

## SERIES 76-91 FLEXIBUTTON – PANEL SEALED RANGE

A robust pushbutton switch designed for demanding environmental applications. The snap action switch mechanism provides high quality switching behind an ice-proof, flexible actuator. The body of the Flexibutton is flame retardant to UL94-V0 approval and the switch is panel sealed to IP67.

The range offers the choice of six button colours with solder or quick connect terminals as standard. A locknut and sealing washer are supplied with the switch.



### APPLICATIONS:

- Mining
- Field Equipment
- Dairy
- Hydraulic vehicles
- Exterior security call points
- Marine instrumentation
- Car wash machinery

### KEY FEATURES:

- Waterproof panel seal – IP67 approved to BS5420 (IEC144)
- Flame retardant body – UL94-V0 approved material
- High dielectric strength
- Wide temperature range
- Robust construction – for harsh environments
- Positive tactile response – for operator feedback
- Operates at up to 10 Amps

### NON-STANDARD OPTIONS:

- Gold contacts
- Status illumination
- Solder terminals

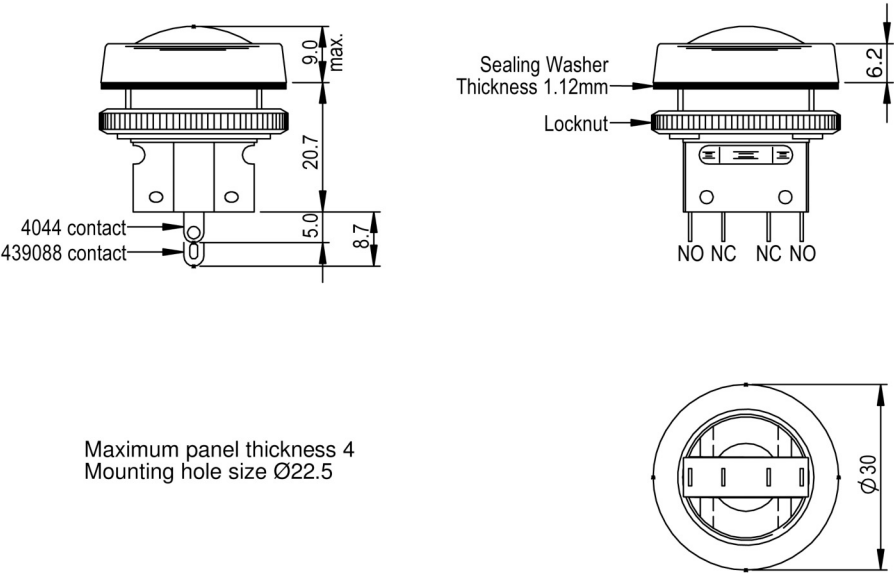
### PANEL MOUNTING & CONSTRUCTION:

The Flexibutton mounts easily into panels not exceeding 4mm thickness. Front panel sealing to IP67 is achieved by use of sealing washer which is fitted to the switch before it is inserted into the panel hole cut-out. Mounting is via a DIN standard 22.5mm diameter hole, or by reversing the special locknut, will mount in a 25mm diameter hole.

The locknut is then screwed on from behind the panel to secure the switch in place. The tightening torque is from 1.5Nm to 2.85Nm.

\* (For 22.5mm fixing on these versions, please consult the factory.)

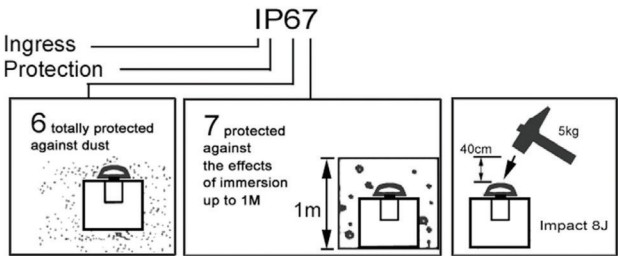
PRODUCT DIMENSIONS



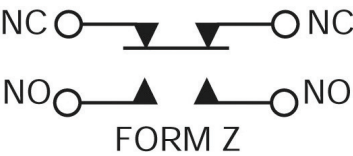
Maximum panel thickness 4  
Mounting hole size Ø22.5

All dimensions in Millimetres

INGRESS PROTECTION IMPACT KEY



CIRCUIT FORM



ORDERING INFORMATION

Series:	Button Style:	Indicator Colour	
76-91	1 Momentary 1 pole	1 White 2 Red 3 Green 4 Blue 5 Yellow 6 Black	/4044 /439088

MECHANICAL / ELECTRICAL / ENVIRONMENTAL CHARACTERISTICS:

- Travel:** 3,3mm reference
- Life (min):** 1,000,000 cycles
- Operating force** (nom): 12N (max) 15.5N
- Contact bounce:** <5ms
- Panel thickness (max):** 4mm
- Locknut tightening torque (max):** 2.85Nm
- Current (max) silver contacts:** 10A resistive 250 V a.c.
- Current (min) silver contacts:** 10mA resistive 5V d.c.
- Life (min):** 100,000 cycles
- Dielectric strength:** 1KV a.c., 1 minute
- Insulation resistance (min):** 1GΩ @ 500V d.c.
- Contact resistance (max. initial):** 25mΩ
- Ingress protection:** IP67 (Panel Sealed)
- Impact rating:** 2 Joules
- Shock (min):** 10g
- Temperature:** -40°C to +80°C
- Body material:** Glass filled polyester
- Button material:** Polyether block amide
- Sealing washer material:** Nitrile rubber
- Contacts:** Fine silver