Sealed pushbutton switches • bushing Ø 16 mm • snap-in mounting • momentary



SN-10MOM-1108

DISTINCTIVE FEATURES

Snap-in mounting for easy installation Momentary models Illuminated or non-illuminated Flat round actuator for optional marking Sealed to IP54



ENVIRONMENTAL SPECIFICATIONS

- Front panel sealing: IP54 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
- \bullet 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 : 200 mA 48 VDC, 500,000 cycles Code 7 : 5 A 28 VDC, 70,000 cycles
 - Silver contacts (code 2) screw terminals : 4 A 48 VDC, 500,000 cycles
- Initial contact resistance : 100 $\text{m}\Omega$ max.
- \bullet Insulation resistance : 1 G Ω min. at 500 VDC
- Dielectric strength: 1,500 Vrms





LED COMPONENT SPECIFICATION							
LED color	Forward current	Typ. forward voltage	Max. forward voltage				
Super red (L0S)	20 mA	2.1 V	2.3 V				
Yellow (L0Y)	20 mA	2.1 V	2.3 V				
Green (L0G)	20 mA	2.1 V	2.3 V				
Blue (L0B)	20 mA	3.2 V	3.8 V				
White (L0W)	20 mA	3.35 V	4.25 V				
Red/Green (LSG)	20 mA	Red: 1.95 V / Green: 2.1 V	2.5 V				
Yellow/green (LYG)	20 mA	Yellow: 2 V / green: 2.1 V	2.5 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 APEM on request.

The company reserves the right to change specifications without notice.

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GENERAL SPECIFICATIONS

• Panel thickness:

with flat seal: 2.20 mm (.088) max. without flat seal: 3 mm (.118) max.

- Total travel : 1.6 mm (.062) ± 0.3 mm
- Typical operating force : 4 N ± 2 N
- Low level or mechanical life: 1,000,000 cycles
- Soldering: 320 °C (608 °F) max. for 3 sec.



MATERIALS

• Case: thermoplastic UL94-V0

• Actuator : polyamide 6/6

• Bushing/bezel: polyamide 6/6

• Contacts :

4 and 7: silver, gold plated 2: silver (screw terminals)

• Multi-wire leads AWG20, section 0.6 mm²

• LED wire: AWG26, section 0.12 mm²

• Lens : polycarbonate

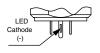
• Terminal seal: epoxy



TERMINALS

ILLUMINATED MODELS

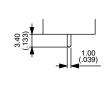




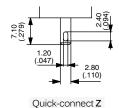
Solder lug S

Straight P

NON-ILLUMINATED MODELS

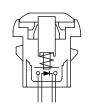


Straight P

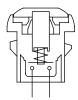


ELECTRICAL FUNCTIONS

ILLUMINATED MODELS



NON-ILLUMINATED MODELS

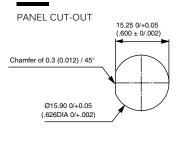


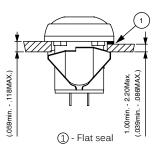
Function 3 (NO)

Function 3 (NO)

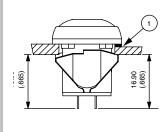


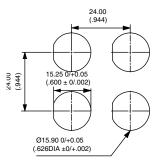
MOUNTING





BACK OF PANEL SPACE REQUIREMENT - MATRIX MOUNTING

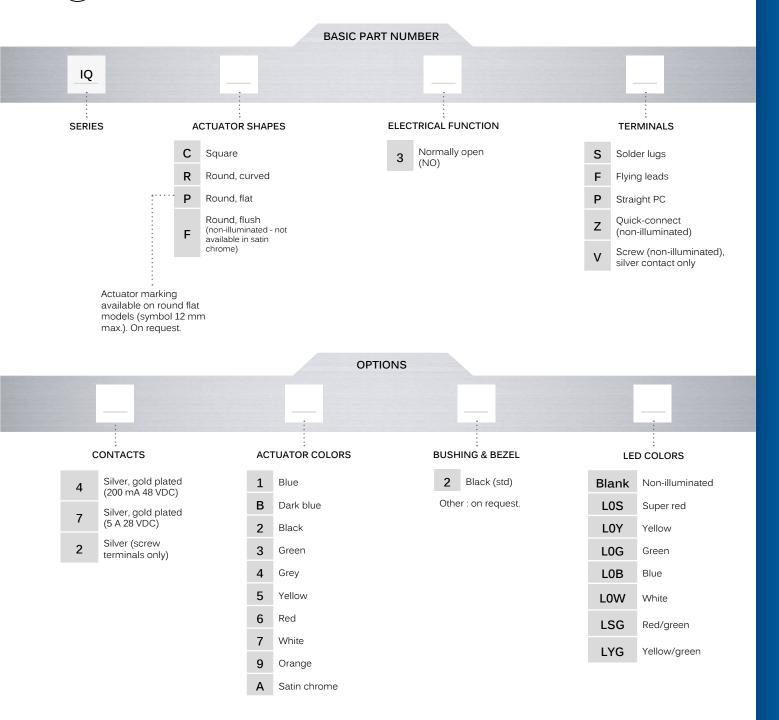




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(£3)

BUILD YOUR PART NUMBER





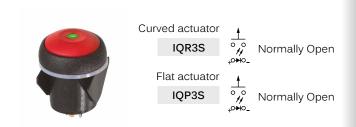
ABOUT THIS SERIES

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.
- Mounting accessories: Standard hardware supplied: 1 flat seal

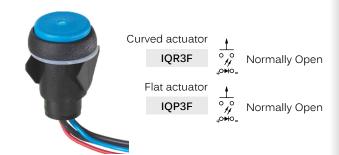
Sealed pushbutton switches • bushing Ø 16 mm • snap-in mounting • momentary

ROUND - ILLUMINATED SOLDER LUG TERMINALS



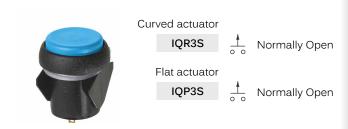
Also available with straight PC terminals: IQ•3P4. LED color is indicated by the bottom of the switch.

ROUND - ILLUMINATED FLYING LEAD TERMINALS



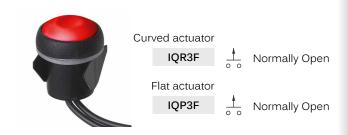
Wire colors: black: NO contact, red: LED anode (+), blue: LED cathode (-)

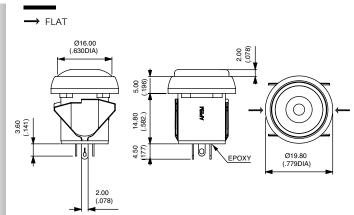
ROUND - NON-ILLUMINATED SOLDER LUG TERMINALS

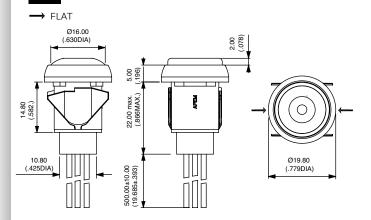


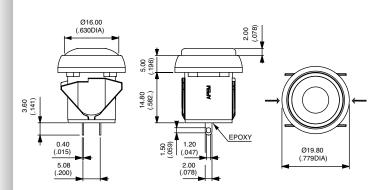
Also available with straight PC terminals : $IQ \cdot 3P4$ and quick-connect terminals : $IQ \cdot 3Z4$.

ROUND - NON-ILLUMINATED FLYING LEAD TERMINALS

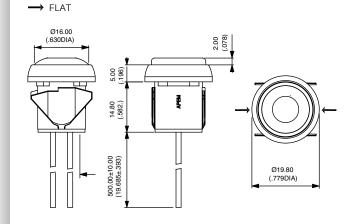






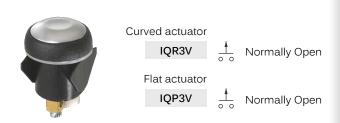


→ FLAT

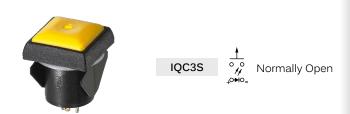


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ROUND - NON-ILLUMINATED SCREW TERMINALS



SQUARE - ILLUMINATED SOLDER LUG TERMINALS



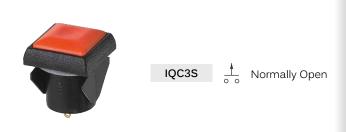
Also available with straight PC terminals: IQC3P. LED color is indicated by the bottom of the switch.

SQUARE - ILLUMINATED FLYING LEAD TERMINALS

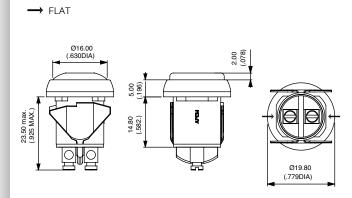


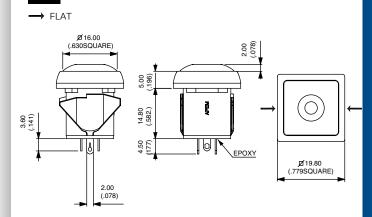
Wire colors: black: NO contact, red: LED anode (+), blue: LED cathode (-)

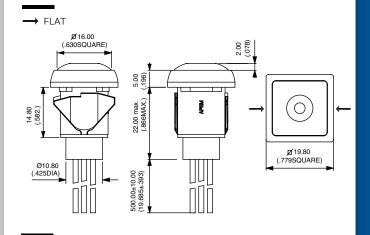
SQUARE - NON-ILLUMINATED SOLDER LUG TERMINALS

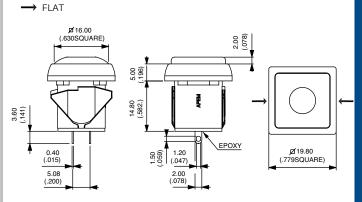


Also available with straight PC terminals: IQC3P or quick-connect terminals: IQC3Z.

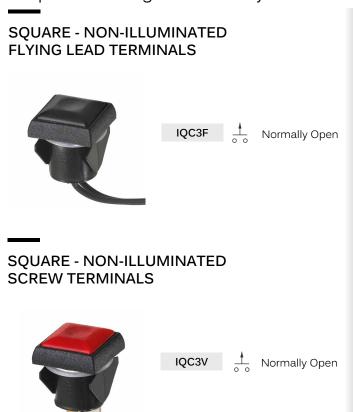


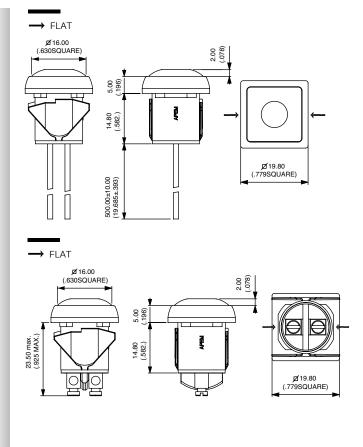






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CONTACT MATERIALS

- Silver, gold plated (200 mA 48 VDC)
- 7 Silver, gold plated (5 A 28 VDC)
- 2 Silver

BASIC P/N

Contacts 4 and 7 only for solder lug and flying lead terminals. Contacts 2 only for screw terminals.

ACTUATOR COLORS

1 Blue

BASIC P/N

- В Dark blue
- 2 Black
- 3 Green
- 4 Grey
- Yellow
- 5
- 7 White
- 9 Orange
- Α Satin chrome

Red

6

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BUSHING AND BEZEL								
BASI	C P/N							
2	Black (standard)							
			LED C	OLORS				
BAS	C P/N]				
Blank LOS LOY LOG LOB LOW LSG LYG	Non-illuminated Super Red Yellow Green Blue White Red/green Yellow/green							