

IA series

Low profile pushbutton switches for harsh environments

Distinctive features - Specifications - Overview

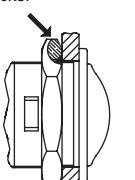
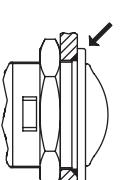
- Resistant to frost, sand and hydrocarbons
- Tactile feedback
- Front panel sealed to IP 67

B

ELECTRICAL AND GENERAL SPECIFICATIONS	
<ul style="list-style-type: none">Max. current/voltage rating with resistive load : 2A 24VDCInitial contact resistance : 100mΩ max.Insulation resistance : 100 MΩ min. at 500VDCDielectric strength : 500 VAC rmsElectrical life at full load : 1 000.000 cyclesTorque : 0,5 to 1Nm applied to nutPanel thickness : 7 mm (.276) max.Total travel : 1,5 mm +/- 0,3 (.059 +/- .012)Operating force : 6,5 N ±2N	

ENVIRONMENTAL SPECIFICATIONS	
<ul style="list-style-type: none">Front panel sealing (see drawings opposite) :<ul style="list-style-type: none">- With gasket above the panel : IP67- With gasket under the panel : IP64Operating temperature : -20°C to +65°C	

MATERIALS	
<ul style="list-style-type: none">Case/bushing : thermoplasticActuator : polyurethaneContacts : silverTerminal seal : epoxy	

PANEL MOUNTING	
	

IA						
SERIES	Shape	Electrical function	Terminals	Contacts	Plunger colours	Case colour
	R round	<ul style="list-style-type: none">3 Normally open (NO)5 NC/NO combined	<ul style="list-style-type: none">F Wire leads	<ul style="list-style-type: none">1 Silver	<ul style="list-style-type: none">1 Blue2 Black3 Green5 Yellow6 Red7/1 White9 Orange	<ul style="list-style-type: none">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.

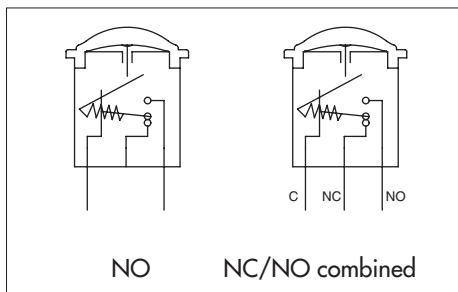


Packaging unit : 25 pieces

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Bushing Ø 16 (.629)



- 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



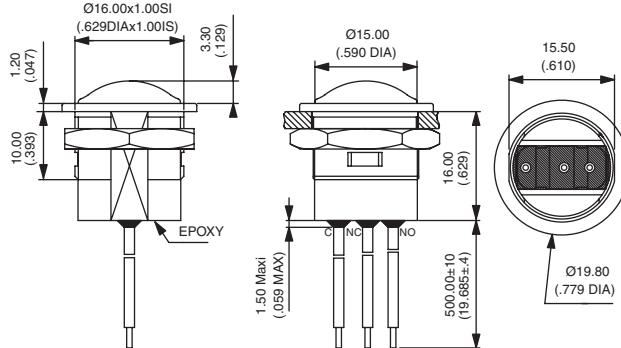
NO model has 2 terminals only.

Models



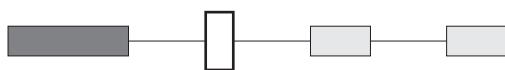
Normally open (NO)
IAR3F

NC/NO combined
IAR5F



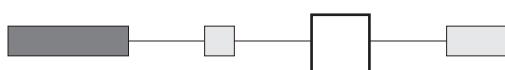
Wire colours (NC/NO) : black = common, brown = NC, blue = NO

CONTACT MATERIAL



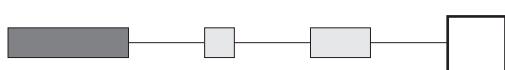
1 Silver

PLUNGER COLOUR



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

CASE COLOUR



00 : black