

SFRIFS 59 – MINIATURF SFALFD PUSHBUTTON

FEATURES

- Non-spark material
- Wide temperature rangeUp to 125°C
- Panel sealed To IP67
- High environmental specifications
- Gold contacts
- Status illumination

NON-STANDARD OPTIONS

- Overboot for protection against icing
- PCB terminals
- High round bezel
- Surface or sublimation legend printing on the button (non-illuminated version)



Technical Information

Series 59

The Series 59 is a range of miniature, momentary action, rugged panel sealed pushbutton switches.

The Series is available with square or round bezel versions, with or without LED status illumination.

A locknut is supplied with each switch.

A choice of body material is provided of either a non spark zinc alloy or a hard wearing moulded PBT therefore making this switch suitable for use in most applications. 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.

Non-Illuminated Version

The non-illuminated range includes a choice of 7 button colours with solder terminal connection. PCB terminals, a high round bezel, surface and sublimation printing are available as non-standard.

Status Illuminated Version

An illuminated version is available in the round bezel versions with a choice of 3 button colours and 2 high brightness LED colours. Non standard options include additional button and LED colours (subject to minimum order quantities).

Mechanical

Travel (nom) 2,3mm

Life (max) 1,000,000 cycles

Operating force (nom) 3N

Contact bounce (nom) 1ms

Panel thickness (max) 1,5 - 3mm

Panel cut out ø13,6mm (with 'D' flat)

Electrical

Switch & LED

SWITCH

 $\begin{array}{ll} \mbox{Dielectric strength} & \mbox{1000V a.c.} \\ \mbox{Insulation resistance} & \mbox{1G}\Omega \\ \mbox{Contact resistance} & \mbox{50m}\Omega \\ \end{array}$

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

Luminous intensity (Iv at Iopr)

Green LED – 160mcd

Environmental & Physical

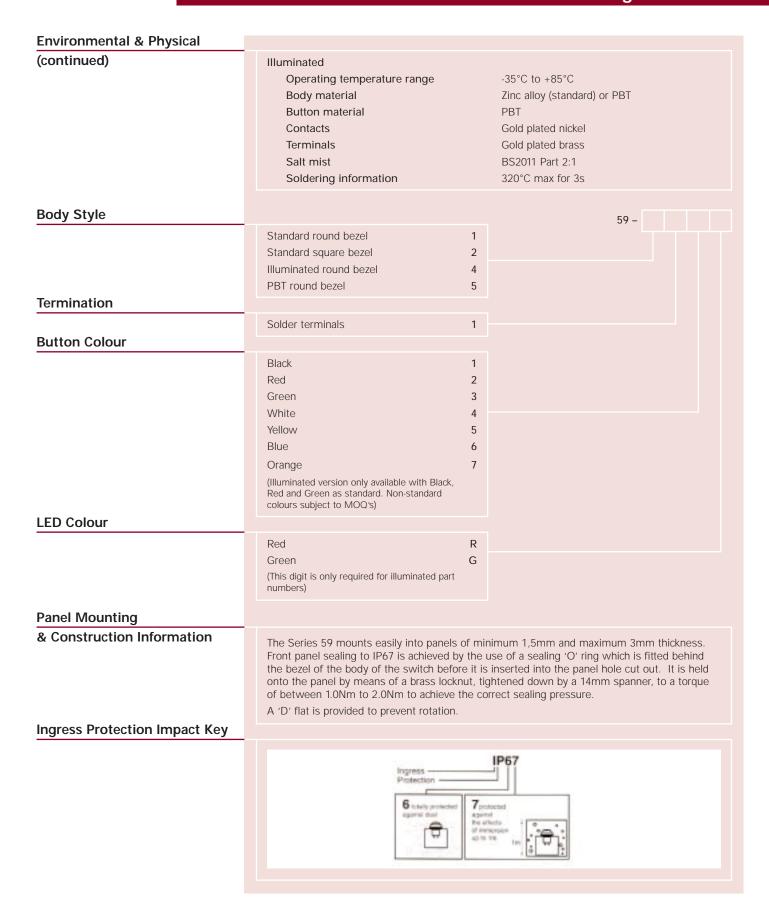
Ingress protectionIP67Shock100gVibrationDEF STD 07-55

Non-Illuminated

Operating temperature range -40°C to $+125^{\circ}\text{C}$ with zinc alloy body -40°C to $+105^{\circ}\text{C}$ with PBT body

Technical Information

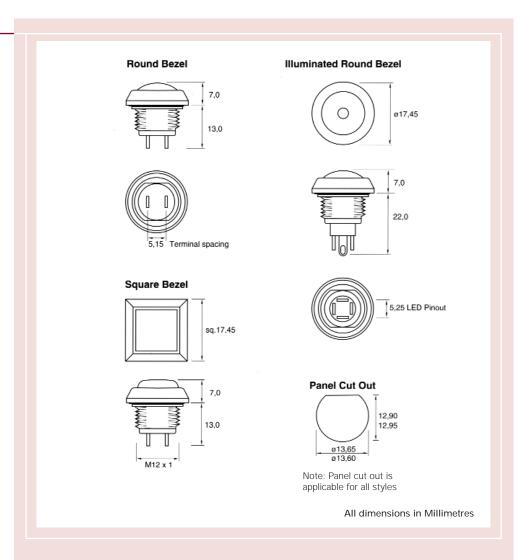
Ordering Information



SERIES 59 Miniature Sealed Pushbutton

Technical Information

Product Dimensions



Circuit Form



Application References

- Communications
- Instrumentation
- Data entry

- Military environments
- Environmentally demanding keypads
- Mass transport controls

Further Information

For further information on our complete range of switch products, visit our website – www.itwswitchcon.com or contact our Sales Office.



ITW Switches, Division of ITW Limited, Norway Road, Hilsea, Portsmouth PO3 5HT, UK Tel: +44 (0)2392 694971 Fax: +44 (0)2392 666352 Website: www.itwswitchcon.com

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