

Toggle Switch Operators



Toggle Switch Operator
Cat. No. 800FM-JM2

Table 22 - Target Table and Operator Position (2-position)

Contact Type ⁽²⁾	Position on Mounting Latch			
		Toggle Left	Center	Toggle Right
N.O.	Left	0	0	X
	Right	X	0	0
	Center	X	0	X
N.C.	Left	X	X	0
	Right	0	X	X
	Center	0	X	0

Table 23 - Target Table and Operator Position (4-position) ⁽¹⁾

Contact Type ⁽²⁾	Position on Mounting Latch					
		Toggle Up	Toggle Left	Center	Toggle Right	Toggle Down
N.O.	Left	X	0	0	0	0
	Right	0	X	0	0	0
	Center	X	X	0	0	0
N.C.L.B.	Left	0	X	X	X	X
	Right	X	0	X	X	X
	Center	0	0	X	X	X
N.C.E.B.	Left	0	0	0	0	X
	Right	0	0	0	X	0

(1) Must use N.O., N.C.E.B., or N.C.L.B. contact blocks only. Cannot use N.C. or N.O.E.M. contact blocks with 4-position toggle switch.

(2) Contact selection is limited to the following options, consult your local Rockwell Automation sales office or Allen-Bradley distributor for other options.

Note: X = Closed / 0 = Open

800F M - J M2
 a b c

a	
Operator Construction	
Code	Description
M	Round metal operator (IP66, Type 4/13)

b	
Operator Type	
Code	Description
J	Toggle switch ⁽¹⁾⁽²⁾

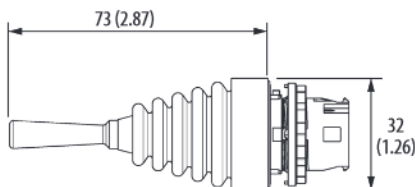
c	
Operator Function	
Code	Description
M2	2-position, maintained
R2	2-position, momentary
M4	4-position, maintained
R4	4-position, momentary

(1) Use legend plates 800F-34_ and 800F-35_.

(2) Silicone boot comes standard with toggle switch, consult your local Rockwell Automation sales office or Allen-Bradley distributor for replacement boots.

Approximate Dimensions

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



Back-of-panel Components

Contact Blocks with Latch – Composite



800F - P X 0 1 E
a b c d e

a	
Style	
Code	Description
P	Plastic latch
M	Metal latch

b	
Contact Block Termination Style ⁽¹⁾	
Code	Description
X	Screw termination
Q	Spring-clamp termination

c	
N.O. (Normally Open) Circuits	
Code	Description
0	No contact
1	1 N.O.
2	2 N.O.
3	3 N.O.
4	4 N.O.
5	5 N.O.
6	6 N.O.

d	
N.C. (Normally Closed) Circuits	
Code	Description
0	No contact
1	1 N.C.
2	2 N.C.
3	3 N.C.
4	4 N.C.
5	5 N.C.
6	6 N.C.

e	
Specialty Contact Block	
Code	Description
Blank	Standard blocks
V	Low-voltage – QuadConnect™
E	N.O. early make
L	N.C. late break
B	N.C. early break
S	N.C. self-monitoring

(1) Six circuits maximum allowable.

Power Modules with Latch – Composite



800F - M N 3 G
a b c d

a	
Style	
Code	Description
P	Plastic latch
M	Metal latch

b	
Power Module Type ⁽¹⁾ ⁽²⁾	
Code	Description
D	Incandescent module, screw termination
N	Integrated LED module, screw termination
Q	Integrated LED module, spring-clamp termination

c	
Voltage	
Code	Description
0	No bulb ⁽³⁾
1	6V AC/DC ⁽³⁾
2	12V AC/DC ⁽³⁾
3	10...29V AC 10...30V DC
4	48V AC/DC ⁽³⁾
5	120V AC
7	240V AC ⁽⁴⁾

d	
Lamp Color ⁽⁵⁾	
Code	Description
C	Incandescent
R	Red LED
G	Green LED
W	White LED

- (1) LED modules for use with all illuminated operators. Incandescent module for use with pilot lights, momentary push buttons, and momentary mushroom operators only.
- (2) Four circuits maximum allowable when power module is used. Contact blocks cannot be stacked on power module.
- (3) Only available for incandescent module.
- (4) Only available for integrated LED module.
- (5) For best illumination results, LED color should match lens color. For yellow, blue, or amber operator, select a white LED.

Power Modules with Contact Blocks and Latch – Composite

800F - P N 5 R X 1 0 E
a b c d e f g h

a	
Style	
Code	Description
P	Plastic latch
M	Metal latch

b	
Power Module Type ^{(1) (2)}	
Code	Description
D	Incandescent module, screw termination
N	Integrated LED module, screw termination
Q	Integrated LED module, spring-clamp termination

c	
Voltage	
Code	Description
0	No bulb ⁽³⁾
1	6V AC/DC ⁽³⁾
2	12V AC/DC ⁽³⁾
3	10...29V AC 10...30V DC
4	48V AC/DC ⁽³⁾
5	120V AC
7	240V AC ⁽⁴⁾

d	
Lamp Color ⁽⁵⁾	
Code	Description
C	Incandescent
R	Red LED
G	Green LED
W	White LED

e	
Contact Block Termination Style	
Code	Description
X	Screw termination
Q	Spring-clamp termination

f	
N.O. (Normally Open) Circuits	
Code	Description
0	No contact
1	1 N.O.
2	2 N.O.
3	3 N.O.
4	4 N.O.

g	
N.C. (Normally Closed) Circuits	
Code	Description
0	No contact
1	1 N.C.
2	2 N.C.
3	3 N.C.
4	4 N.C.

h	
Specialty Contact Block	
Code	Description
Blank	Standard blocks
V	Low-voltage – QuadConnect™
E	N.O. early make
L	N.C. late break
B	N.C. early break
S	N.C. self-monitoring

- (1) Four circuits maximum allowable when power module is used. Contact blocks cannot be stacked on power module.
- (2) LED modules for use with all illuminated operators. Incandescent module for use with pilot lights, push buttons, and momentary mushroom operators only.
- (3) Only available for incandescent module.
- (4) Only available for integrated LED module.
- (5) For best illuminated results, LED should match lens color. For yellow, blue, or amber operator, select a white LED.

Other Back-of-panel Components

Table 24 - Latches





	Description	Pkg. Qty.	Cat. No.
 Cat. No. 800F-ALM	Metal Mounting Latch Zinc-plated, metal die cast mounting latches. Sold only in multiples of 10. Order (quantity of) 10 to receive one package of 10 pieces.	10	800F-ALM
	Note: Sold only in multiples of 100. Order (quantity of) 100 to receive one package of 100 pieces.	100	800F-ALM-BP
 Cat. No. 800F-ALP	Plastic Mounting Latch Note: Sold only in multiples of 10. Order (quantity of) 10 to receive one package of 10 pieces.	10	800F-ALP
	Note: Sold only in multiples of 100. Order (quantity of) 100 to receive one package of 100 pieces.	100	800F-ALP-BP

Table 25 - Contact Blocks

	Description	Contact Type	Pkg. Qty.	Cat. No.
 <p>Cat. No. 800F-X10</p>	<p>Contact Block Note: Sold only in multiples of 10. Order (quantity of) 10 to receive one package of 10 pieces. Latch not included.</p>	N.O.	10	800F-X10
		N.C.		800F-X01
		N.O. low-voltage — QuadConnect		800F-X10V
		N.C. low-voltage — QuadConnect		800F-X01V
		N.O.L.M.		800F-X10N ⁽¹⁾
		N.O.E.M.		800F-X10E
		N.O.E.E.M.		800F-X10M ⁽²⁾
		N.C.L.B.		800F-X01L
		N.C.E.B.		800F-X01B ⁽³⁾
		Self-Monitoring		800F-X01S ⁽⁴⁾
		Dual-circuit of 2 N.O.		800F-X20D ⁽⁴⁾
		Dual-circuit of 2 N.C.		800F-X02D ⁽⁴⁾
		Dual-circuit of 1 N.O.-1 N.C.		800F-X11D ⁽⁴⁾
		N.O. spring-clamp		800F-Q10
		N.C. spring-clamp		800F-Q01
		Ring lug N.O.		800F-R10 ⁽⁵⁾⁽⁶⁾
Ring lug N.C.	800F-R01 ⁽⁵⁾⁽⁶⁾			
<p>Note: Sold only in multiples of 100. Order (quantity of) 100 to receive one package of 100 pieces. Latch not included.</p>	N.O.	100	800F-X10-BP	
	N.C.		800F-X01-BP	
 <p>Cat. No. 800F-BX01</p>	<p>Base-mounted Contact Block Base-mounted contact blocks can be used in plastic or metal enclosures. Note: Sold only in multiples of 10. Order (quantity of) 10 to receive one package of 10 pieces. Latch not included.</p>	N.O.	10	800F-BX10
		N.C.		800F-BX01

- (1) For use with Cat. No. 800FP-CB_ and Cat. No. 800FP-CC_ operators.
- (2) For use with Cat. No. 800FP-CC_ operators.
- (3) Only for use with 4-position selector switch, 4-position toggle switch, or 3-position push-pull operator.
- (4) Cannot stack.
- (5) Cannot be used in a composite catalog number.
- (6) Replacement screws are available (Cat. No. 800F-ARS1)

Table 26 - Power Modules




	Description	Voltage	Pkg. Qty.	Cat. No.
 <p>Cat. No. 800F-D3C</p>	<p>Incandescent Module For use with pilot lights, push buttons, and momentary mushroom operators. Note: Sold in multiples of 10. Order (quantity of) 10 to receive one package of 10 pieces. Latch not included.</p>	No bulb	10	800F-D0C
		6V AC/DC		800F-D1C
		12V AC/DC		800F-D2C
		24V AC/DC		800F-D3C
		48V AC/DC		800F-D4C
		120V AC/DC		800F-D5C

Table 26 - Power Modules (Continued)

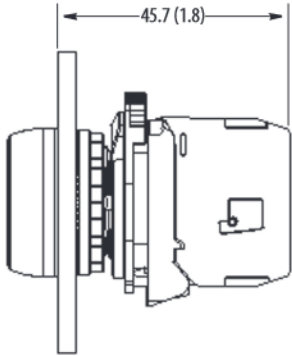
	Description	Voltage	Pkg. Qty.	Cat. No.
 Cat. No. 800F-N3G	Integrated LED Module For use with all illuminated devices. For best results, LED should match lens color. For amber, yellow, and blue operators use white LED. Note: Sold in multiples of 10. Order (quantity of) 10 to receive one package of 10 pieces. Latch not included.	24...120V AC/DC	10	800F-NUx ⁽¹⁾⁽²⁾
		24V AC/DC		800F-N3x ⁽¹⁾
		120V AC		800F-N5x ⁽¹⁾
		240V AC		800F-N7x ⁽¹⁾
		24V AC/DC spring-clamp		800F-Q3x ⁽¹⁾
		120V AC spring-clamp		800F-Q5x ⁽¹⁾
		240V AC spring-clamp		800F-Q7x ⁽¹⁾
		24V AC/DC ring lug		800F-R3x ⁽¹⁾⁽²⁾⁽³⁾
 Cat. No. 800F-BN3R	Base-mounted Integrated LED Module Base-mounted modules can be used in plastic or metal enclosures. For best illumination results, LED should match lens color. Note: Sold in multiples of 10. Order (quantity of) 10 to receive one package of 10 pieces. Latch not included.	24V AC/DC	10	800F-BN3x ⁽¹⁾
		120V AC		800F-BN5x ⁽¹⁾
		240V AC		800F-BN7x ⁽¹⁾

- (1) To complete the cat. no., replace the x with one of the following letters for the desired color: R = Red, G = Green, W = White.
- (2) Cannot be used in a composite catalog number.
- (3) Replacement screws are available (Cat. No. 800F-ARS1)

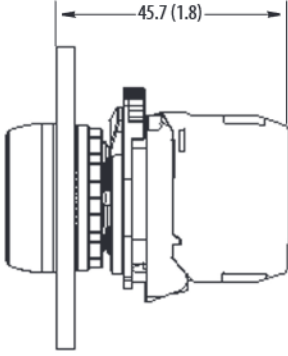
Approximate Dimensions – Back-of-panel Components

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

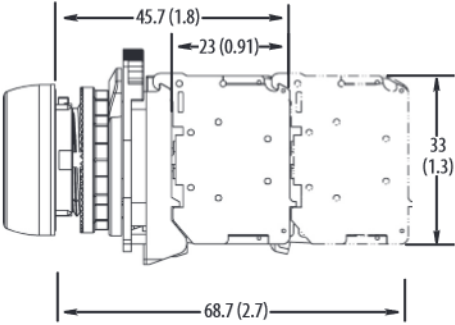
Incandescent Module with Latch



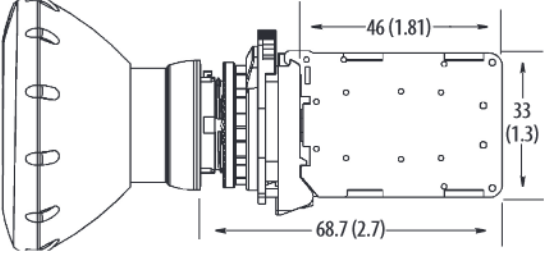
LED Module with Latch



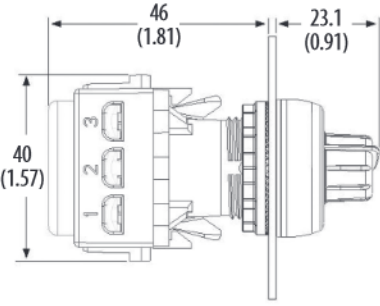
Contact Cartridges with Latch



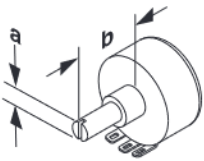
Dual-circuit Contact Block or Self-monitoring Contact Block (1 Deep, Max)



Potentiometer with Resistive Element



Customer Supplied Resistive Element



	Max.		Min.
a (Dia.)	6.4 (0.252)	5.9 (0.232)	5.7 (0.224)
b (Length)	24 (0.945)	32 (1.26)	14 (0.551)