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



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 Ω 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 COMPONENT 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	

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:
- 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 15,5mm (.590) 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: 2 Nm max. applied to nut



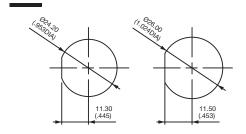
MATERIALS

- 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.

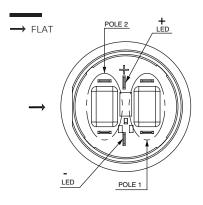


PANEL CUT-OUT



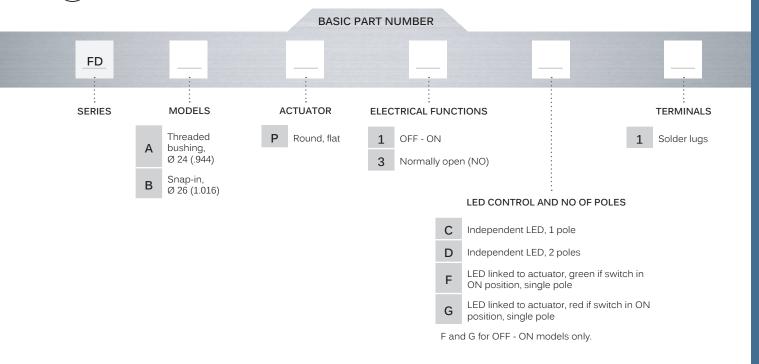


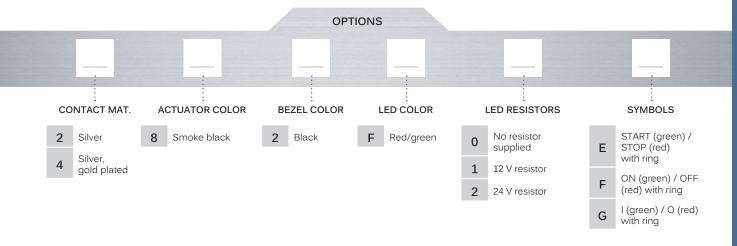
WIRING DIAGRAM



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ि BUILD YOUR PART NUMBER





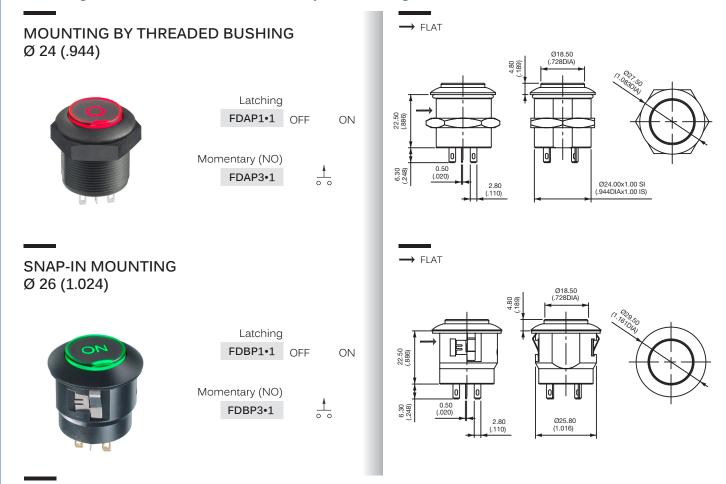
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ABOUT THIS SERIES

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.
- (h) 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	+ 0 0 -	+ 0 1 -	
Independent LED double pole D	+ 1000-	+ 10 1 10 01	
Green LED in ON position single pole F	+	-	
Red LED in ON position single pole G	+	-	
green line = jumper to be wired by the user. LED- has to be wired to one pin of pole 2.			

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CONTACT MATERIALS				
BASIC P/N				
2 Silver4 Silver, gold plated				
ACTUATOR COLOR				
BASIC P/N				
8 Smoke black				
BEZEL COLOR				
BASIC P/N				
2 Black				
LED COLOR				
BASIC P/N				
F Red/green				
LED RESISTOR				
BASIC P/N				
 No resistor supplied 1 12 VDC resistor 2 24 VDC resistor 30 VDC resistor 15 VDC resistor 				
SYMBOLS				
BASIC P/N				
E START (green) / STOP (red) with ring F ON (green) / OFF (red) with ring G I (green) / O (red) with ring				
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