

IA series

Low profile pushbutton switches for harsh environments

Distinctive features - Specifications - Overview

- ☐ Resistant to frost, sand and hydrocarbons
- ☐ Tactile feedback
- ☐ Front panel sealed to IP 67

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 VAC rms
- Electrical life at full load : 1 000.000 cycles
- **Torque : 0,5 to 1Nm applied to nut**
- Panel thickness : 7 mm (.276) max.
- Total travel : 1,5 mm +/- 0,3 (.059 +/- .012)
- Operating force : 6,5 N ±2N

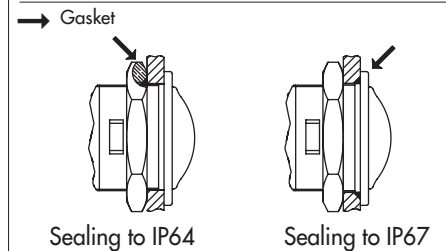
MATERIALS

- Case/bushing : thermoplastic
- Actuator : polyurethane
- Contacts : silver
- Terminal seal : epoxy

ENVIRONMENTAL SPECIFICATIONS

- Front panel sealing (see drawings opposite) :
 - With gasket above the panel : IP67
 - With gasket under the panel : IP64
- Operating temperature : -20°C to +65°C

PANEL MOUNTING



IA

SERIES

Shape

R round

Electrical
function

3 Normally
open (NO)
5 NC/NO
combined

Terminals

F Wire leads

Contacts

1 Silver

Plunger 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 section H.



Mounting accessories : Standard hardware supplied : 1 hex nut 19 mm (.748) across flats and 1 gasket. Knurled nut U3327 available on request. This nut is presented in Section I.



Packaging unit : 25 pieces

Bushing Ø 16 (.629)