Double icon illuminated pushbuttons • bushing Ø 24 or 26 mm • momentary or latching



5MFD-3101

#### DISTINCTIVE FEATURES

Double icon actuator Snap-in and threaded bushing models Large but lightweight Sealed to IP69K (threaded bushing version)



#### ENVIRONMENTAL SPECIFICATIONS

- Front panel sealing :
- Threaded bushing version : IP69K according to DIN 40050-9
- Snap-in version : IP54 according to IEC 60529 with panel gasket and 2 mm panel thickness
- Operating temperature : -40 °C to +75 °C (40 °F to +167 °F)



### ELECTRICAL SPECIFICATIONS

- Max. current/voltage rating with resistive load :
- silver contacts (code 2) : 4 A 12 VDC
- gold plated contacts (code 4) : 200 mA 12 VDC
- Initial contact resistance : 50 m  $\Omega$  max.
- Insulation resistance : 1 G $\Omega$  min. at 500 VDC
- Dielectric strength : 1,000 Vrms 50 Hz min.
- Electrical life at full load :
  - Momentary models : 1 million cycles (gold plated contacts) 400,000 cycles (silver contacts)
  - Latching models : 200,000 cycles

	LED COMPON	ENT SPECIFICATIONS	
LED color	Forward current	Typ. forward voltage	Max. forward voltage
Red/Green	20 mA / 20 mA	2.2 V / 3.2V	2.8 V / 4 V
	r must be series-conn	,	

Resistor value = supply voltage - LED forward voltage

LED forward current





The company reserves the right to change specifications without notice.

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#### GENERAL SPECIFICATIONS

- Panel thickness :
- Snap-in version :
- 1.5 (.059) to 2 mm (.078) with panel gasket
- 2 (.078) to 2.5 mm (.885) without panel gasket
- Threaded bushing version :1(.039) to 18 mm (.708) max.
- Total travel : 2.5 mm ± 0.5 mm
- Typical operating force : 8 N  $\pm$  2 N
- Low level or mechanical life :
- Momentary models : 1 million cycles
- Latching models : 200,000 cycles
- Torque : 3 Nm max. applied to nut

MATERIALS

- Case : PA46
- Actuator : PA12
- Bushing/ bezel : PA66
- Contacts : silver (code 2) or silver, gold plated (code 4)

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

PANEL CUT-OUT

11.50 (.453)

11.30 (.445)



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# Double icon illuminated pushbuttons ${\scriptstyle \bullet}$ bushing Ø 24 or 26 mm ${\scriptstyle \bullet}$ momentary or latching



)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.
- (1) Mounting accessories : Standard hardware supplied : 1 hex nut (threaded bushing version) and 1 panel gasket.

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#### LED CONTROL AND NUMBER OF POLES

To order a product, replace • with one of the following codes, then add the desired options.

	Function 1 (latching)	Function 3 (momentary)	
Independent LED single pole C			
Independent LED double pole D			
Green LED in ON position single pole F		-	
Red LED in ON position single pole <b>G</b>		-	
dotted line = jumper to be wired by the user. LED- has to be wired to one pin of pole 2.			

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