2-Position Selector Switch Operators, Illuminated §

Standard Knob
Cat. No. 800FP-LSM26

Switching Angle

	Target Table and Operator Position✳	
Contact Type➤		
N.O.	O	X
N.C.	X	O

Note: X = Closed/O = Open
➤ Contact selection is limited to the following options, consult your local Rockwell Automation sales office or Allen-Bradley distributor for other options.

Color	Operator Type		Pkg. Quantity	Standard Knob	
				Plastic	Metal
				Cat. No.	Cat. No.
Green			1	**800FP-LSM23**	**800FM-LSM23**
Red				**800FP-LSM24**	**800FM-LSM24**
Yellow				**800FP-LSM25**	**800FM-LSM25**

✳ Target table for spring return from left is reversed from what is shown in the table.

$$800F \quad P \quad - \quad LS \quad M2 \quad 3 \quad \underline{\quad}$$
$$\quad\quad\quad a \quad\quad b \quad\quad c \quad\quad d \quad\quad e$$

a

Operator Construction	
Code	Description❋
P	Round plastic operator (IP66, Type 4/4X/13)
M	Round metal operator (IP66, Type 4/13)

b

Operator Type	
Code	Description
LS	Standard knob
LH	Knob lever♣

c

Operator Function	
Code	Type
M2	Maintained (60° switching angle)
L2	Spring return from left (60° switching angle)
R2	Spring return from right (60° switching angle)

d

Knob/Insert Color		
Code	Knob Color	Insert Color
0	Amber➤	White
3	Green	White
4	Red	White
5	Yellow➤	Black
6	Blue➤	White
7	Clear	Black

e

Orientation	
Code	Description
Blank	Standard
N	90° offset‡

❋ LED module required for illumination, can not use incandescent module.
‡ For use in vertical mount enclosures.
§ Crevices may exist on product that may be unsuitable for certain applications. Please consult your local Rockwell Automation sales office or Allen-Bradley distributor.
♣ Only available in clear.
➤ Use of a white LED is recommended.

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Overview, Continued

3-Across x 2-Deep Back-of-Panel (6 Circuits Max.)

• Rugged snap-fit design for plastic or metal latch
• Stackable contact blocks
• Rotating collar for easy one-hand latch removal
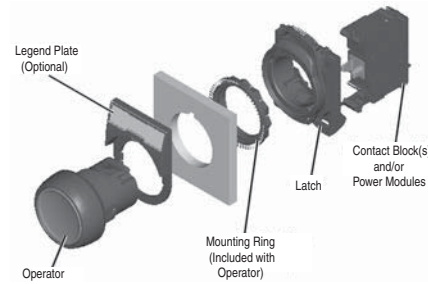• Color-coded contact block plungers for contact identification

Plastic Latch with Contact Block

Metal Latch with Contact Block

Assembly Overview

Legend Plate (Optional)
Contact Block(s) and/or Power Modules
Latch
Mounting Ring (Included with Operator)
Operator

Specifications∗

Front-of-Panel (Operators)

Mechanical Ratings			
Description		**Plastic (Bulletin 800FP)**	**Metal (Bulletin 800FM)**
Vibration (assembled to panel)		Tested at 10…2000 Hz, 1.52 mm displacement (peak-to-peak) max./10 G max. for 3 hr duration, no damage	
Shock		Tested at 1/2 cycle sine wave for 11 ms; no damage at 100 G	
Degree of protection❋		IP65/66 (Type 3/3R/4/4X/12/13)	IP65/66 (Type 3/3R/4/12/13)
Mechanical durability per EN 60947-5-1 (Annex C)	10 000 000 Cycles	Momentary push buttons, momentary mushroom	
	1 000 000 Cycles	Multi-function, selector switch, key selector switch, selector jog, SensEject™ key selector switch	
	500 000 Cycles	Non-illuminated push-pull E-stop‡	
	300 000 Cycles	Twist-to-release E-stop, illuminated push-pull E-stop‡, alternate action push buttons	
	100 000 Cycles	Potentiometer, toggle switch	
Operating forces (typical with one contact block)		Flush/extended = 5 N, E-stop = 36 N Mushroom = 9 N	
Operating torque (typical application with one contact block)		Selector switch = 0.25 N•m (2.2 lb•in)	
Mounting torque	Plastic	1.7 N•m (15 lb•in)	
	Metal	4.4 N•m (40 lb•in)	
Environmental			
Temperature range (operating)		-25…+70 °C (-13…+158 °F)§	
Temperature range (short term storage)		-40…+85 °C (-40…+185 °F)	
Humidity		50…95% RH from 25…60 °C (77…140 °F)	

∗ Performance Data — see page Important-3 of the Industrial Controls catalog.

❋ Momentary mushroom operators are IP65. Plastic keyed operators are IP66, Type 4/13; not Type 4X.

‡ Limit of four contact blocks max. for these devices.

§ Operating temperatures below 0 °C (32 °F) are based on the absence of freezing moisture and liquids, UL Recognized to 55 °C (131 °F) - Incandescent module max. 40 °C (104 °F).

Product Certifications

Certifications	UR/UL, CSA, CCC, CE
Standards Compliance — CE Marked	NEMA ICS-5; UL 508, EN ISO 13850, EN 60947-1, EN 60947-5-1, EN 60947-5-5
Terminal Identification	EN/IEC 60947-1
Shipping Approvals	ABS
RoHS	✓

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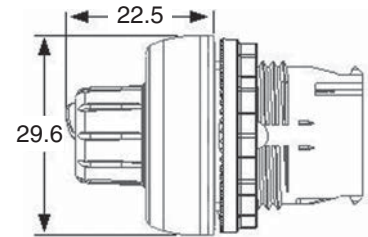Dimensions in millimeters. Dimensions are not intended to be used for manufacturing purposes.

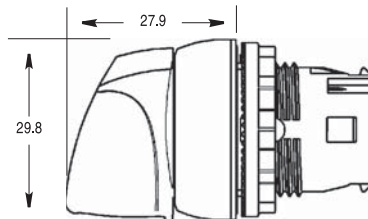### Illuminated and Non-Illuminated 2-Position Multi-Function Operators

16.8
49.6
12.8
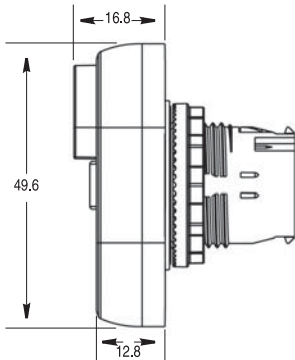
Non-Illuminated 3-Position Multi-Function Operators

17.5
49.6
12.8
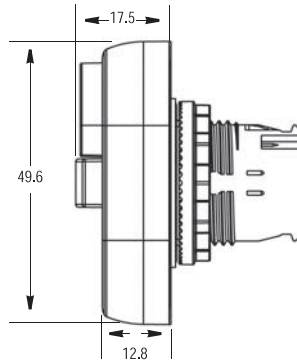
Potentiometer Operator

22.5
29.6

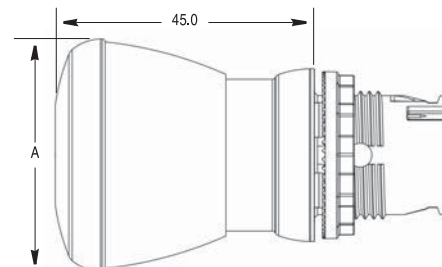### Illuminated and Non-Illuminated Knob Selector Switch Operators

27.9
29.8

Non-Illuminated Knob Lever Selector Switch Operators

38.8
28
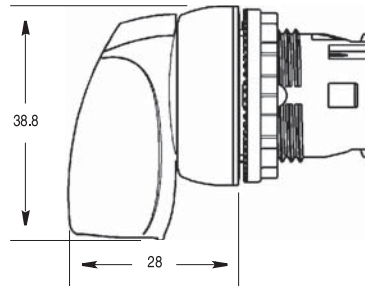
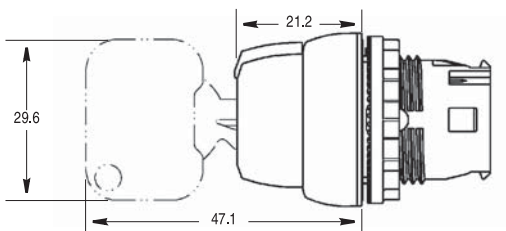### Illuminated and Non-Illuminated Twist-to-Release Operators 30 mm, 40 mm, and 60 mm

45.0
A
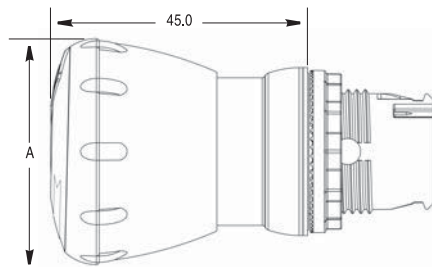
Illuminated and Non-Illuminated Push-Pull Mushroom Operators 30 mm, 40 mm, and 60 mm

45.0
A

Operator	A
30 mm	30.0
40 mm	40.0
60 mm	60.0

Key Selector Switch and Key Ejected SensEject Operators

21.2
29.6
47.1

Mushroom Key Release Operator 40 mm

45.0
40.0
3825
3825
72.0

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