

# IF series

Sealed pushbutton switches with Ø 25 mm actuator - bushing dia. 16 mm

- ☐ Can be operated with gloved hands
- ☐ Snap-in and threaded bushing models
- ☐ Resistant to frost
- ☐ Sealed to IP54 or IP67

UG1410A

## ELECTRICAL AND GENERAL SPECIFICATIONS

- Max. current/voltage rating with resistive load : 400mA 32VAC - 100mA 48VDC
- Initial contact resistance : 50 mΩ max.
- Insulation resistance : 1 GΩ min. at 500VDC
- Dielectric strength : 1.000 VAC rms. between terminals and frame 1500 VAC between terminals
- Electrical life at full load : 500.000 cycles
- Panel thickness :
  - Snap-in models : 0,8 mm (.031) min. - 2,5 mm (.098) max.
  - Threaded bushing models : 0,8 mm (.031) min. - 5 mm (.196) max.
- Total travel : 4 mm (.157)
- Typical operating force : 6,5 N +/- 2N
- Low level or mechanical life : 1.000.000 cycles
- Torque : 1,5 Nm max. applied to nut
- Soldering : 320°C max. for 3 seconds

## MATERIALS

- Case : thermoplastic UL94-V0
- Actuator : polyamide 12, rubber filled
- Bushing/bezel : polyamide 6/6
- Contacts : solid silver, gold plated
- Terminal seal : epoxy

## ENVIRONMENTAL SPECIFICATIONS

- Front panel sealing (switches mounted on panel) :
  - . IP67 (threaded bushing models)
  - . IP54 (snap-in models)
- Operating temperature : -20°C to +85°C

IF

SERIES

Mounting

**B** Snap-in  
**S** Threaded bushing

Electrical function

**3** Normally open (NO)

Terminals

**Z1** Quick-connect or solder  
2,8 x 0,5 mm

Contacts

**AD** Solid silver, gold plated

Actuator colours

**1** Blue      **5** Yellow  
**1/4** Dark blue      **6** Red  
**2** Black      **7/1** White  
**3** Green      **9** Orange  
Grey RAL7040 : on request

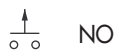
Case colours

**00** Black  
**20** Red

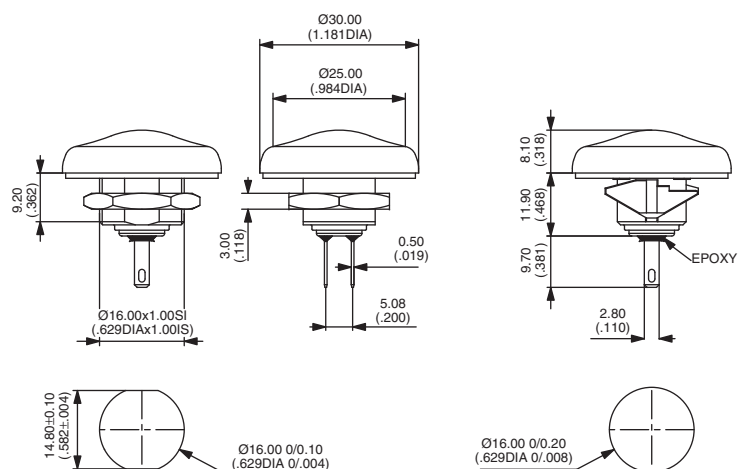
## Models



Snap-in  
**IFB3Z1AD**



Threaded bushing  
**IFS3Z1AD**



**Mounting accessories :** Standard hardware supplied : 1 flat seal (IFB series)

1 flat seal and 1 hex nut 19 mm (.748) across flats (IFS series) . The hex nut is presented in section I (part number 10-621).



**Packaging unit :** 20 pieces

The company reserves the right to change specifications without notice.

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Apem:](#)

[IFS3Z1AD620](#)