



- ☐ Resistant to frost, sand and hydrocarbons
- ☐ Tactile feedback
- ☐ Front panel sealed to IP67

ENVIRONMENTAL SPECIFICATIONS

- Front panel sealing (see drawing opposite) : IP67
- Salt spray : IEC 512-6, test 11f
- Operating temperature : -20°C to +65°C

ELECTRICAL AND GENERAL SPECIFICATIONS

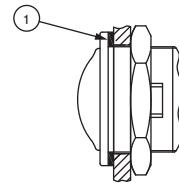
- Max. current/voltage rating with resistive load : 2A 24VDC
- Initial contact resistance : 100mΩ max.
- Insulation resistance : 100 MΩ min. at 500VDC
- Dielectric strength : 500 Vrms
- Electrical life at full load : 1.000.000 cycles
- Panel thickness : 7 mm (.276) max.
- Total travel : 1,5 mm (.059) +/- 0,3 mm
- Typical operating force : 7N +/- 2N
- Low level or mechanical life : 1.000.000 cycles
- **Torque : 0,5 to 1Nm max. applied to nut**

MATERIALS

- Case/bushing : thermoplastic
- Actuator : polyurethane
- Contacts : silver, gold plated
- Multi-wire lead AWG20, section 0,6 mm².
- Terminal seal : epoxy

PANEL MOUNTING

① Flat seal



IA

SERIES

Actuator shape

R round

Electrical functions

3 Normally open (NO)
5 NC/NO combined

Terminals

F Flying leads

Contacts

1 Silver, gold plated

Actuator colours

1 Blue
2 Black
3 Green
5 Yellow
6 Red
7/1 White
9 Orange

Case colour

00 Black

Dimensions : First dimensions are in mm while inches are shown as bracketed numbers.



A **sealing boot** is available to protect the switches against frost and sand. See end of this catalogue.



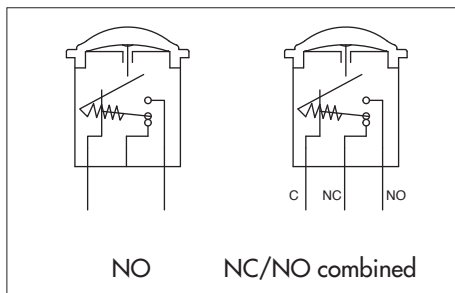
Mounting accessories : Standard hardware supplied : 1 hex nut 19 mm (.748) across flats and 1 flat seal. Knurled nut U3327 available on request.



Packaging unit : 25 pieces

IA series

Low profile pushbutton switches for harsh environments - bushing Ø 16 mm - momentary



- Panel cut-out Ø 16,2 mm (.657)
- Min. pitch for matrix mounting :
 - with standard hex nut : 27 x 27 mm (1.062 x 1.062)
 - with knurled nut U3327: 20 x 20 mm (.787x.787)

MODEL STRUCTURE



NO model has 2 terminals only.

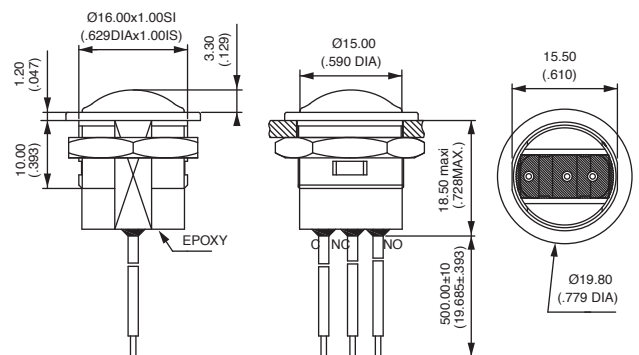
Models



Normally open (NO)
IAR3F



NC/NO combined
IAR5F



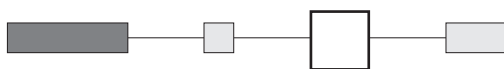
Wire colours (NC/NO) : black = common, brown = NC, blue = NO

CONTACT MATERIAL



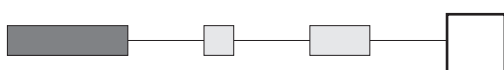
1 Silver, gold plated

ACTUATOR COLOURS



1 : blue - 2 : black - 3 : green - 5 : yellow - 6 : red - 7/1 : white - 9 : orange

CASE COLOUR



00 : black