IA series

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

Distinctive features - Specifications - Overview

UG1006-A



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

B

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

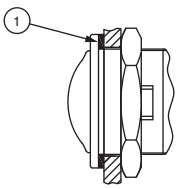
- Max. current/voltage rating with resistive load : 2A 24VDC
- Initial contact resistance : 100mΩ max.
- Insulation resistance : 100 MΩ min. at 500VDC
- Dielectric strength : 500 Vrms
- Electrical life at full load : 1.000.000 cycles
- Panel thickness : 7 mm (.276) max.
- Total travel : 1,5 mm (.059)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

→ Flat seal



IA	☐	☐	☐	☐	☐	☐
SERIES	**Actuator shape** **R** round	**Electrical function** **3** Normally open (NO) **5** NC/NO combined	**Terminals** **F** Flying leads	**Contacts** **1** Silver, gold plated	**Acuator 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.

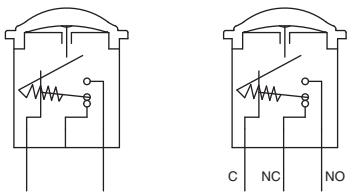
A sealing boot is available to protect the switches against frost and sand. See end of this catalogue.

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

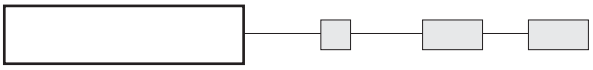
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NO NC/NO combined

- 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

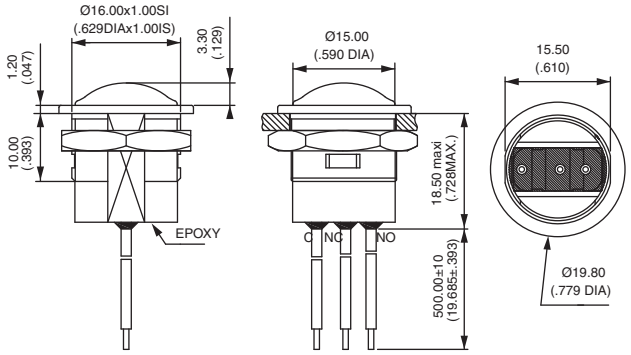


Normally open (NO)
IAR3F



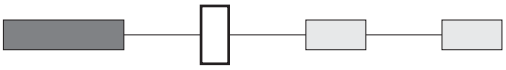
NC/NO combined
IAR5F





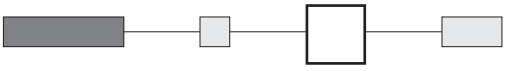
Wire colours (NC/NO) : black = common, brown = NC, blue = NO

CONTACT MATERIAL



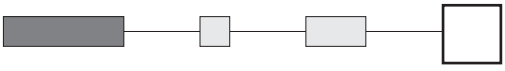
1 Silver, gold plated

ACTUATOR COLOUR



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

CASE COLOUR



00 : black