Back-of-Panel Components, Continued

Other

Other			Die	
	Descripti	on	Pkg. Quantity	Cat. No.
	Metal Mounting Latch These are zinc-plated, metal die cast mounting latches. Note: Sold only in multiples of 10. Order (quantity of) 10 to receive one package of 10 pieces.			800F-ALM
Cat. No. 800F-ALM	Note: Sold only in multiples of 100. Order package of 100 pieces.	(quantity of) 100 to receive one	100	800F-ALM-BP
	Plastic Mounting Latch Note: Sold only in multiples of 10. Order (quantity of) 10 to receive one package of 10 pieces.		10	800F-ALP
Cat. No. 800F-ALP	Note: Sold only in multiples of 100. Order package of 100 pieces.	Note: Sold only in multiples of 100. Order (quantity of) 100 to receive one package of 100 pieces.		800F-ALP-BP
	Description	Contact Type	Pkg. Quantity	Cat. No.
		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
		N.O.E.M.		800F-X10E
		N.O.E.E.M.		> 800F-X10M
		N.C.L.B.		800F-X01L
		N.C.E.B.		* 800F-X01B
C Barrell B		Self-Monitoring		* 800F-X01S
X OF X	Ocatort Block	Dual circuit of 2 N.O.		800F-X20D
	Contact Block Note: Sold only in multiples of 10. Order	Dual circuit of 2 N.C.		
10 C	(quantity of) 10 to receive one package of	Dual circuit of 1 N.O1 N.C.		
18	10 pieces. Latch not included.	N.O. with stab terminals		800F-X10T
		N.C. with stab terminals		800F-X01T
		N.O. spring-clamp		800F-Q10
		N.C. spring-clamp		800F-Q01
		N.O. spring-clamp low-voltage — QuadConnect™		800F-Q10V
		N.C. spring-clamp low-voltage — QuadConnect™		800F-Q01V
		N.O.E.M. spring-clamp	_	800F-Q10E
		N.C.L.B. spring clamp		800F-Q01L
		N.C.E.B. spring-clamp		* 800F-Q01B
		Ring lug N.O.		‡§ 800F-R10
		Ring lug N.C.		‡§ 800F-R01
	Note: Sold only in multiples of 100. Order	N.O.		800F-X10-BP
Cat. No. 800F-X10	(quantity of) 100 to receive one package of 100 pieces. Latch not included.	N.C.	100	800F-X01-BP

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

Overview, Continued

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

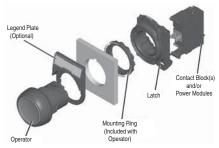
- Rugged snap-fit design for plastic or metal latch
- Stackable contact blocks
- Rotating collar for easy one-hand latch removal
- Color-coded contact block plungers for contact identification





Metal Latch with Contact Block

Assembly Overview



Specifications*

Front-of-Panel (Operators)

		Mechanical Ratings		
Description		Plastic (Bulletin 800FP)	Metal (Bulletin 800FM)	
Vibration (assembled to panel)		Tested at 102000 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		5095% RH from 2560 °C (77140 °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	✓	



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

Spring-clamp

- Low voltage contacts are recommended for applications below 17V, 5 mA.
- ‡ Wires less than #18 AWG (0.75 mm²) may not hold in terminal securely.



Silver-plated brass

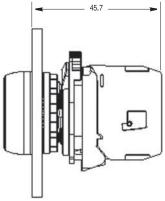
10

22.5 mm Push Buttons

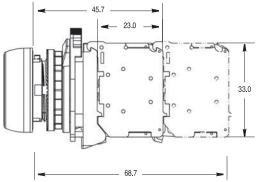
Approximate Dimensions

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

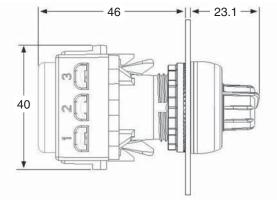
Back-of-Panel Components — Incandescent Module with Latch



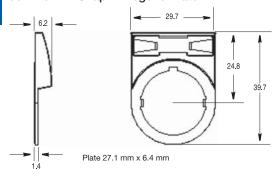
Back-of-Panel Components — Contact Cartridges with Latch



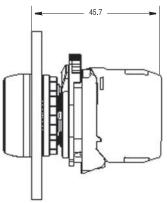
Potentiometer with Resistive Element



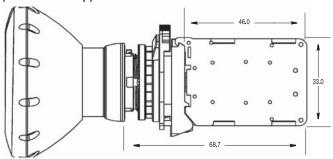
30 x 40 mm Snap-In Legend Plate



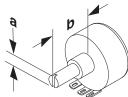
Back-of-Panel Components — LED Module with Latch



Back-of-Panel Components — Dual Circuit Contact Block or Self Monitoring Contact Block (Max. of 1 Deep)



Customer Supplied Resistive Element



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

Dimensions in millimeters (inches).

30 x 50 mm Snap-In Legend Plate

