robust industrial requirements Crane gantry equipment • Flush-with-panel requirements • Earth moving equipment • Upper deck yachting equipment Process control Medical instrumentation • Railway carriage equipment • External security door controls **Further Information** For further information on our complete range of switch products, visit our website www.itwswitches.co.uk or contact our Sales Office.

