Sealed pushbutton switches • bushing Ø 16 mm • latching



DISTINCTIVE FEATURES

Latching action models

Sealed to IP67

Illuminated or non-illuminated

Flat round actuator for optional marking



ENVIRONMENTAL SPECIFICATIONS

- Front panel sealing: IP67 according to IEC 60529
- Shock resistance: 100 g according to IEC 512-4, test 6c
- Vibration resistance: 10-500Hz 10 g according to IEC 512-4, test 6d
- Salt spray: IEC 512-6, test 11f
- Operating temperature : -40 °C to +85 °C (-40 °F to +185 °F)



ELECTRICAL SPECIFICATIONS

- Max. current/voltage rating with resistive load (gold plated contacts):
- Code 4: 100 mA 24V DC, 200,000 cycles
- Code 7: 4 A 12 VDC, 200,000 cycles
- 1 A 48 VDC, 200,000 cycles
- 3 A 48 VDC, 75,000 cycles
- Initial contact resistance : 100 m Ω max.
- Insulation resistance : $1 G\Omega$ min. at 500 VDC
- Dielectric strength: 1,500 Vrms between terminals





LED	COMPO	NIENIT	CDEC		
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	EED COMPONENT SEED ICATIONS					
LED color	Forward current	Typ. forward voltage	Max. forward voltage			
Super red (0S)	20 mA	1.95 V	1.95 V			
Yellow (0Y)	20 mA	2 V	2.05 V			
Green (0G)	20 mA	2.1 V	2.5 V			
Blue (0B)	20 mA	3.2 V	4 V			

A resistor must be series-connected by the user.

Resistor value = supply voltage - LED forward voltage

LED forward current

On flying lead versions, the LED resistor can be integrated by SOCOJE on request.

The company reserves the right to change specifications without notice.

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GENERAL SPECIFICATIONS

- Panel thickness: 8 mm (.314) max.
- Total travel: 2.5 mm (.098) ± 0.3 mm
- Typical operating force: 5 N ± 2 N
- Low level or mechanical life: 200,000 cycles
- Torque: 0.8 Nm max. applied to nut
- Soldering: 320 °C (608 °F) max. for 3 sec.



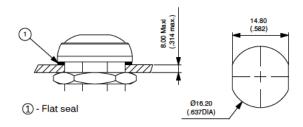
MATERIALS

- Case: thermoplastic UL94-V0
- Plunger : polyamide
- Bushing/bezel : polyamide
- Contacts: silver, gold plated (codes 4 and 7)
- Multi-wire leads AWG20, section 0.6 mm²
- LED wire: AWG26, section 0.12 mm2
- Lens: polycarbonate
- Terminal seal : epoxy

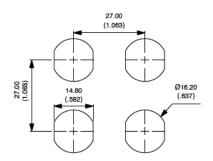


MOUNTING

PANEL CUT-OUT

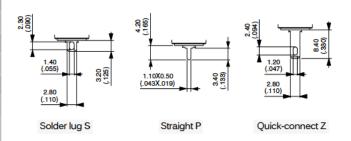


MATRIX MOUNTING





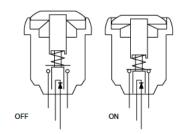
TERMINALS



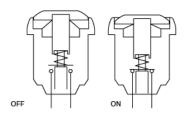


ELECTRICAL FUNCTIONS

ILLUMINATED MODELS



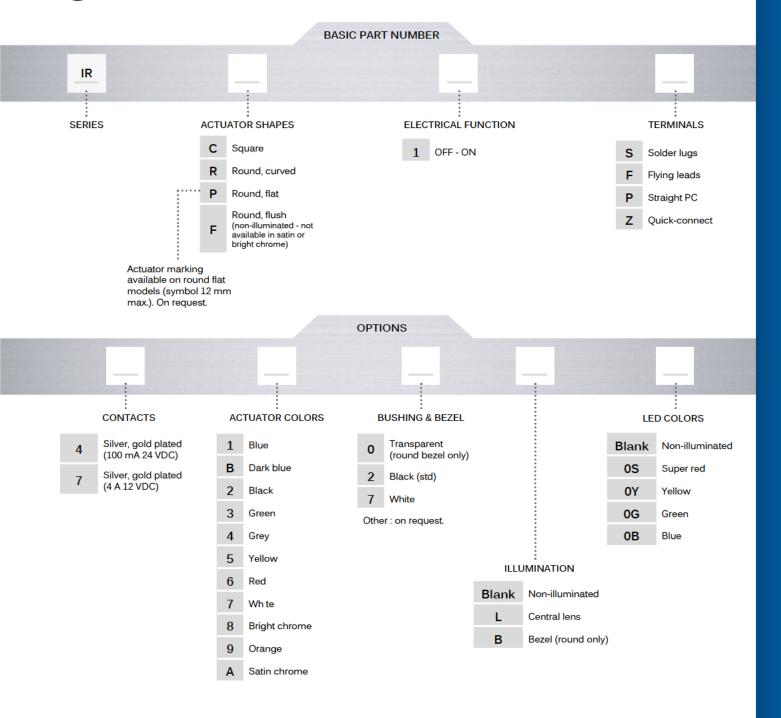
NON-ILLUMINATED MODELS



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(£3)

BUILD YOUR PART NUMBER





ABOUT THIS SERIES

On the following pages, you will find successively basic part numbers of switches and options in the same order as in above chart.

- Notice: please note that not all combinations of above numbers are available. Refer to the following pages for further information.
- (A sealing boot is available to protect the switches against frost and sand (P/N U7125). Round models only. See "Sealing Boots" section of website.
- Mounting accessories: Standard hardware supplied: 1 hex nut 19 mm (.748) across flats and 1 flat seal. Hex nut P/N U6715.

Sealed pushbutton switches • bushing Ø 16 mm • latching

ROUND - ILLUMINATED SOLDER LUG TERMINALS



Also available with straight PC terminals: IR•1P & quick-connect terminals: IR•1Z.

ROUND - ILLUMINATED FLYING LEAD TERMINALS



Wire colors: black: contact, red: LED anode (+), blue: LED cathode (-)

ROUND - NON-ILLUMINATED SOLDER LUG TERMINALS



Curved actuator

IRR1S OFF - ON

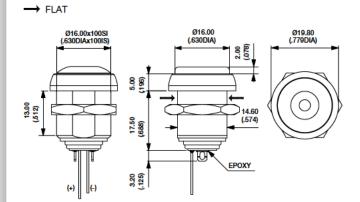
Flat actuator

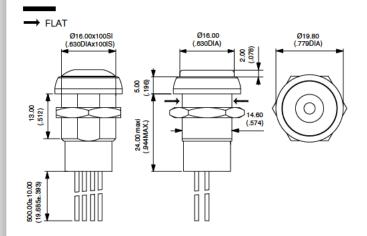
IRP1S OFF - ON

Also available with straight PC terminals: IR•1P & quick-connect terminals: IR•1Z.

ROUND - NON-ILLUMINATED FLYING LEAD TERMINALS

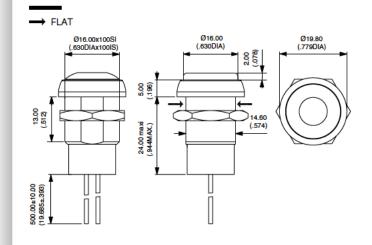






Ø16.00x100Sl (.630DIAx100IS) Ø6.00x100Sl (.630DIA) Ø6.00x100Sl (.630DIA) Ø7.00x100Sl (.630DIA) Ø7.00x100Sl (.630DIA) Ø7.00x100Sl (.630DIA)

→ FLAT



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SQUARE - ILLUMINATED SOLDER LUG TERMINALS



Also available with straight PC terminals: IR•1P & quick-connect terminals: IR•1Z.

SQUARE - ILLUMINATED FLYING LEAD TERMINALS



Wire colors : black : contact, red : LED anode(+), blue : LED cathode (-)

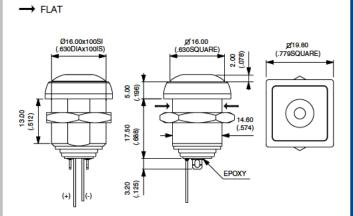
SQUARE - NON-ILLUMINATED SOLDER LUG TERMINALS

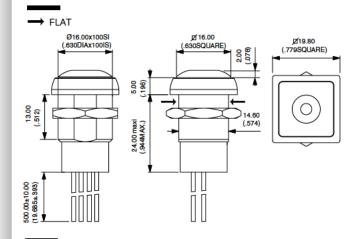


Also available with straight PC terminals: IRC1P4 & quick-connect terminals: IRC1Z4.

SQUARE - NON-ILLUMINATED FLYING LEAD TERMINALS

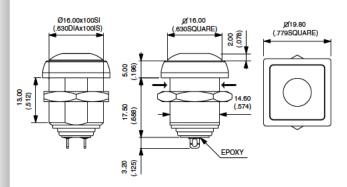


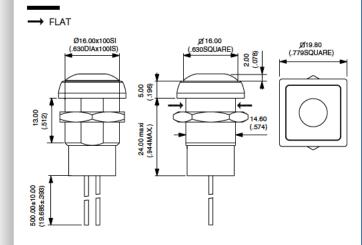




 \rightarrow FLAT

OFF - ON





Sealed pushbutton switches ullet bushing \emptyset 16 mm ullet latching

		ACTUATOR COLORS
	BASIC	P/N
	1 B 2 3 4 5 6 7	Blue Dark blue Black Green Grey Yellow Red White Bright chrome
	9 A	Orange Satin chrome
		BUSHING AND BEZEL
	BASIC	P/N
	0 2 7	Transparent (round bezel only) Black (standard) White
		ILLUMINATION
	BASIC	P/N
	Blank L B	Non-illuminated Central lens Bezel (round only)
-		LED COLORS
	BASIC	P/N
	Blank 05 0Y 0G 0B	Non-illuminated Super red Yellow Green Blue