5W.17.2801

IX series

Pushbutton switches for harsh environments • bushing Ø 12 mm • momentary NO & NC/NO



DISTINCTIVE FEATURES

Backlighted marking in a compact case Strong tactile feedback NO or NC/NO

High sealing level, no space between actuator and bushing (IP67/IP69K)



ENVIRONMENTAL SPECIFICATIONS

- \bullet Operating and storage temperature : -40 °C to +85 °C (-40 °F to +185 °F)
- \bullet Front panel sealing : $\,$ IP67 according to IEC 60529,
 - IP69K according to DIN 40050-9
- Shock resistance: 100 g according to IEC 512-4, test 6c
- Salt spray: IEC 512-6, test 11f



ELECTRICAL SPECIFICATIONS

- Max. current/voltage rating with resistive load:
 - Gold plated contact (0): 100 mA 28 VDC, 1,000,000 cycles
 - Silver contact (1): 2 A 28 VDC, 100,000 cycles
- Initial contact resistance : 100 $\text{m}\Omega$ max.
- \bullet Insulation resistance : 1 G Ω min. at 500 VDC
- Dielectric strength : 1,500 Vrms
- Contact bounce: 10 ms





		LED COMPO	DNENT SPECIFICATIONS
LED color	Forward current	Typ. forward voltage	Max. forward voltage
Red (R)	20 mA	1.9 V	2.5 V
Yellow (Y)	20 mA	2.3 V	2.8 V
Green (G)	20 mA	4 V	4.5 V
Blue (B)	20 mA	3.2 V	3.7 V
White (W)	20 mA	3.3 V	4 V
Red/green (F)	20 mA	Red: 2 V / green: 3.2 V	Red: 2.8 V / green: 3.7 V

A resistor must be series-connected by the user. Resistor value = supply voltage - LED forward voltage

LED forward current

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GENERAL SPECIFICATIONS

• Panel thickness: 1.5 to 6 mm

• Total travel : 2 mm (.078) ± 0.3 mm

• Typical operating force : 7 N ± 2 N

• Low level/mech. life: 1,000,000 cycles

• Torque: 0.55 Nm (0.6 Nm max.) applied to nut

• Soldering: 320 °C (608 °F) max. for 3 sec.



MATERIALS

• Case: thermoplastic UL94-V0

• Actuator : silicone

• Bushing: ABS UL94 HB

• Contacts:

0: gold plated

1: silver

• Output wires: AWG24, section 0.23 mm² - 500 mm

• Terminal seal: epoxy

APEM products may be recycled at end-of-life for the re-claiming of valuable metal components.



CONNECTIONS

WIRES TERMINALS

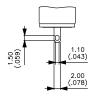
• Contact NO: black color / Contact NC: blue color

• LED: +: red color

-: white color



TERMINALS

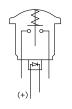


Solder lug S



ELECTRICAL FUNCTION

ILLUMINATED MODELS





Function 3 (NO)

Function 5 (NC/NO)

NON-ILLUMINATED MODELS





Function 3 (NO)

Function 5 (NC/NO)

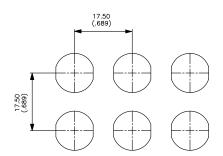


MOUNTING

PANEL CUT-OUT



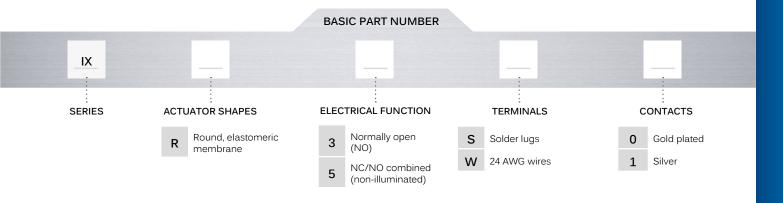
MATRIX MOUNTING

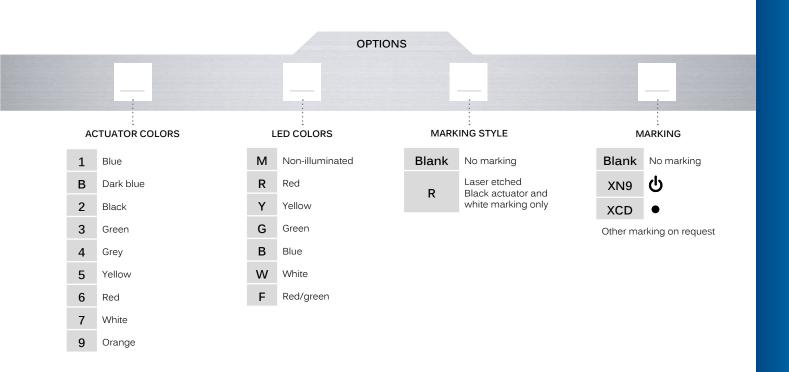


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BUILD YOUR PART NUMBER







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 hex nut 14 mm (.551) across flats and 1 O-Ring.

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SOLDER LUG TERMINALS NON-ILLUMINATED - NO



IXR3S••M

SOLDER LUG TERMINALS NON-ILLUMINATED - NC/NO



IXR5S••M

SOLDER LUG TERMINALS ILLUMINATED - NC/NO



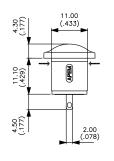
IXR5S

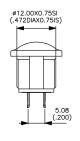
FLYING LEAD TERMINALS ILLUMINATED - NC/NO

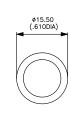


IXR5W

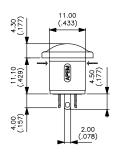


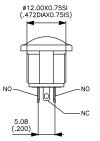






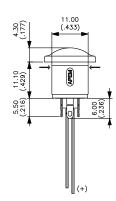


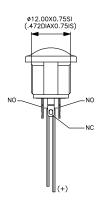


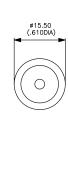




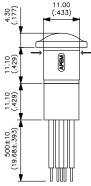


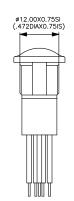














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				ACTUATOR COLORS		
	BASIC F	P/N				
! :		Blue Dark blue Black Green Grey	5 6 7 9	Yellow Red White Orange		
LED COLORS						
	BASIC F	P/N				
 	G B	Non-illuminated Red Yellow Green Blue White Red/green		MARKING OTHER		
				MARKING STYLE		
	BASIC F	P/N				
Blank No marking R Laser etched - Black actuator and white marking only						
MARKING						
	BASIC F	P/N				
	XN9 XCD	No Marking U - Symbol "power" - Symbol "dot" arking on request				

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Apem:

IXR3W12M IXR3W16W IXR3S02M IXR3S02RRXN9 IXR3S12M