

#### 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**

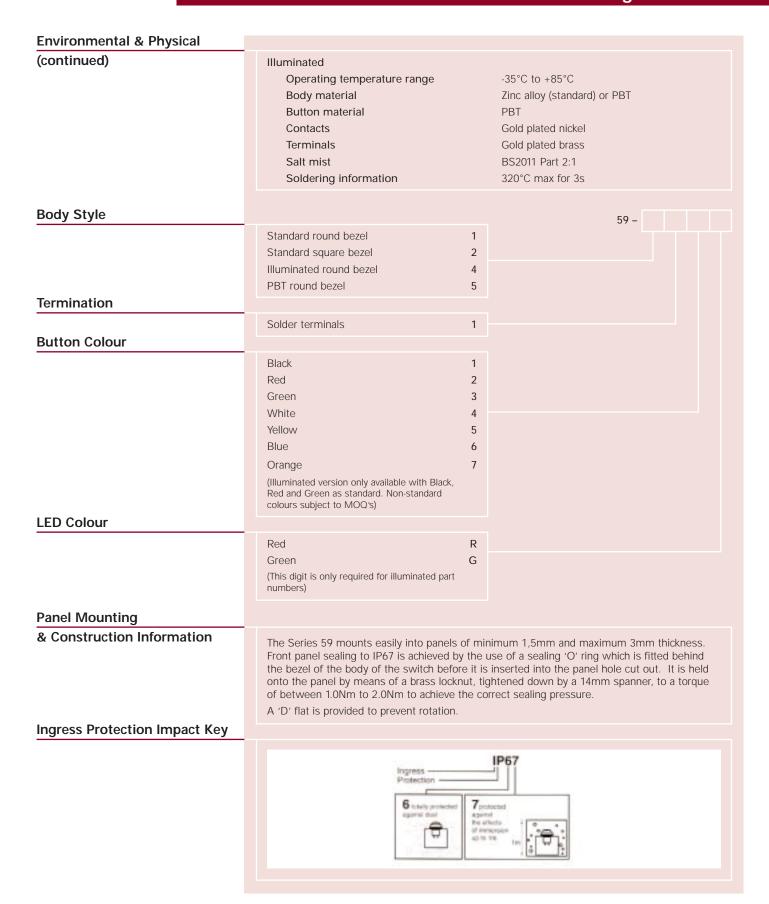
Ingress protectionIP67Shock100gVibrationDEF STD 07-55

Non-Illuminated

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

## **Technical Information**

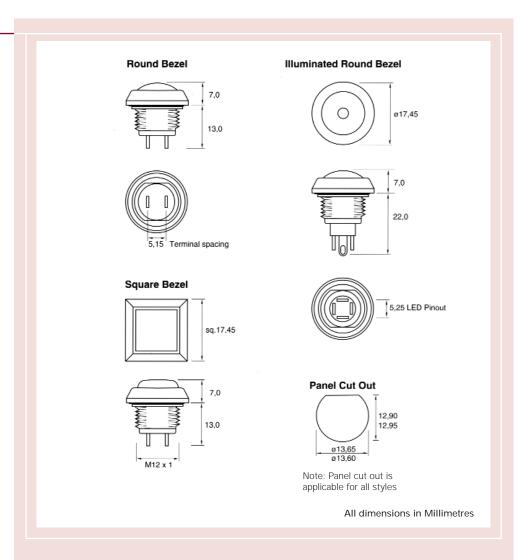
# **Ordering Information**



# **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

Due to our policy of continuous product development, ITW Switches retain the right to change the specification at any time without prior notice. Designed & printed in the UK.

# **X-ON Electronics**

Largest Supplier of Electrical and Electronic Components

Click to view similar products for itw switches manufacturer:

Other Similar products are found below:

MP648-16(50) SDBS25PN 76-1024 48M-111B 76-959034 181541B MDJ15 DA15POLF 48M-111G 22-204 DC37PF DB25SNF DB25SF 76-9510/4044 49-59115 40-2-5 76-9513/4044G 76-9113/439088 SDAX15SNT SDD50PTD 59-900091 48M210N ES1020 SDB25PNTD DE9SNF DAC15P H48M-112B/4044 40-2-10 57-112R 76-9116/439088 76-9112/439088 DE9PF HDAX26SNT 48-1-RB-G-BK-B 48M112R H48M-112G/4044 57M110N H48M-212B/4044 H48M-212R/4044 57M-211B 49-59116 4959213 48M110N 4959113 1640401 76-9711/439088R 76-9440/439088B 48-1-RB-R-BK-B 76-1266 76-9450/439088R