

# 22.5 mm Push Buttons

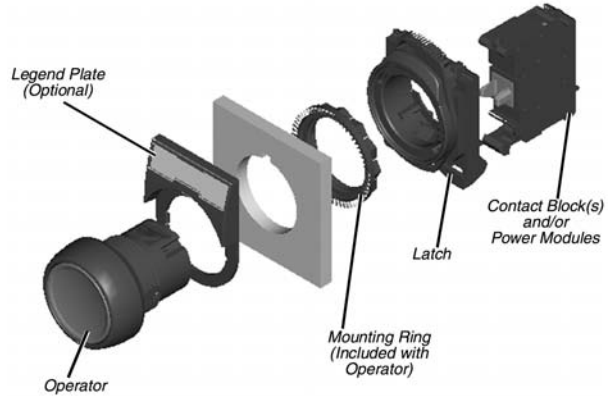
## Overview, Continued/Specifications

### Overview, Continued

#### 3-Across x 2-Deep Back-of-Panel (6 Circuits Maximum)

- 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

#### Assembly Overview



### 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<br>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-2 of the Industrial Controls catalog (A115-CA001A-EN-P).

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

‡ 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  |
| Conformity to Standards — CE marked | NEMA ICS-5; UL 508, EN 418, EN 60947-1, EN 60947-5-1, EN 60947-5-4, EN 60947-5-5 |
| Terminal Identification             | IEC 60947-1  |
| Shipping Approvals                  | ABS  |
| RoHS                                | ✓  |

| Electrical Ratings                               |                              |   |              |
|--|------------------------------|---|--------------|
| Standard contact block ratings                   |                              | A600, Q600<br>600V AC<br>AC 15, DC 13 to IEC/EN 60947-5-1 and UL 508, 17V, 5 mA min.              |              |
| Low voltage contact block ratings*               |                              | 5V, 1 mA DC min.<br>C300, R150, AC 15, DC 13 to EN 60947-5-1 and UL 508                           |              |
|  | Nominal Voltage              | Range   | Current Draw |
| LED Module Ratings                               | 24V AC                       | 10...29V AC   | 31 mA        |
|  | 24V DC                       | 10...30V DC   | 24 mA        |
|  | 120V AC                      | 70...132V AC  | 25 mA        |
|  | 240V AC                      | 180...264V AC   | 22 mA        |
| Thermal current                                  |                              | 10 A max. enclosed (40°C ambient) to UL508, EN 60947-5-1  |              |
| Insulation voltage (Ui)                          |                              | Screw terminal = 690V, spring-clamp = 300V  |              |
| Wire capacity (screw terminal)‡                  |                              | #18...12 AWG (0.75...2.5 mm <sup>2</sup> )<br>Max. (2) #14 AWG or (1) #12 AWG                     |              |
| Wire capacity (spring-clamp terminal)            |                              | #18...14 AWG (0.75...1.5 mm <sup>2</sup> )  |              |
| Recommended tightening torque on screw terminals |                              | 0.7...0.9 N•m (6...8 lb-in.)  |              |
| Dielectric strength (minimum)                    |                              | 2500V for one minute  |              |
| External short circuit protection                | Standard blocks              | 10 A type gL/gG cartridge fuse to EN 60269-2-1 or gN (Class J to UL 248-8 or Class C to UL 248-4) |              |
|  | Low voltage contact blocks   | 6 A type gL/gG cartridge fuse to EN 60269-2-1 or gN (Class J to UL 248-8 or Class C to UL 248-4)  |              |
| Electrical shock protection                      |                              | Finger-safe conforming to IP2X  |              |
| Mechanical Ratings                               |                              |   |              |
| Vibration (assembled to panel)                   |                              | Tested at 10...2000 Hz, 1.52 mm displacement (peak-to-peak) max./10 G max. 6 hr                   |              |
| Shock  |                              | Tested at 1/2 cycle sine wave for 11 ms and no damage at 100 G max.                               |              |
| Contact durability per EN 60947-5-1 (Annex C)    |                              | 10,000,000 cycles   |              |
| Contact operation                                | N.O.                         | Slow double make and break  |              |
|  | N.C.                         | Slow double make and break —<br>positive opening<br>⊙   |              |
|  | N.O.E.M.                     | Double break / double make, early make  |              |
|  | N.C.L.B.                     | Double break / double make, late break —<br>positive opening<br>⊙                                 |              |
|  | N.C.E.B.                     | Double break / double make, early break —<br>positive opening<br>⊙                                |              |
| Push button travel to change electrical state    | N.C. and N.O.E.M.            | 1.5 mm (0.060 in.)  |              |
|  | N.O. and N.C.L.B.            | 2.5 mm (0.1 in.)  |              |
| Operating forces (typical)                       | Single circuit contact block | 3.4 N   |              |
|  | Dual circuit contact block   | 5...6.5 N   |              |
| Illumination                                     |                              |   |              |
| LED Dominant Wavelength                          | Green                        | 525 nm  |              |
|  | Red                          | 629 nm  |              |
|  | Yellow                       | 590 nm  |              |
|  | Blue                         | 470 nm  |              |
|  | White                        | —   |              |
| LED Luminous Intensity                           | Green                        | 890 mcd   |              |
|  | Red                          | 890 mcd   |              |
|  | Yellow                       | 690 mcd   |              |
|  | Blue                         | 193 mcd   |              |
|  | White                        | 412 mcd   |              |
| Incandescent maximum wattage                     |                              | 2.6 W   |              |
| Materials  |                              |   |              |
| Springs  |                              | Stainless steel and zinc coated music wire  |              |
| Electrical contacts                              | Standard                     | Silver-nickel   |              |
|  | Low voltage                  | Gold-plated over silver   |              |
| Terminals  | Screw                        | Brass   |              |
|  | Spring-clamp                 | Silver-plated brass   |              |

\* Performance Data — see page Important-2 of the Industrial Controls catalog (A115-CA001A-EN-P).

\* Low voltage contacts are recommended for applications below 17V, 5 mA.







‡ Wires less than #18 (0.75 mm<sup>2</sup>) may not hold in terminal securely.

Bulletin 800F  
**22.5 mm Push Buttons**  
 Specifications, Continued

**Material Listing**

| Component                           | For Use with  | Material Used                           |
|-------------------------------------|---|---|
| Panel gasket                        | All operators   | Nitrile, TPE                            |
| Diaphragm seal                      | Illuminated push button, non-illuminated push button  | Automotive industry acceptable silicone |
| K-seal                              | Selector switch, key selector switch, push/twist-to-release E-stop, key E-stop, push/pull mushroom  | Nitrile                                 |
| Diaphragm retainer, return spring I | Illuminated push button, non-illuminated push button, momentary mushroom  | Stainless steel                         |
| Return spring II                    | Reset, selector switch, key selector switch, alternate action, push/twist-to-release E-stop, key E-stop, push/pull mushroom   | Zinc-coated music wire                  |
| Button cap/mushroom head            | Non-illuminated push button, momentary mushroom, reset, push/twist-to-release E-stop, key E-stop, push/pull mushroom, multi-function  | PBT/polycarbonate blend                 |
| 2-color molded button cap           | Non-illuminated push button   | PBT/polycarbonate blend                 |
| Lens                                | Multi-function  | Acetal                                  |
| Lens, knob                          | Illuminated push button, illuminated momentary mushroom, illuminated selector switch  | Polyamide                               |
| Knob                                | Non-illuminated selector switch   | Glass-filled polyamide                  |
| Plastic bezel/bushing I             | Non-illuminated push button, illuminated push button, momentary mushroom, selector switch, key selector switch, push/twist-to-release E-stop, key E-stop, push/pull mushroom, multi-function, reset | Glass-filled polyamide                  |
| Plastic bezel/bushing II, jam nut   | Pilot light, reset jam nut, reset pushers   | Glass-filled PBT                        |
| Metal bezel/bushing                 | All metal operators   | Zinc                                    |
| Diffuser                            | Illuminated push button, pilot light  | Polycarbonate                           |
| Legend frames                       | —   | Glass-filled polyamide                  |
| Plastic mounting ring               | All plastic operators   | Glass-filled polyamide                  |
| Metal mounting ring                 | All metal operators   | Chromated zinc                          |
| Plastic latch                       | —   | Glass-filled polyamide                  |
| Metal latch                         | —   | Chromated zinc + stainless steel        |
| Plastic enclosure                   | —   | PBT/polycarbonate blend                 |
| Metal enclosure                     | —   | Aluminum                                |
| Terminal screws                     | LED module, incandescent module, contact blocks   | Zinc-plated steel with chromate         |
| Terminals                           | LED module, incandescent module, contact blocks   | Brass with silver-nickel contacts       |
| Spring clamps                       | LED module, incandescent module, contact blocks   | Stainless steel                         |
| Lamp socket                         | Incandescent module   | Brass                                   |
| Housing                             | Incandescent module, LED module   | Glass-filled polyamide                  |
| Low-voltage terminals               | Contact blocks  | Gold-plated silver-nickel contacts      |
| Low-voltage spanner                 | Contact blocks  | Gold-plated silver-nickel contacts      |
| Spanner                             | Contact blocks  | Brass with silver-nickel contacts       |
| Boot                                | Toggle Switch, illuminated push button, non-illuminated push button, multi-function illuminated and non-illuminated   | Automotive industry acceptable silicone |

Components




| Operator Style   | Description  | Color  | Construction | Cat. No.           | Pkg. Quantity |                 |                      |          |    |
|--|--|--------|--------------|--------------------|---------------|-----------------|----------------------|----------|----|
| <br>Flush Operator, Cat. No. 800FP-F3                                       | Non-Illuminated, Flush Push Button   | Black  | Plastic      | 800FP-F2           | 1             |                 |                      |          |    |
|  | Non-Illuminated, Flush Push Button   | Green  |              | 800FP-F3           |               |                 |                      |          |    |
|  | Non-Illuminated, Extended Push Button  | Red    |              | 800FP-E4           |               |                 |                      |          |    |
|  | Non-Illuminated, Flush Push Button   | Black  | Metal        | 800FM-F2           |               |                 |                      |          |    |
|  | Non-Illuminated, Flush Push Button   | Green  |              | 800FM-F3           |               |                 |                      |          |    |
|  | Non-Illuminated, Extended Push Button  | Red    |              | 800FM-E4           |               |                 |                      |          |    |
| <br>Flush Operator, Cat. No. 800FM-LF4                                      | Illuminated, Flush Push Button   | Green  | Plastic      | 800FP-LF3          | 1             |                 |                      |          |    |
|  | Illuminated, Extended Push Button  | Red    |              | 800FP-LE4          |               |                 |                      |          |    |
|  | Illuminated, Flush Push Button   | Yellow |              | 800FP-LF5          |               |                 |                      |          |    |
|  | Illuminated, Flush Push Button   | Green  | Metal        | 800FM-LF3          |               |                 |                      |          |    |
|  | Illuminated, Extended Push Button  | Red    |              | 800FM-LE4          |               |                 |                      |          |    |
|  | Illuminated, Flush Push Button   | Yellow |              | 800FM-LF5          |               |                 |                      |          |    |
| <br>Diffused Pilot Light, Cat. No. 800FP-P7                                 | Diffused Pilot Light   | Green  | Plastic      | 800FP-P3           | 1             |                 |                      |          |    |
|  |  | Red    |              | 800FP-P4           |               |                 |                      |          |    |
|  |  | Yellow |              | 800FP-P5           |               |                 |                      |          |    |
|  |  | Green  | Metal        | 800FM-P3           |               |                 |                      |          |    |
|  |  | Red    |              | 800FM-P4           |               |                 |                      |          |    |
|  |  | Yellow |              | 800FM-P5           |               |                 |                      |          |    |
| <br>Selector Switch, Cat. No. 800FP-SM32                                   | Non-Illuminated, 2-Position, Maintained Selector Switch  | Black  | Plastic      | 800FP-SM22         | 1             |                 |                      |          |    |
|  | Non-Illuminated, 3-Position, Maintained Selector Switch  |        |              | 800FP-SM32         |               |                 |                      |          |    |
|  | Non-Illuminated, 3-Position, Spring Return from Both Positions Selector Switch   |        |              | 800FP-SB32         |               |                 |                      |          |    |
|  | Non-Illuminated, 2-Position, Maintained Selector Switch  |        | Metal        | 800FM-SM22         |               |                 |                      |          |    |
|  | Non-Illuminated, 3-Position, Maintained Selector Switch  |        |              | 800FM-SM32         |               |                 |                      |          |    |
|  | Non-Illuminated, 3-Position, Spring Return from Both Positions Selector Switch   |        |              | 800FM-SB32         |               |                 |                      |          |    |
| <br>40 mm Trigger Action Twist-to-Release Mushroom<br>Cat. No. 800FP-MT44 | Non-Illuminated, 40 mm Twist-to-Release Maintained Mushroom  | Red    | Plastic      | 800FP-MT44         | 1             |                 |                      |          |    |
|  | Non-Illuminated, 40 mm Push-Pull Maintained Mushroom   |        |              | 800FP-MP44         |               |                 |                      |          |    |
|  | Non-Illuminated, 40 mm Twist-to-Release Maintained Mushroom  |        | Metal        | 800FM-MT44         |               |                 |                      |          |    |
|  | Non-Illuminated, 40 mm Push-Pull Maintained Mushroom   |        |              | 800FM-MP44         |               |                 |                      |          |    |
|  | <b>Back of Panel</b>   |        |              | <b>Description</b> |               | <b>Cat. No.</b> | <b>Pkg. Quantity</b> |          |    |
|  | <br>Power Module with Latch<br>Cat. No. 800F-MN3G |        |              | Metal Latch        |               |                 |                      | 800F-ALM | 10 |
| Plastic Latch  |  |        |              | 800F-ALP           |               |                 |                      |          |    |
| Normally Open Contact Block  |  |        |              | 800F-X10           |               |                 |                      |          |    |
| Normally Closed Contact Block  |  |        |              | 800F-X01           | 1             |                 |                      |          |    |
| Integrated LED Module with Plastic Latch — Red LED   |  |        |              | 800F-PNxR*         |               |                 |                      |          |    |
| Integrated LED Module with Plastic Latch — Green LED   |  |        |              | 800F-PNxG*         |               |                 |                      |          |    |
| Integrated LED Module with Plastic Latch — Yellow LED  |  |        |              | 800F-PNxY*         |               |                 |                      |          |    |
| Integrated LED Module with Metal Latch — Red LED   |  |        |              | 800F-MNxR*         |               |                 |                      |          |    |
| Integrated LED Module with Metal Latch — Green LED   |  |        |              | 800F-MNxG*         |               |                 |                      |          |    |
| Integrated LED Module with Metal Latch — Yellow LED  |  |        | 800F-MNxY*   |                    |               |                 |                      |          |    |

\* To complete the cat. no., replace the x with one of the following voltage codes: 3 = 24V, 5 = 120V, 7 = 240V.


Bulletin 800F  
**22.5 mm Push Buttons**  
 Quick Selection, Continued

Complete Units\*

Non-Illuminated Push Buttons, Momentary (Screw Terminal Connections)

|  | Description                       | Type of Contact |      | Color               | Construction                     | Cat. No.         | Pkg. Quantity |
|--|-----------------------------------|-----------------|------|---------------------|----------------------------------|------------------|---------------|
|  |                                   | N.O.            | N.C. |                     |                                  |                  |               |
| <br>Flush Operator, Cat. No. 800FP-F3PX10 | Flush                             | 1               | —    | Green               | Plastic Operator / Plastic Latch | 800FP-F3PX10     | 1             |
|  |                                   |                 |      | Black               |                                  | 800FP-F2PX10     |               |
|  |                                   |                 |      | Green               | Metal Operator / Metal Latch     | 800FM-F3MX10     |               |
|  |                                   |                 |      | Black               |                                  | 800FM-F2MX10     |               |
| <br>Cat. No. 800FM-E4MX01                 | Extended                          | —               | 1    | Red                 | Plastic Operator / Plastic Latch | 800FP-E4PX01     | 1             |
|  |                                   |                 |      |                     | Metal Operator / Metal Latch     | 800FM-E4MX01     |               |
| <br>Cat. No. 800FP-U2E4F3PX10            | Multi-Function (Flush / Extended) | 1               | 1    | Green/Red           | Plastic Operator / Plastic Latch | 800FP-U2E4F3PX11 | 1             |
|  |                                   |                 |      |                     | Metal Operator / Metal Latch     | 800FM-U2E4F3MX11 |               |
|  |                                   |                 |      | Green "1" / Red "0" | Plastic Operator / Plastic Latch | 800FP-U2EFFEPX11 |               |
|  |                                   |                 |      |                     | Metal Operator / Metal Latch     | 800FM-U2EFFEMX11 |               |

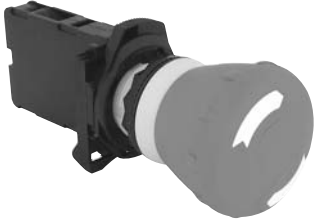
Non-Illuminated Selector Switches (Screw Terminal Connections)

|  | Description           | Type of Contact |      | Style                 | Construction                     | Cat. No.       | Pkg. Quantity |
|--|-----------------------|-----------------|------|-----------------------|----------------------------------|----------------|---------------|
|  |                       | N.O.            | N.C. |                       |                                  |                |               |
| <br>Cat. No. 800FP-SM22PX10 | Standard Lever, Black | 1               | —    | 2-position maintained | Plastic Operator / Plastic Latch | 800FP-SM22PX10 | 1             |
|  |                       | 1               | 1    | 2-position maintained | Plastic Operator / Plastic Latch | 800FP-SM22PX11 |               |
|  |                       | 1               | —    | 2-position maintained | Metal Operator / Metal Latch     | 800FM-SM22MX10 |               |
|  |                       | 1               | 1    | 2-position maintained | Metal Operator / Metal Latch     | 800FM-SM22MX11 |               |
|  |                       | 2               | —    | 3-position maintained | Plastic Operator / Plastic Latch | 800FP-SM32PX20 |               |
|  |                       | 2               | —    | 3-position maintained | Metal Operator / Metal Latch     | 800FM-SM32MX20 |               |

\* For complete units not listed and configuration assistance, see RAISE product selection software (<http://www.ab.com/raise>).


Complete Units, Continued\*

Non-Illuminated Emergency Stop Operators, Ø 40 mm, Red (Screw Terminal Connections)

|   | Description      | Type of Contact* |      | Construction                     | Cat. No.        | Pkg. Quantity |
|---|------------------|------------------|------|----------------------------------|-----------------|---------------|
|   |                  | N.O.             | N.C. |                                  |                 |               |
| <br>Cat. No. 800FP-MT44PX01S | Twist-to-Release | —                | 1    | Plastic Operator / Plastic Latch | 800FP-MT44PX01S | 1             |
|   |                  | —                | 1    | Metal Operator / Metal Latch     | 800FM-MT44MX01S |               |
|   |                  | 1                | 1    | Plastic Operator / Plastic Latch | 800FP-MT44PX11S |               |
|   |                  | 1                | 1    | Metal Operator / Metal Latch     | 800FM-MT44MX11S |               |

\* Self-monitoring contact block included when N.C. is specified.

Pilot Lights with Integrated LED Modules (Screw Terminal Connections)

|   | Voltage   | Style  | Construction                     | Cat. No.     | Pkg. Quantity |
|---|-----------|--------|----------------------------------|--------------|---------------|
| <br>Cat. No. 800FP-P7PN3W | 24V AC/DC | Green  | Plastic Operator / Plastic Latch | 800FP-P3PN3G | 1             |
|   |           | Red    |                                  | 800FP-P4PN3R |               |
|   |           | Yellow |                                  | 800FP-P5PN3Y |               |
|   |           | Blue   |                                  | 800FP-P6PN3B |               |
|   |           | White  |                                  | 800FP-P7PN3W |               |
|   | 120V AC   | Green  |                                  | 800FP-P3PN5G |               |
|   |           | Red    |                                  | 800FP-P4PN5R |               |
|   |           | Yellow |                                  | 800FP-P5PN5Y |               |
|   |           | Blue   |                                  | 800FP-P6PN5B |               |
|   |           | White  |                                  | 800FP-P7PN5W |               |
|   | 240V AC   | Green  |                                  | 800FP-P3PN7G |               |
|   |           | Red    |                                  | 800FP-P4PN7R |               |
|   |           | Yellow |                                  | 800FP-P5PN7Y |               |
|   |           | Blue   |                                  | 800FP-P6PN7B |               |
|   |           | White  |                                  | 800FP-P7PN7W |               |

\* For complete units not listed and configuration assistance, see RAISE product selection software (<http://www.ab.com/raise>).

Bulletin 800F  
**22.5 mm Push Buttons**  
 Product Selection

Momentary Push Button Operators, Non-Illuminated — Flush, Extended, Guarded



Flush Operator  
 Cat. No. 800FP-F3



Extended Operator  
 Cat. No. 800FM-E4



Guarded Operator  
 Cat. No. 800FP-G6

| Color | Flush    |          | Extended |          | Pkg. Quantity |
|-------|----------|----------|----------|----------|---------------|
|       | Plastic  | Metal    | Plastic  | Metal    |               |
|       | Cat. No. | Cat. No. | Cat. No. | Cat. No. |               |
| Black | 800FP-F2 | 800FM-F2 | 800FP-E2 | 800FM-E2 | 1             |
| Green | 800FP-F3 | 800FM-F3 | 800FP-E3 | 800FM-E3 |               |
| Red   | 800FP-F4 | 800FM-F4 | 800FP-E4 | 800FM-E4 |               |

800F **P** - **F** **3** -       
           *a*    *b*    *c*    *d*

*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 |
| F             | Flush       |
| E             | Extended    |
| G             | Guarded     |

*c*

| Color Cap |                  |
|-----------|------------------|
| Code      | Color            |
| 0         | Orange           |
| 1         | White            |
| 2         | Black            |
| 3         | Green            |
| 4         | Red              |
| 5         | Yellow           |
| 6         | Blue             |
| 8         | Gray*            |
| 9         | No cap           |
| X         | Assortment pack* |

*d*

| Packaging |                |
|-----------|----------------|
| Code      | Description    |
| Blank     | 1 per package  |
| BP        | 10 per package |

\* Available in flush only.

\* Assortment pack contains one cap of each color, not available in BP packaging.

Momentary Push Button Operators, Non-Illuminated — with Two-Color Molded Legend Caps



Flush Operator  
 Cat. No. 800FP-F301

| Button Color | Text Color | Legend Text | Flush      |            | Extended   |            | Pkg. Quantity |
|--------------|------------|-------------|------------|------------|------------|------------|---------------|
|              |            |             | Plastic    | Metal      | Plastic    | Metal      |               |
|              |            |             | Cat. No.   | Cat. No.   | Cat. No.   | Cat. No.   |               |
| Green        | White      | START       | 800FP-F301 | 800FM-F301 | -          | -          | 1             |
|              |            | I           | 800FP-F306 | 800FM-F306 | -          | -          |               |
| Red          | White      | STOP        | 800FP-F402 | 800FM-F402 | 800FP-E402 | 800FM-E402 |               |
|              |            | O           | -          | -          | 800FP-E405 | 800FM-E405 |               |
| Black        | White      | →           | 800FP-F208 | 800FM-F208 | 800FP-E208 | 800FM-E208 |               |

800F **P** - **F** **3** **01** -       
                   a      b      c      d      e

**a**

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

**c**

| Color Cap |        |
|-----------|--------|
| Code      | Color  |
| 0         | Orange |
| 1         | White  |
| 2         | Black  |
| 3         | Green  |
| 4         | Red    |
| 5         | Yellow |
| 6         | Blue   |

**d**

| Legend Text**‡§ |          |
|-----------------|----------|
| Code            | Text     |
| 01              | START    |
| 02              | STOP     |
| 05              | O        |
| 06              | I        |
| 08              | →        |
| 09              | Forward* |
| 10              | Reverse* |
| 11              | R        |

**b**

| Operator Type |             |
|---------------|-------------|
| Code          | Description |
| F             | Flush       |
| E             | Extended    |
| G             | Guarded     |

**e**

| Packaging |                |
|-----------|----------------|
| Code      | Description    |
| Blank     | 1 per package  |
| BP        | 10 per package |

\* For custom laser-engraved legend cap, order "no cap" option on page 18 plus custom laser-engraved cap on page 60.  
 \*\* White and yellow caps have black text. All other color caps have white text.  
 ‡ Valid color cap/legend text codes include:

| Color  | Text                             |               |
|--------|----------------------------------|---------------|
|        | Flush Caps                       | Extended Caps |
| White  | FORWARD, REVERSE, START, I, →, R | →, R          |
| Black  | FORWARD, REVERSE, →, R           | STOP, O, →, R |
| Green  | FORWARD, REVERSE, START, I, →    | →             |
| Red    | FORWARD, REVERSE, STOP, O, →     | STOP, O, →    |
| Yellow | FORWARD, REVERSE, →              | →             |
| Blue   | FORWARD, REVERSE, →, R           | →, R          |

§ Legend button cap supplied loose for customer installation.  
 \* Available for flush only.



Bulletin 800F  
**22.5 mm Push Buttons**  
 Product Selection, Continued

Momentary Push Button Operators, Illuminated — Flush, Extended, Guarded



Flush Operator  
 Cat. No. 800FM-LF4



Extended Operator  
 Cat. No. 800FP-LE3



Guarded Operator  
 Cat. No. 800FP-LG3

| Color  | Flush     |           | Extended  |           | Pkg. Quantity |
|--------|-----------|-----------|-----------|-----------|---------------|
|        | Plastic   | Metal     | Plastic   | Metal     |               |
|        | Cat. No.  | Cat. No.  | Cat. No.  | Cat. No.  |               |
| Green  | 800FP-LF3 | 800FM-LF3 | 800FP-LE3 | 800FM-LE3 | 1             |
| Red    | 800FP-LF4 | 800FM-LF4 | 800FP-LE4 | 800FM-LE4 |               |
| Yellow | 800FP-LF5 | 800FM-LF5 | 800FP-LE5 | 800FM-LE5 |               |
| Clear  | 800FP-LF7 | 800FM-LF7 | 800FP-LE7 | 800FM-LE7 |               |

800F **P** - **LE** **3** -   
           *a*        *b*        *c*        *d*

*a*

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

*c*

| Color Cap * |         |
|-------------|---------|
| Code        | Color   |
| 0           | Amber   |
| 3           | Green   |
| 4           | Red     |
| 5           | Yellow  |
| 6           | Blue    |
| 7           | Clear   |
| 9           | No lens |

*d*

| Packaging |                |
|-----------|----------------|
| Code      | Description    |
| Blank     | 1 per package  |
| BP        | 10 per package |

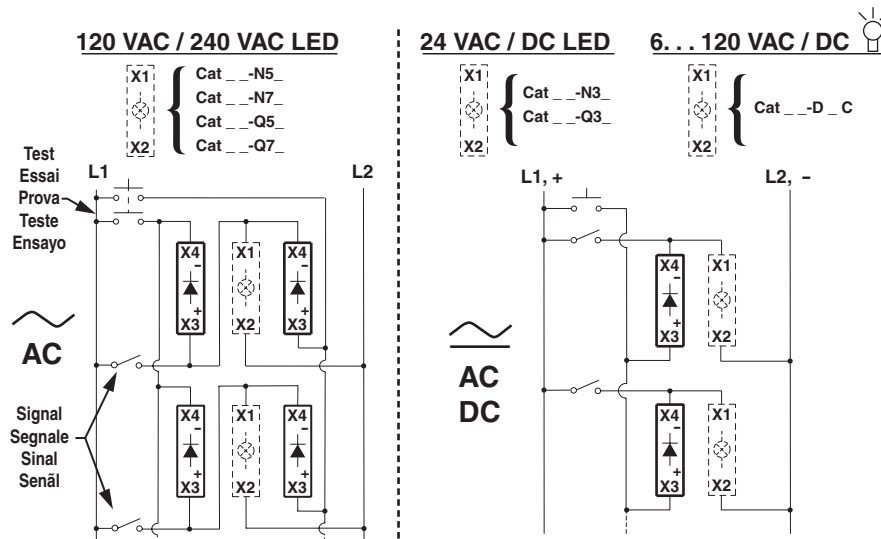
*b*

| Operator Type |             |
|---------------|-------------|
| Code          | Description |
| LF            | Flush       |
| LE            | Extended    |
| LG            | Guarded     |

\* For custom laser-engraved operator, order operator with applicable lens cap color plus custom laser-engraved diffuser page 60.

Push-to-Test Push Button Device Schematic

Illuminated push buttons may be wired as a push-to-test device by using the following schematic.



Alternate Action Operators — Non-Illuminated



800F **M** - **FA** **3**  
*a* *b* *c*

*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                              |
| FA             | Non-illuminated, Flush, Alternate Action |

*c*

| Color Cap* |                 |
|------------|-----------------|
| Code       | Color           |
| 0          | Orange          |
| 1          | White           |
| 2          | Black           |
| 3          | Green           |
| 4          | Red             |
| 5          | Yellow          |
| 6          | Blue            |
| 9          | No cap          |
| X          | Assortment pack |

\* Must use N.O.E.M. or N.C. Contacts.  
 \* For custom laser-engraved legend cap, order "no cap" option plus custom laser-engraved cap on page 60.

Alternate Action Operators — Illuminated



800F **P** - **LFA** **3**  
*a* *b* *c*

*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                          |
| LFA             | Illuminated, Flush, Alternate Action |

*c*

| Color Cap> |         |
|------------|---------|
| Code       | Color   |
| 0          | Amber   |
| 3          | Green   |
| 4          | Red     |
| 5          | Yellow  |
| 6          | Blue    |
| 7          | Clear   |
| 9          | No lens |

§ Must use N.O.E.M. or N.C. Contacts.  
 \* LED module required for illumination, can not use incandescent module.  
 > For custom laser-engraved operator, order operator with applicable lens cap color plus custom laser-engraved diffuser on page 60.

Bulletin 800F  
**22.5 mm Push Buttons**  
 Product Selection, Continued

Pilot Light Operators\*



Plastic Pilot Light  
 Cat. No. 800FP-P7



Metal Pilot Light  
 Cat. No. 800FM-P4

| Color  | Plastic  | Metal    | Pkg. Quantity |
|--------|----------|----------|---------------|
|        | Cat. No. | Cat. No. |               |
| Green  | 800FP-P3 | 800FM-P3 | 1             |
| Red    | 800FP-P4 | 800FM-P4 |               |
| Yellow | 800FP-P5 | 800FM-P5 |               |

800F **P** - **P** **3** -       
           *a*    *b*    *c*    *d*

*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 |
| P             | Diffuser    |

*c*

| Color Cap* |         |
|------------|---------|
| Code       | Color   |
| 0          | Amber   |
| 3          | Green   |
| 4          | Red     |
| 5          | Yellow  |
| 6          | Blue    |
| 7          | Clear   |
| 9          | No lens |

*d*

| Packaging |                |
|-----------|----------------|
| Code      | Description    |
| Blank     | 1 per package  |
| BP        | 10 per package |

\* For custom laser-engraved pilot light, order pilot light with applicable lens cap color plus custom laser-engraved diffuser on page 60.

2-Position Selector Switch Operators, Non-Illuminated



Standard Knob  
 Cat. No. 800FP-SM22



Knob Lever  
 Cat. No. 800FP-HM22

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 Rockwell Automation distributor for other options.

| Color                   | Operator Type |  | Standard Knob       |                   | Pkg. Quantity |
|-------------------------|---------------|--|---------------------|-------------------|---------------|
|                         |               |  | Plastic<br>Cat. No. | Metal<br>Cat. No. |               |
| Black with White Insert | ∨             |  | 800FP-SM22          | 800FM-SM22        | 1             |

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

800F **P** - **S** **M2** **2** - -  
 a b c d e f

**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   |
| S             | Standard knob |
| H             | Knob lever*   |

**c**

| Operator Function |  |
|-------------------|--|
| Code              | Type   |
| M2                | Maintained (60° switching angle)<br>               |
| L2                | Spring return from left (60° switching angle)<br>  |
| R2                | Spring return from right (60° switching angle)<br> |

**e**

| Orientation |             |
|-------------|-------------|
| Code        | Description |
| Blank       | Standard    |
| N           | 90° offset† |

**f**

| Packaging |                |
|-----------|----------------|
| Code      | Description    |
| Blank     | 1 per package  |
| BP        | 10 per package |

**d**

| Knob/Insert Color |            |              |
|-------------------|------------|--------------|
| Code              | Knob Color | Insert Color |
| 2                 | Black      | White        |

\* 30 mm hole spacing will not work if knob lever is used. See page 64 for recommended operator panel spacing.  
 † For use in vertical mount 800F enclosures.

Bulletin 800F  
**22.5 mm Push Buttons**  
 Product Selection, Continued

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 Rockwell Automation distributor for other options.

| Color  | Operator Type |   | Standard Knob       |                   | Pkg. Quantity |
|--------|---------------|---|---------------------|-------------------|---------------|
|        |               |   | Plastic<br>Cat. No. | Metal<br>Cat. No. |               |
| Green  | ✓             | ✓ | 800FP-LSM23         | 800FM-LSM23       | 1             |
| 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** **P** - **LS** **M2** **3** - - -  
*a* *b* *c* *d* *e* *f*

**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)<br>               |
| L2                | Spring return from left (60° switching angle)<br>  |
| R2                | Spring return from right (60° switching angle)<br> |

**e**

| Orientation |             |
|-------------|-------------|
| Code        | Description |
| Blank       | Standard    |
| N           | 90° offset‡ |

**f**

| Packaging |                |
|-----------|----------------|
| Code      | Description    |
| Blank     | 1 per package  |
| BP        | 10 per package |

**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        |

※ 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 distributor.  
 ♣ Only available in clear.

**3-Position Selector Switch Operators, Non-Illuminated**

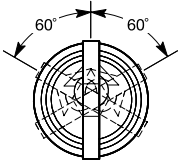


Standard Knob  
 Cat. No. 800FP-SM32



Knob Lever  
 Cat. No. 800FM-HM32

**Switching Angle**



| Target Table and Operator Position (60° Switching Angle) |                            |   |   |   |
|--|----------------------------|---|---|---|
| Contact Type*  | Position on Mounting Latch |   |   |   |
| N.O.   | Left                       | X | O | O |
|  | Right                      | O | O | X |
|  | Center                     | X | O | X |
|  | Center CL‡                 | X | O | O |
|  | Center CR‡                 | O | O | X |
| N.C.   | Left                       | O | X | X |
|  | Right                      | X | X | O |
|  | Center                     | O | X | O |
|  | Center CL‡                 | O | X | X |
|  | Center CR‡                 | X | X | O |

**Note:** X = Closed/O = Open  
 \* Contact selection is limited to the following options, consult your Rockwell Automation distributor for other options.

| Color                   | Operator Type | Standard Knob       |                   | Knob Lever          |                   | Pkg. Quantity |
|-------------------------|---------------|---------------------|-------------------|---------------------|-------------------|---------------|
|                         |               | Plastic<br>Cat. No. | Metal<br>Cat. No. | Plastic<br>Cat. No. | Metal<br>Cat. No. |               |
| Black with White Insert |               | 800FP-SM32          | 800FM-SM32        | 800FP-HM32          | 800FM-HM32        | 1             |
|                         |               | 800FP-SB32          | 800FM-SB32        | 800FP-HB32          | 800FM-HB32        |               |

**800F** **P** - **S** **M3** **2** - - -  
 a b c d e f g

**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   |
| S             | Standard knob |
| H             | Knob lever*   |

**c**

| Operator Function |                                       |
|-------------------|---------------------------------------|
| Code              | Type                                  |
| M3                | Maintained<br>                        |
| L3                | Spring return from left<br>           |
| R3                | Spring return from right<br>          |
| B3                | Spring return from left and right<br> |

**d**

| Knob/Insert Color |            |              |
|-------------------|------------|--------------|
| Code              | Knob Color | Insert Color |
| 2                 | Black      | White        |

**e**

| Orientation |             |
|-------------|-------------|
| Code        | Description |
| Blank       | Standard    |
| N           | 90° offset* |

**f**

| Operation |               |
|-----------|---------------|
| Code      | Description   |
| Blank     | Standard      |
| CL        | Center Left‡  |
| CR        | Center Right‡ |

**g**

| Packaging |                |
|-----------|----------------|
| Code      | Description    |
| Blank     | 1 per package  |
| BP        | 10 per package |

\* 30 mm hole spacing will not work if knob lever is used. See page 64 for recommended operator panel spacing.  
 \* For use in vertical mount enclosures.  
 ‡ The center contact block can have the same target output as the left or right contact block, by specifying CenterLeft (CL) or CenterRight (CR) option.

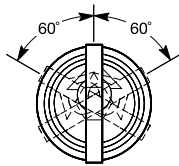
Bulletin 800F  
**22.5 mm Push Buttons**  
 Product Selection, Continued

3-Position Selector Switch Operators, Illuminated



Standard Knob‡  
 Cat. No. 800FP-LSM37

Switching Angle



| Target Table and Operator Position (60° Switching Angle) |                            |   |   |   |
|--|----------------------------|---|---|---|
| Contact Type*  | Position on Mounting Latch |   |   |   |
| N.O.   | Left                       | X | O | O |
|  | Right                      | O | O | X |
| N.C.   | Left                       | O | X | X |
|  | Right                      | X | X | O |

Note: X = Closed/O = Open

\*Contact selection is limited to the following options, consult your Rockwell Automation distributor for other options.

| Operator Type | Green               |                   | Red                 |                   | Yellow              |                   | Pkg. Quantity |
|---------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------|
|               | Plastic<br>Cat. No. | Metal<br>Cat. No. | Plastic<br>Cat. No. | Metal<br>Cat. No. | Plastic<br>Cat. No. | Metal<br>Cat. No. |               |
|               | 800FP-LSM33         | 800FM-LSM33       | 800FP-LSM34         | 800FM-LSM34       | 800FP-LSM35         | 800FM-LSM35       | 1             |
|               | 800FP-LSR33         | 800FM-LSR33       | 800FP-LSR34         | 800FM-LSR34       | 800FP-LSR35         | 800FM-LSR35       |               |
|               | 800FP-LSL33         | 800FM-LSL33       | 800FP-LSL34         | 800FM-LSL34       | 800FP-LSL35         | 800FM-LSL35       |               |
|               | 800FP-LSB33         | 800FM-LSB33       | 800FP-LSB34         | 800FM-LSB34       | 800FP-LSB35         | 800FM-LSB35       |               |

800F **P** - **LS** **M3** **3** - -  
 a b c d e f

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                              |
| M3                | Maintained                        |
| L3                | Spring return from left           |
| R3                | Spring return from right          |
| B3                | Spring return from left and right |

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* |

f

| Packaging |                |
|-----------|----------------|
| Code      | Description    |
| Blank     | 1 per package  |
| BP        | 10 per package |

\* LED module required for illumination, can not use incandescent module.

\* For use in vertical mount 800F enclosures.

‡ Crevices may exist on product that may be unsuitable for certain applications. Please consult your local Rockwell Automation distributor.

§ Only available in clear ("7" from Table d)

4-Position Selector Switch Operators, Non-Illuminated



Standard Knob  
 Cat. No. 800FP-SM42

| Target Table and Operator Position* |                            |   |   |   |   |
|-------------------------------------|----------------------------|---|---|---|---|
| Contact Type§                       | Position on Mounting Latch |   |   |   |   |
| N.O.                                | Left                       | O | O | X | O |
|                                     | Right                      | X | O | O | O |
|                                     | Center                     | X | O | X | O |
|                                     | Center CL                  | O | O | X | O |
|                                     | Center CR                  | X | O | O | O |
| N.C.E.B.                            | Left                       | O | O | O | X |
|                                     | Right                      | O | X | O | O |
|                                     | Center CL                  | O | O | O | X |
|                                     | Center CR                  | O | X | O | O |
| N.C.L.B.                            | Left                       | X | X | O | X |
|                                     | Right                      | O | X | X | X |
|                                     | Center                     | O | X | O | X |
|                                     | Center CL                  | X | X | O | X |
|                                     | Center CR                  | O | X | X | X |

Note: X = Closed/O = Open

§ Contact selection is limited to the following options, consult your Rockwell Automation distributor for other options.

| Color                   | Standard Knob — Maintained |            | Pkg. Quantity |
|-------------------------|----------------------------|------------|---------------|
|                         | Plastic                    | Metal      |               |
|                         | Cat. No.                   | Cat. No.   |               |
| Black with White Insert | 800FP-SM42                 | 800FM-SM42 | 1             |

800F **P** - **S** **M4** **2** - - - - **g**

*a*      *b*      *c*      *d*      *e*      *f*      *g*

**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   |
| S             | Standard knob |
| H             | Knob lever    |

**c**

| Operator Function |                                      |
|-------------------|--------------------------------------|
| Code              | Type                                 |
| M4                | Maintained (45° switching angle)<br> |

**d**

| Knob/Insert Color |            |              |
|-------------------|------------|--------------|
| Code              | Knob Color | Insert Color |
| 2                 | Black      | White        |

**e**

| Orientation |             |
|-------------|-------------|
| Code        | Description |
| Blank       | Standard    |
| N           | 90° offset* |

**f**

| Operation |               |
|-----------|---------------|
| Code      | Description   |
| Blank     | Standard      |
| CL        | Center Left†  |
| CR        | Center Right† |

**g**

| Packaging |                |
|-----------|----------------|
| Code      | Description    |
| Blank     | 1 per package  |
| BP        | 10 per package |

\* Cannot use N.C. or N.O.E.M. contact blocks with 4-position selector switch. Must use N.O., N.C.E.B., or N.C.L.B. contact blocks.  
 † For use in vertical mount enclosures.  
 ‡ The center contact block can have the same target output as the left or right contact block, by specifying CenterLeft (CL) or CenterRight (CR) option.



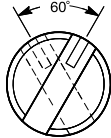
Bulletin 800F  
**22.5 mm Push Buttons**  
 Product Selection, Continued

2-Position Key Operated Selector Switches, Non-Illuminated



Key Selector Switch  
 Cat. No. 800FP-KM21R

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 Rockwell Automation distributor for other options.

| Key Removal Position | Operator Type | Key Selector Switch Operators |                   | Pkg. Quantity |
|----------------------|---------------|-------------------------------|-------------------|---------------|
|                      |               | Plastic<br>Cat. No.           | Metal<br>Cat. No. |               |
| Left                 |               | 800FP-KM21                    | 800FM-KM21        | 1             |
| Both                 |               | 800FP-KM23                    | 800FM-KM23        |               |

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

800F **M** - **KM2** **1** - - -

a                      b                      c                      d                      e

**a**

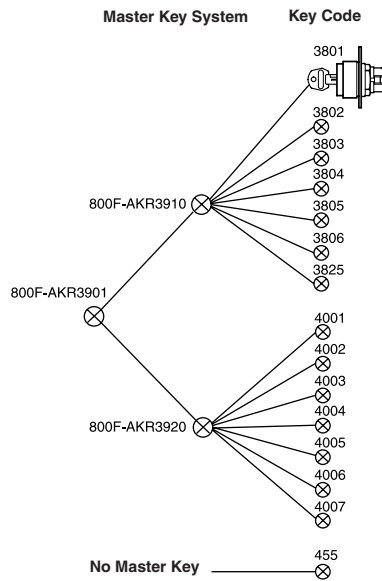
| Operator Construction |  |
|-----------------------|--|
| Code                  | Description                              |
| P                     | Round plastic operator (IP66, Type 4/13) |
| M                     | Round metal operator (IP66, Type 4/13)   |

**b**

| Operator Type |  |
|---------------|--|
| Code          | Type   |
| KM2           | Maintained (60° switching angle)               |
| KL2           | Spring return from left (60° switching angle)  |
| KR2           | Spring return from right (60° switching angle) |

**c**

| Key Removal Position* |          |
|-----------------------|----------|
| Code                  | Position |
| 1                     | Left     |
| 2                     | Right    |
| 3                     | Both     |



**d**

| Ronis Key Lock†‡§ |                 |
|-------------------|-----------------|
| Code              | Key No.         |
| Blank             | 3825 (Standard) |
| R                 | 455             |
| 01R               | 3801            |
| 02R               | 3802            |
| 03R               | 3803            |
| 04R               | 3804            |
| 05R               | 3805            |
| 06R               | 3806            |
| 27R               | 4001            |
| 28R               | 4002            |
| 29R               | 4003            |
| 30R               | 4004            |
| 31R               | 4005            |
| 32R               | 4006            |
| 33R               | 4007            |

**e**

| Packaging |                |
|-----------|----------------|
| Code      | Description    |
| Blank     | 1 per package  |
| BP        | 10 per package |

\* Key removal in maintained positions only.

† Keyed operators are IP66, Type 4/13.

‡ Not intended for high security applications. Interoperability is possible with certain key/cylinder lock combinations. Consult your local Allen-Bradley distributor for interoperability information.

§ For Ronis replacement keys, see Accessories, page 53.

**3-Position Key Operated Selector Switches, Non-Illuminated**

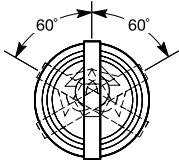


Key Operated Selector Switch  
 Cat. No. 800FP-KM31R



Key Operated Selector Switch  
 Cat. No. 800FM-KM31R

**Switching Angle**



| Target Table and Operator Position |                            |   |   |   |
|------------------------------------|----------------------------|---|---|---|
| Contact Type                       | Position on Mounting Latch |   |   |   |
| N.O.                               | Left                       | X | O | O |
|                                    | Right                      | O | O | X |
|                                    | Center                     | X | O | X |
| N.C.                               | Left                       | O | X | X |
|                                    | Right                      | X | X | O |
|                                    | Center                     | O | X | O |

**Note:** X = Closed/O = Open  
 > Contact selection is limited to the following options, consult your Rockwell Automation distributor for other options.

| Key Removal Position | Operator Position |  |  | Key Selector Switch Operators |                   | Pkg. Quantity |
|----------------------|-------------------|--|--|-------------------------------|-------------------|---------------|
|                      |                   |  |  | Plastic<br>Cat. No.           | Metal<br>Cat. No. |               |
| Left                 |                   |  |  | 800FP-KM31                    | 800FM-KM31        | 1             |
| All                  |                   |  |  | 800FP-KM33                    | 800FM-KM33        |               |
| Center               |                   |  |  | 800FP-KM34                    | 800FM-KM34        |               |
| Center               |                   |  |  | 800FP-KB34                    | 800FM-KB34        |               |

**800F** **M** - **KM3** **3** -

*a*      *b*      *c*      *d*      *e*

**a**

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

**c**

| Key Removal Position* |              |
|-----------------------|--------------|
| Code                  | Type         |
| 1                     | Left         |
| 3                     | All          |
| 4                     | Center       |
| 5                     | Left/Center  |
| 7*                    | Center/Right |

**d** See page 28 for optional key codes\*†§

**b**

| Operator Type |                          |
|---------------|--------------------------|
| Code          | Description              |
| KM3           | Maintained               |
| KR3           | Spring return from right |
| KL3           | Spring return from left  |
| KB3           | Spring return from both  |

**e**

| Packaging |                |
|-----------|----------------|
| Code      | Description    |
| Blank     | 1 per package  |
| BP        | 10 per package |

\* Key removal in maintained positions only.  
 † Keyed operators are IP66, Type 4/13.  
 ‡ Not intended for high security applications. Interoperability is possible with certain key/cylinder lock combinations. Consult your local Allen-Bradley distributor for interoperability information.  
 § For Ronis replacement keys, see Accessories, page 53.  
 \* Key removal position only valid with operator types 800F\_-KM3 and 800F\_-KL3.

Bulletin 800F  
**22.5 mm Push Buttons**  
 Product Selection, Continued

**Emergency Stop Operators\***

**Non-Illuminated Twist-to-Release, Push-Pull**



60 mm Non-Illuminated Twist-to-Release  
 Cat. No. 800FP-MT64



40 mm Non-Illuminated Push-Pull  
 Cat. No. 800FP-MP44

| Color | Size  | Twist-to-Release (Trigger Action) |            | Push-Pull (Trigger Action) |            | Pkg. Quantity |
|-------|-------|-----------------------------------|------------|----------------------------|------------|---------------|
|       |       | Plastic                           | Metal      | Plastic                    | Metal      |               |
|       |       | Cat. No.                          | Cat. No.   | Cat. No.                   | Cat. No.   |               |
| Red   | 30 mm | 800FP-MT34                        | 800FM-MT34 | –                          | –          | 1             |
|       | 40 mm | 800FP-MT44                        | 800FM-MT44 | 800FP-MP44                 | 800FM-MP44 |               |
|       | 60 mm | 800FP-MT64                        | 800FM-MT64 | –                          | –          |               |

**Illuminated — Twist-to-Release, Push-Pull‡**



40 mm Illuminated Twist-to-Release  
 Cat. No. 800FP-LMT44



40 mm Mushroom Push/Pull  
 Cat. No. 800FM-LMP44

| Color | Size  | Twist-to-Release (Trigger Action) |             | Push-Pull (Trigger Action) |             | Pkg. Quantity |
|-------|-------|-----------------------------------|-------------|----------------------------|-------------|---------------|
|       |       | Plastic                           | Metal       | Plastic                    | Metal       |               |
|       |       | Cat. No.                          | Cat. No.    | Cat. No.                   | Cat. No.    |               |
| Red   | 30 mm | –                                 | –           | 800FP-LMP34                | 800FM-LMP34 | 1             |
|       | 40 mm | 800FP-LMT44                       | 800FM-LMT44 | 800FP-LMP44                | 800FM-LMP44 |               |
|       | 60 mm | 800FP-LMT64                       | 800FM-LMT64 | 800FP-LMP64                | 800FM-LMP64 |               |

‡ LED module required for illumination, can not use incandescent module.

**Key Release Mushroom Operator**



40 mm Non-Illuminated Key Release  
 Cat. No. 800FP-MK44

| Color | Size  | Ronis Key Lock (Trigger Action)* |            | Pkg. Quantity |
|-------|-------|----------------------------------|------------|---------------|
|       |       | Plastic                          | Metal      |               |
|       |       | Cat. No.                         | Cat. No.   |               |
| Red   | 40 mm | 800FP-MK44                       | 800FM-MK44 | 1             |

\* All emergency stop operators are EN418 compliant with standard NC, NCLB, or self-monitoring contact blocks.

\* For key options, see page 28.

2-Position Push-Pull Operators, Non-Illuminated — Twist-to-Release (Trigger Action), Push-Pull (Trigger Action)\*



40 mm Trigger Action  
 Twist-to-Release Mushroom  
 Cat. No. 800FP-MT44



40 mm Trigger Action  
 Push-Pull Mushroom  
 Cat. No. 800FP-MP44

| Color | 40 mm Mushroom (Trigger Action) Twist-to-Release |            | 40 mm Mushroom (Trigger Action) Push-Pull |            | Pkg. Quantity |
|-------|--|------------|---|------------|---------------|
|       | Plastic  | Metal      | Plastic                                   | Metal      |               |
|       | Cat. No.   | Cat. No.   | Cat. No.                                  | Cat. No.   |               |
| Red   | 800FP-MT44                                       | 800FM-MT44 | 800FP-MP44                                | 800FM-MP44 | 1             |



*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           |                 |
|-------------------------|-----------------|
| Push, Twist-to-Release* |                 |
| Code                    | Type            |
| MT3                     | 30 mm color cap |
| MT4                     | 40 mm color cap |
| MT6                     | 60 mm color cap |
| Push-Pull               |                 |
| Code                    | Type            |
| MP4                     | 40 mm color cap |

*c*

| Color Cap |        |
|-----------|--------|
| Code      | Color  |
| 2         | Black  |
| 3         | Green  |
| 4         | Red    |
| 5         | Yellow |
| 6         | Blue   |

*d* ‡ § \*

| Engraving |                    |
|-----------|--------------------|
| Code      | Description        |
| Blank     |                    |
| LE        | EMO laser engraved |
| E         | EMO printed        |

*e*

| Packaging |                |
|-----------|----------------|
| Code      | Description    |
| Blank     | 1 per package  |
| BP        | 10 per package |

\* All emergency stop operators are EN418 compliant with standard NC, NCLB, or self-monitoring contact blocks.  
 † Only available with red color cap.  
 ‡ For EMO guards, see page 56.  
 § Only available on 40 mm color cap.  
 \* Only available on red, 40 mm push, twist-to-release operator type (MT44).

Bulletin 800F  
**22.5 mm Push Buttons**  
 Product Selection, Continued

2-Position Push-Pull Operators, Illuminated — Twist-to-Release (Trigger Action), Push-Pull (Trigger Action)\*❖



40 mm Mushroom Trigger Action Twist-to-Release  
 Cat. No. 800FP-LMT44



40 mm Mushroom Push/Pull  
 Cat. No. 800FM-LMP44

| Color | 40 mm Mushroom (Trigger Action) Twist-to-Release |             | 40 mm Mushroom (Trigger Action) Push-Pull |             | Pkg. Quantity |
|-------|--|-------------|---|-------------|---------------|
|       | Plastic  | Metal       | Plastic                                   | Metal       |               |
|       | Cat. No.   | Cat. No.    | Cat. No.                                  | Cat. No.    |               |
| Red   | 800FP-LMT44                                      | 800FM-LMT44 | 800FP-LMP44                               | 800FM-LMP44 | 1             |

800F **P** - **LMP4** **3** -       
           a      b      c      d

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            |                 |
|--------------------------|-----------------|
| Push, Twist-to-Release†§ |                 |
| Code                     | Type            |
| LMT4                     | 40 mm color cap |
| LMT6                     | 60 mm color cap |
| Push-Pull                |                 |
| Code                     | Type            |
| LMP3                     | 30 mm color cap |
| LMP4                     | 40 mm color cap |
| LMP6                     | 60 mm color cap |

c

| Lens Cap Color |        |
|----------------|--------|
| Code           | Color  |
| 3              | Green  |
| 4              | Red    |
| 5              | Yellow |
| 6              | Blue❖  |

d

| Packaging |                |
|-----------|----------------|
| Code      | Description    |
| Blank     | 1 per package  |
| BP        | 10 per package |

- \* LED module required for illumination, can not use incandescent module.
- ❖ All emergency stop operators are EN418 compliant with standard NC, NCLB, or self-monitoring contact blocks.
- † Only available with red color cap.
- § 60 mm version has black arrows; 30 and 40 mm versions have white arrows.
- ❖ Only available with 40 mm Push-Pull color cap ("LMP4" from Table b).

2-Position Non-Illuminated Operators — Mushroom, Key Release (Trigger Action)\*



40 mm Key Release Mushroom  
 Cat. No. 800FP-MK44

| Color | 2-Position (Trigger Action) 40 mm Mushroom Key Release |            | Pkg. Quantity |
|-------|--|------------|---------------|
|       | Plastic  | Metal      |               |
|       | Cat. No.   | Cat. No.   |               |
| Red   | 800FP-MK44   | 800FM-MK44 | 1             |

Note: For Ronis replacement keys, see Accessories, page 53. Key release mushroom operators use key no. 3825.

800F **P** - **MK4** **4** **—** **—**  
 a b c d e

a

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

b

| Operator Type        |       |
|----------------------|-------|
| Key Release Mushroom |       |
| Code                 | Type  |
| MK4                  | 40 mm |

c

| Lens Cap Color |       |
|----------------|-------|
| Code           | Color |
| 4              | Red   |

d

| Ronis Key Lock*†§ |                 |
|-------------------|-----------------|
| Code              | Key No.         |
| Blank             | 3825 (Standard) |
| R                 | 455             |
| 01R               | 3801            |
| 02R               | 3802            |
| 03R               | 3803            |
| 04R               | 3804            |
| 05R               | 3805            |
| 06R               | 3806            |
| 27R               | 4001            |
| 28R               | 4002            |
| 29R               | 4003            |
| 30R               | 4004            |
| 31R               | 4005            |
| 32R               | 4006            |
| 33R               | 4007            |

e

| Packaging |                |
|-----------|----------------|
| Code      | Description    |
| Blank     | 1 per package  |
| BP        | 10 per package |

\* All emergency stop operators are EN418 compliant with standard NC, NCLB, or self-monitoring contact blocks.

† Keyed operators are IP66, Type 4/13.

‡ Not intended for high security applications. Interoperability is possible with certain key/cylinder lock combinations. Consult your local Allen-Bradley distributor for interoperability information.

§ For Ronis replacement keys, see Accessories, page 53.

Bulletin 800F  
**22.5 mm Push Buttons**  
 Product Selection, Continued

**3-Position Push-Pull Operators, Illuminated & Non-Illuminated — Mushroom**



Illuminated 3-Position Push-Pull  
 Cat. No. 800FM-LMP44E3

| Target Table and Operator Position* |     |        |    |
|-------------------------------------|-----|--------|----|
| Contact Type*                       |     |        |    |
|                                     | Out | Center | In |
| N.O.                                | O   | O      | X  |
| N.C.E.B.                            | X   | O      | O  |
| N.C.L.B.                            | X   | X      | O  |

Note: X = Closed/O = Open

\* Contact selection is limited to the following options, consult your Rockwell Automation distributor for other options.

| Operator Function                               | Operator Type   | Color        | Cat. No.      | Pkg. Quantity |
|---|-----------------|--------------|---------------|---------------|
| Momentary Out, Maintained Center, Momentary In  | Illuminated*    | Amber‡       | 800FM-LMM40E3 | 1             |
|   |                 | Green        | 800FM-LMM43E3 |               |
|   |                 | Red          | 800FM-LMM44E3 |               |
|   |                 | Blue‡        | 800FM-LMM46E3 |               |
|   |                 | Clear‡       | 800FM-LMM47E3 |               |
|   | Non-Illuminated | Black§       | 800FM-MM42E3  |               |
|   |                 | Green        | 800FM-MM43E3  |               |
| Red   |                 | 800FM-MM44E3 |               |               |
| Momentary Out, Maintained Center, Maintained In | Illuminated*    | Amber‡       | 800FM-LMP40E3 | 1             |
|   |                 | Green        | 800FM-LMP43E3 |               |
|   |                 | Red          | 800FM-LMP44E3 |               |
|   |                 | Blue‡        | 800FM-LMP46E3 |               |
|   |                 | Clear‡       | 800FM-LMP47E3 |               |
|   | Non-Illuminated | Black§       | 800FM-MP42E3  |               |
|   |                 | Green        | 800FM-MP43E3  |               |
| Red   |                 | 800FM-MP44E3 |               |               |

800F **M** - **L** **MM** **4** **4** **E3**  
 a b c d e f

**a**

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

**b**

| Operator Type |                 |
|---------------|-----------------|
| Code          | Description     |
| L             | Illuminated*    |
| Blank         | Non-Illuminated |

**c**

| Operator Function |   |
|-------------------|---|
| Code              | Description                                     |
| MM                | Momentary Out, Maintained Center, Momentary In  |
| MP                | Momentary Out, Maintained Center, Maintained In |

**d**

| Cap Size |               |
|----------|---------------|
| Code     | Description   |
| 4        | 40 mm Plastic |

**e**

| Cap Color |             |
|-----------|-------------|
| Code      | Description |
| 0         | Amber‡      |
| 2         | Black§      |
| 3         | Green       |
| 4         | Red         |
| 6         | Blue‡       |
| 7         | Clear‡      |

**f**

| Positions |             |
|-----------|-------------|
| Code      | Description |
| E3        | 3-Position  |

\* Cannot use N.C. or N.O.E.M. contact blocks with 3-position push-pull operators. Must use N.O., N.C.E.B., or N.C.L.B. contact blocks.

\* Available in integrated LED version only.

‡ Available in illuminated only.

§ Available in non-illuminated only.

Momentary Push Button Operators, Non-Illuminated — Mushroom\*



40 mm Mushroom  
 Cat. No. 800FM-MM42



60 mm Jumbo Mushroom  
 Cat. No. 800FP-MM63

| Color  | 40 mm Mushroom |            | 60 mm Mushroom |            | Pkg. Quantity |
|--------|----------------|------------|----------------|------------|---------------|
|        | Plastic        | Metal      | Plastic        | Metal      |               |
|        | Cat. No.       | Cat. No.   | Cat. No.       | Cat. No.   |               |
| Black  | 800FP-MM42     | 800FM-MM42 | 800FP-MM62     | 800FM-MM62 | 1             |
| Green  | 800FP-MM43     | 800FM-MM43 | 800FP-MM63     | 800FM-MM63 |               |
| Red    | 800FP-MM44     | 800FM-MM44 | 800FP-MM64     | 800FM-MM64 |               |
| Yellow | 800FP-MM45     | 800FM-MM45 | 800FP-MM65     | 800FM-MM65 |               |
| Blue   | 800FP-MM46     | 800FM-MM46 | 800FP-MM66     | 800FM-MM66 |               |

800F **P** - **MM4** **3** -

*a*
*b*
*c*
*d*

*a*

| Operator Construction |   |
|-----------------------|---|
| Code                  | Description                                 |
| P                     | Round plastic operator (IP65, Type 4/4X/13) |
| M                     | Round metal operator (IP65, Type 4/13)      |

*b*

| Size and Operator Type |                 |
|------------------------|-----------------|
| Mushroom               |                 |
| Code                   | Type            |
| MM4                    | 40 mm momentary |
| MM6                    | 60 mm momentary |

*c*

| Color Cap |        |
|-----------|--------|
| Code      | Color  |
| 2         | Black  |
| 3         | Green  |
| 4         | Red    |
| 5         | Yellow |
| 6         | Blue   |

*d*

| Packaging |                |
|-----------|----------------|
| Code      | Description    |
| Blank     | 1 per package  |
| BP        | 10 per package |

\* Momentary mushroom operators are IP65 rated.



Bulletin 800F  
**22.5 mm Push Buttons**  
 Product Selection, Continued

Momentary Push Button Operators, Illuminated — Mushroom\*



40 mm Mushroom  
 Cat. No. 800FP-LMM43

| Color  | 40 mm Mushroom |             | Pkg. Quantity |
|--------|----------------|-------------|---------------|
|        | Plastic        | Metal       |               |
|        | Cat. No.       | Cat. No.    |               |
| Green  | 800FP-LMM43    | 800FM-LMM43 | 1             |
| Red    | 800FP-LMM44    | 800FM-LMM44 |               |
| Yellow | 800FP-LMM45    | 800FM-LMM45 |               |
| Blue   | 800FP-LMM46    | 800FM-LMM46 |               |
| Clear  | 800FP-LMM47    | 800FM-LMM47 |               |

800F **P** - **LMM4** **3** -       
           *a*        *b*        *c*        *d*

*a*

| Operator Construction |   |
|-----------------------|---|
| Code                  | Description                                 |
| P                     | Round plastic operator (IP65, Type 4/4X/13) |
| M                     | Round metal operator (IP65, Type 4/13)      |

*c*

| Lens Cap Color |        |
|----------------|--------|
| Code           | Color  |
| 3              | Green  |
| 4              | Red    |
| 5              | Yellow |
| 6              | Blue   |
| 7              | Clear  |

*d*

| Packaging |                |
|-----------|----------------|
| Code      | Description    |
| Blank     | 1 per package  |
| BP        | 10 per package |

*b*

| Size and Operator Type |                 |
|------------------------|-----------------|
| Mushroom               |                 |
| Code                   | Type            |
| LMM4                   | 40 mm momentary |

\* Momentary mushroom operators are IP65 rated.

2-Function Momentary Multi-Operator, Non-Illuminated

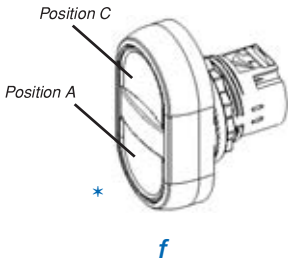


2-Function Momentary Multi-Operator Non-Illuminated  
 Cat. No. 800FP-U2E4F3

| Position A |          |       | Position C |       |       | Plastic      | Pkg. Quantity |
|------------|----------|-------|------------|-------|-------|--------------|---------------|
| Color      | Type     | Text  | Color      | Type  | Text  | Cat. No.     |               |
| Red        | Extended | Blank | Green      | Flush | Blank | 800FP-U2E4F3 | 1             |
|            |          | O     |            |       | I     | 800FP-U2EFFE |               |
|            |          | STOP  |            |       | START | 800FP-U2EBFA |               |

800F **P** - **U2** **E** **4** **F** **3** - **g** (with button caps)  
*a b c d e f g*

800F **P** - **U2** **X** - **g** (without button caps)  
*a b c g*



| Operator Construction |                                    |
|-----------------------|------------------------------------|
| Code                  | Description                        |
| P                     | Plastic operator (IP66, Type 4/4X) |
| M                     | Metal operator (IP66, Type 4)      |

| Operator Type |              |
|---------------|--------------|
| Code          | Description  |
| U2            | Two-function |

| Operator Type — Position A* |                          |
|-----------------------------|--------------------------|
| Code                        | Description              |
| F                           | Flush                    |
| E                           | Extended                 |
| X                           | No caps (all positions)* |

| Operator Color Cap/Text — Position A‡ |                         |
|---------------------------------------|-------------------------|
| Code                                  | Description             |
| 1                                     | White                   |
| 2                                     | Black                   |
| 3                                     | Green                   |
| 4                                     | Red                     |
| 5                                     | Yellow                  |
| 6                                     | Blue                    |
| A                                     | Green with "Start" text |
| B                                     | Red with "Stop" text    |
| C                                     | White with "Start" text |
| D                                     | Black with "Stop" text  |
| E                                     | Green with "I" text     |
| F                                     | Red with "O" text       |
| G                                     | White with "I" text     |
| H                                     | Black with "O" text     |

| Operator Type — Position C* |             |
|-----------------------------|-------------|
| Code                        | Description |
| F                           | Flush       |
| E                           | Extended    |

| Operator Color Cap/Text — Position C‡ |                         |
|---------------------------------------|-------------------------|
| Code                                  | Description             |
| 1                                     | White                   |
| 2                                     | Black                   |
| 3                                     | Green                   |
| 4                                     | Red                     |
| 5                                     | Yellow                  |
| 6                                     | Blue                    |
| A                                     | Green with "Start" text |
| B                                     | Red with "Stop" text    |
| C                                     | White with "Start" text |
| D                                     | Black with "Stop" text  |
| E                                     | Green with "I" text     |
| F                                     | Red with "O" text       |
| G                                     | White with "I" text     |
| H                                     | Black with "O" text     |

| Packaging |                |
|-----------|----------------|
| Code      | Description    |
| Blank     | 1 per package  |
| BP        | 10 per package |

\* Position 1 of the latch (left position when viewed from the back) corresponds to position A of the operator. Position 2 of the latch (right position when viewed from the back) corresponds to position C of the operator.  
 \* For custom engraved caps, order "no caps" option plus custom engraved caps on page 60.  
 ‡ Valid color cap/legend text codes include:

| Color | Text       |               |
|-------|------------|---------------|
|       | Flush Caps | Extended Caps |
| White | START, I   | —             |
| Black | —          | STOP, O       |
| Green | START, I   | —             |
| Red   | —          | STOP, O       |

Bulletin 800F  
**22.5 mm Push Buttons**  
 Product Selection, Continued

2-Function Momentary Multi-Operator, Illuminated\*

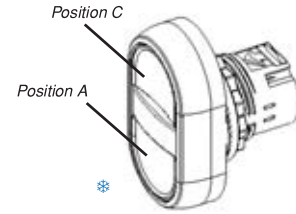


2-Function Momentary Multi-Operator Illuminated  
 Cat. No. 800FP-LU2E2E1

| Position A |          |       | Position B        | Position C |       |       | Plastic       | Pkg. Quantity |
|------------|----------|-------|-------------------|------------|-------|-------|---------------|---------------|
| Color      | Type     | Text  | Type              | Color      | Type  | Text  | Cat. No.      |               |
| Red        | Extended | Blank | White Pilot Light | Green      | Flush | Blank | 800FP-LU2E4F3 | 1             |
|            |          | O     |                   |            |       | I     | 800FP-LU2EFFE |               |
|            |          | STOP  |                   |            |       | START | 800FP-LU2EBFA |               |

800F **P** - **LU2** **E** **4** **F** **3** - (with button caps)  
 a b c d e f g

800F **P** - **LU2** **X** (without button caps)  
 a b c g



**a**

| Operator Construction |                                    |
|-----------------------|------------------------------------|
| Code                  | Description                        |
| P                     | Plastic operator (IP66, Type 4/4X) |
| M                     | Metal operator (IP66, Type 4)      |

**b**

| Operator Type* |                          |
|----------------|--------------------------|
| Code           | Description              |
| LU2            | Two-function Illuminated |

**c**

| Operator Type — Position A‡ |                          |
|-----------------------------|--------------------------|
| Code                        | Description              |
| F                           | Flush                    |
| E                           | Extended                 |
| X                           | No caps (all positions)‡ |

**d**

| Operator Color Cap/Text — Position A§ |                         |
|---------------------------------------|-------------------------|
| Code                                  | Description             |
| 1                                     | White                   |
| 2                                     | Black                   |
| 3                                     | Green                   |
| 4                                     | Red                     |
| 5                                     | Yellow                  |
| 6                                     | Blue                    |
| A                                     | Green with "Start" text |
| B                                     | Red with "Stop" text    |
| C                                     | White with "Start" text |
| D                                     | Black with "Stop" text  |
| E                                     | Green with "I" text     |
| F                                     | Red with "O" text       |
| G                                     | White with "I" text     |
| H                                     | Black with "O" text     |

**f**

| Operator Color Cap/Text — Position C§ |                         |
|---------------------------------------|-------------------------|
| Code                                  | Description             |
| 1                                     | White                   |
| 2                                     | Black                   |
| 3                                     | Green                   |
| 4                                     | Red                     |
| 5                                     | Yellow                  |
| 6                                     | Blue                    |
| A                                     | Green with "Start" text |
| B                                     | Red with "Stop" text    |
| C                                     | White with "Start" text |
| D                                     | Black with "Stop" text  |
| E                                     | Green with "I" text     |
| F                                     | Red with "O" text       |
| G                                     | White with "I" text     |
| H                                     | Black with "O" text     |

**e**

| Operator Type — Position C* |             |
|-----------------------------|-------------|
| Code                        | Description |
| F                           | Flush       |
| E                           | Extended    |

**g**

| Packaging |                |
|-----------|----------------|
| Code      | Description    |
| Blank     | 1 per package  |
| BP        | 10 per package |

\* LED module required for illumination, can not use incandescent module.

‡ Position 1 of the latch (left position when viewed from the back) corresponds to position A of the operator. Position 2 of the latch (right position when viewed from the back) corresponds to position C of the operator. Position 3 of the latch (center position) is reserved for the power module.

‡ For custom engraved caps, order "no caps" option plus custom engraved caps on page 60.

§ Valid color cap/legend text codes include:

| Color | Text       |               |
|-------|------------|---------------|
|       | Flush Caps | Extended Caps |
| White | START, I   | —             |
| Black | —          | STOP, O       |
| Green | START, I   | —             |
| Red   | —          | STOP, O       |

**3-Function Momentary Multi-Operator, Non-Illuminated**

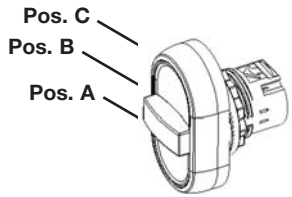


3-Function Momentary Multi-Operator Non-Illuminated  
 Cat. No. 800FP-U3E4F34

| Position A |       |       | Position B |          |       | Position C |       |       | Plastic       | Pkg. Quantity |
|------------|-------|-------|------------|----------|-------|------------|-------|-------|---------------|---------------|
| Color      | Type  | Text  | Color      | Type     | Text  | Color      | Type  | Text  | Cat. No.      |               |
| Green      | Flush | Blank | Red        | Extended | Blank | Green      | Flush | Blank | 800FP-U3F3F34 | 1             |

800F **P** - **U3** **E** **4** **F** **3** **4** - (with button caps)  
*a b c d e f g h*

800F **P** - **U3** **X** - (without button caps)  
*a b c h*  
*a*



| Operator Construction |                                    |
|-----------------------|------------------------------------|
| Code                  | Description                        |
| P                     | Plastic operator (IP66, Type 4/4X) |
| M                     | Metal operator (IP66, Type 4)      |

*b*

| Operator Type |                |
|---------------|----------------|
| Code          | Description    |
| U3            | Three-function |

*c*

| Operator Type — Position A* |                           |
|-----------------------------|---------------------------|
| Code                        | Description               |
| F                           | Flush                     |
| E                           | Extended                  |
| X                           | No caps (all positions)*‡ |

*d*

| Operator Color Cap/Text — Position A§ |             |
|---------------------------------------|-------------|
| Code                                  | Description |
| 1                                     | White       |
| 2                                     | Black       |
| 3                                     | Green       |
| 4                                     | Red         |
| 5                                     | Yellow      |
| 6                                     | Blue        |

*d (cont'd)*

| Operator Color Cap/Text — Position A§ |                         |
|---------------------------------------|-------------------------|
| Code                                  | Description             |
| A                                     | Green with "Start" text |
| B                                     | Red with "Stop" text    |
| C                                     | White with "Start" text |
| D                                     | Black with "Stop" text  |
| E                                     | Green with "I" text     |
| F                                     | Red with "O" text       |
| G                                     | White with "I" text     |
| H                                     | Black with "O" text     |

*e*

| Operator Type — Position C* |             |
|-----------------------------|-------------|
| Code                        | Description |
| F                           | Flush       |
| E                           | Extended    |

*f*

| Operator Color Cap/Text — Position C§ |             |
|---------------------------------------|-------------|
| Code                                  | Description |
| 1                                     | White       |
| 2                                     | Black       |
| 3                                     | Green       |
| 4                                     | Red         |
| 5                                     | Yellow      |
| 6                                     | Blue        |

*f (cont'd)*

| Operator Color Cap/Text — Position C§ |                         |
|---------------------------------------|-------------------------|
| Code                                  | Description             |
| A                                     | Green with "Start" text |
| B                                     | Red with "Stop" text    |
| C                                     | White with "Start" text |
| D                                     | Black with "Stop" text  |
| E                                     | Green with "I" text     |
| F                                     | Red with "O" text       |
| G                                     | White with "I" text     |
| H                                     | Black with "O" text     |

*g*

| Operator Color Cap/Text — Position B*‡ |                      |
|--|----------------------|
| Code                                   | Description          |
| 4                                      | Red                  |
| B                                      | Red with "Stop" text |
| F                                      | Red with "O" text    |

*h*

| Packaging |                |
|-----------|----------------|
| Code      | Description    |
| Blank     | 1 per package  |
| BP        | 10 per package |

\* Position 1 of the latch (left position when viewed from the back) corresponds to position A of the operator. Position 2 of the latch (right position when viewed from the back) corresponds to position C of the operator. Position 3 of the latch (center position) corresponds to position B of the operator.  
 ‡ For custom engraved caps, order "no caps" option plus custom engraved caps on page 60.  
 † For "no caps" option, (position B) center cap available as red, no text only.  
 § Valid color cap/legend text codes include:

| Color | Text       |               |
|-------|------------|---------------|
|       | Flush Caps | Extended Caps |
| White | START, I   | —             |
| Black | —          | STOP, O       |
| Green | START, I   | —             |
| Red   | —          | STOP, O       |

Bulletin 800F  
**22.5 mm Push Buttons**  
 Product Selection, Continued

Reset Operators — Mechanical and/or Electrical Reset



Reset Operator  
 Cat. No. 800FP-R611

| Button Color | Legend Text | Flush — Round |            | Pkg. Quantity |
|--------------|-------------|---------------|------------|---------------|
|              |             | Plastic       | Metal      |               |
|              |             | Cat. No.      | Cat. No.   |               |
| Blue         | R           | 800FP-R611    | 800FM-R611 | 1             |
|              | No Legend   | 800FP-R6      | 800FM-R6   |               |

800F **M** - **R** **6** **11** -

*a*
*b*
*c*
*d*
*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          | Type    |
| R             | Reset*‡ |

*d*

| Legend Text |         |
|-------------|---------|
| Code        | Text    |
| Blank       | No text |
| 11          | R       |

*c*

| Color Cap |       |
|-----------|-------|
| Code      | Color |
| 1         | White |
| 2         | Black |
| 6         | Blue  |

*e*

| Packaging |                |
|-----------|----------------|
| Code      | Description    |
| Blank     | 1 per package  |
| BP        | 10 per package |

\* Will accept latch and up to four single circuit contact blocks or two dual circuit contact blocks; no contacts allowed in center position.  
 ‡ 11 mm reset stroke length.

Threaded Reset Rod Reset Operators



Threaded Reset Rod with 35 mm Pusher  
 Cat. No. 800F-ATR19L

| Rod Length‡ | Rod Length Adjustability | Threaded Reset Rod |               | Pkg. Quantity |
|-------------|--------------------------|--------------------|---------------|---------------|
|             |                          | 10 mm Pusher       | 35 mm Pusher  |               |
|             |                          | Cat. No.           | Cat. No.      |               |
| 40 mm       | 34...52 mm               | 800F-ATR01         | 800F-ATR01L   | 1             |
| 55 mm       | 50...67 mm               | 800F-ATR02         | 800F-ATR02L   |               |
| 85 mm       | 80...98 mm               | 800F-ATR04         | 800F-ATR04L   |               |
| 115 mm      | 110...128 mm             | 800F-ATR06         | 800F-ATR06L   |               |
| 145 mm      | 141...159 mm             | 800F-ATR08         | 800F-ATR08L   |               |
| 315 mm      | 157...326 mm             | § 800F-ATR19       | § 800F-ATR19L |               |

‡ If contact blocks are used, they must have a minimum rod length of 55 mm for one level of contact blocks and 85 mm for two levels of contact blocks.  
 § Rod is threaded along its entire length. Fully threaded rod can be provided after cutting.

Single Turn Potentiometer Assembly\*<sup>‡</sup>



Potentiometer Assembly  
 Cat. No. 800FP-POT1

| Resistive Element     | Cat. No.   |
|-----------------------|------------|
| None (Operator Only)* | 800FP-POT  |
| 150 Ω                 | 800FP-POT1 |
| 500 Ω                 | 800FP-POT2 |
| 1000 Ω                | 800FP-POT3 |
| 2500 Ω                | 800FP-POT4 |
| 5000 Ω                | 800FP-POT5 |
| 10000 Ω               | 800FP-POT6 |

\* The 800FP-POT is a complete operator assembly supplied without the resistive element, used with potentiometers having a shaft diameter of 6.0 mm (0.23 in.) and a shaft length of 50.0 mm (1.97 in.), or a shaft diameter of 6.4 mm (0.25 in.) and a shaft length of 22.5 mm (0.88 in.). This operator is used with Type "J" potentiometers only.

\* Rated 300V AC/DC, 2 W max.

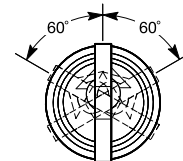
‡ A latch is not needed.

Key Operated Selector Switch - SensEject™

Patent-Pending Spring-Loaded Key Ejection System



2-Position Switching Angle



3-Position Switching Angle

| Operator Construction  | Operator Type                      | Key Eject Position        | Key Option <sup>§</sup> * | Spare Keys  | Contact Blocks    | Cat. No. <sup>&gt;</sup> |
|--|------------------------------------|---------------------------|---------------------------|-------------|-------------------|--------------------------|
| Round Metal Operator — SensEject is IP6X (dust-tight) Type 1 | 2-Position Maintained              | <br>Left with Key Eject   | Zadi Key 06Z              | 800F-AKE006 | None              | 800FM-KEM2106Z           |
|  |                                    |                           |                           |             | 1 N.O.;<br>1 N.C. | 800FM-KEM2106ZMX11       |
|  | 3-Position Spring Return from Both | <br>Center with Key Eject | Zadi Key 01Z              | 800F-AKE001 | None              | 800FM-KEB3401Z           |
|  |                                    |                           |                           |             | 2 N.O.;<br>3 N.C. | 800FM-KEB3401ZMX23       |

§ Not intended for high security applications. Interoperability is possible with certain key/cylinder lock combinations. Consult your local Allen-Bradley distributor for interoperability information.

\* Consult your Allen-Bradley Distributor for more key options.

> Includes latch and spacer block.

Bulletin 800F  
**22.5 mm Push Buttons**  
 Product Selection, Continued

Selector Push Button Operators\*



Selector Jog Operator  
 Cat. No. 800FM-SJ23

| Target Table and Operator Position (2-Position) |                            |                    |                         |                     |                          |
|---|----------------------------|--------------------|-------------------------|---------------------|--------------------------|
| Contact Type*                                   | Position on Mounting Latch | ↙                  |                         | ↗                   |                          |
|   |                            | Selector Left Free | Selector Left Depressed | Selector Right Free | Selector Right Depressed |
| N.O.  | Left                       | O                  | X                       | O                   | O                        |
| N.O.  | Right                      | O                  | O                       | O                   | X                        |
| N.O.  | Center                     | O                  | X                       | O                   | X                        |
| N.C.  | Left                       | X                  | O                       | X                   | X                        |
| N.C.  | Right                      | X                  | X                       | X                   | O                        |
| N.C.  | Center                     | X                  | O                       | X                   | O                        |

Note: X = Closed/O = Open

| Target Table and Operator Position (3-Position) |                            |                    |                         |                      |                           |                     |                          |
|---|----------------------------|--------------------|-------------------------|----------------------|---------------------------|---------------------|--------------------------|
| Contact Type*                                   | Position on Mounting Latch | ↙                  |                         | ↑                    |                           | ↗                   |                          |
|   |                            | Selector Left Free | Selector Left Depressed | Selector Center Free | Selector Center Depressed | Selector Right Free | Selector Right Depressed |
| N.O.  | Left                       | O                  | X                       | O                    | X                         | O                   | O                        |
| N.O.  | Right                      | O                  | O                       | O                    | X                         | O                   | X                        |
| N.O.  | Center                     | O                  | X                       | O                    | X                         | O                   | X                        |
| N.C.  | Left                       | X                  | O                       | X                    | O                         | X                   | X                        |
| N.C.  | Right                      | X                  | X                       | X                    | O                         | X                   | O                        |
| N.C.  | Center                     | X                  | O                       | X                    | O                         | X                   | O                        |

Note: X = Closed/O = Open

\* Contact selection is limited to the following options, consult your Rockwell Automation distributor for other options.

800F **P** - **SJ** **2** **2**  
           a      b      c      d

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  |
| SJ            | Selector Jog |

c

| Operator Function |             |
|-------------------|-------------|
| Code              | Description |
| 2                 | 2-Position  |
| 3                 | 3-Position  |

d

| Color Cap |             |
|-----------|-------------|
| Code      | Description |
| 2         | Black       |
| 3         | Green       |

\* Buttons cannot be engraved.

Toggle Switch Operators\*❄



Toggle Switch Operator  
 Cat. No. 800FM-JM2

| Target Table and Operator Position (2-Position) |                            |             |        |              |
|---|----------------------------|-------------|--------|--------------|
| Contact Type§                                   | Position on Mounting Latch |             |        |              |
|   |                            | Toggle Left | Center | Toggle Right |
| N.O.  | Left                       | O           | O      | X            |
| N.O.  | Right                      | X           | O      | O            |
| N.O.  | Center                     | X           | O      | X            |
| N.C.  | Left                       | X           | X      | O            |
| N.C.  | Right                      | O           | X      | X            |
| N.C.  | Center                     | O           | X      | O            |

Note: X = Closed/O = Open

| Target Table and Operator Position (4-Position)‡ |                            |           |             |        |              |             |
|--|----------------------------|-----------|-------------|--------|--------------|-------------|
| Contact Type§                                    | Position on Mounting Latch |           |             |        |              |             |
|  |                            | Toggle Up | Toggle Left | Center | Toggle Right | Toggle Down |
| N.O.   | Left                       | X         | O           | O      | O            | O           |
| N.O.   | Right                      | O         | X           | O      | O            | O           |
| N.O.   | Center                     | X         | X           | O      | O            | O           |
| N.C.L.B.   | Left                       | O         | X           | X      | X            | X           |
| N.C.L.B.   | Right                      | X         | O           | X      | X            | X           |
| N.C.L.B.   | Center                     | O         | O           | X      | X            | X           |
| N.C.E.B.   | Left                       | O         | O           | O      | O            | X           |
| N.C.E.B.   | Right                      | O         | O           | O      | X            | O           |

Note: X = Closed/O = Open

§ Contact selection is limited to the following options, consult your Rockwell Automation distributor for other options.

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 |

c

| Operator Function |                        |
|-------------------|------------------------|
| Code              | Description            |
| M2                | 2-Position, Maintained |
| R2                | 2-Position, Momentary  |
| M4                | 4-Position, Maintained |
| R4                | 4-Position, Momentary  |

\* Use legend plates 800F-34\_ and 800F-35\_.

❄ Silicone boot comes standard with toggle switch, please see page 54 for replacement boots.

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



Bulletin 800F  
**22.5 mm Push Buttons**  
 Product Selection, Continued

Back-of-Panel Components

Contact Blocks with Latch



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

*a*

| Style |               |
|-------|---------------|
| Code  | Description   |
| P     | Plastic latch |
| M     | Metal latch   |

*b*

| Contact Block(s) Termination Style* |                          |
|-------------------------------------|--------------------------|
| Code                                | Description              |
| X                                   | Screw termination        |
| Q                                   | Spring-clamp termination |

\* Six circuits maximum allowable.

*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(s) |                            |
|----------------------------|----------------------------|
| Code                       | Description                |
| Blank                      | Standard blocks            |
| V                          | Low voltage — QuadCONNECT™ |
| E                          | N.O. early make            |
| L                          | N.C. late break            |
| S                          | N.C. self-monitoring       |

Power Modules with Latch

800F – **M** **N** **3** **G**  
*a* *b* *c* *d*



*a*

| Style |               |
|-------|---------------|
| Code  | Description   |
| P     | Plastic latch |
| M     | Metal latch   |

*b*

| Power Module Type‡§ |   |
|---------------------|---|
| 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♣    |
| 1       | 6V AC/DC♣   |
| 2       | 12V AC/DC♣  |
| 3       | 24V AC/DC   |
| 4       | 48V AC/DC♣  |
| 5       | 120V AC     |
| 7       | 240V AC➤    |

*d*

| Lamp Color⌘ |              |
|-------------|--------------|
| Code        | Description  |
| C           | Incandescent |
| R           | Red LED      |
| G           | Green LED    |
| Y           | Amber LED    |
| W           | White LED    |
| B           | Blue LED     |

‡ LED modules for use with all illuminated operators. Incandescent module for use with pilot lights, momentary push buttons, and momentary mushroom operators only.

§ Four circuits maximum allowable when power module is used. Do not stack contact block on power module.

♣ Only available for incandescent module.

➤ Only available for integrated LED module.

⌘ For best illumination results, LED color should match lens color. For yellow operator, select a white LED.

Back-of-Panel Components, Continued

Power Modules with Contact Blocks and Latch

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** |   |
|---------------------|---|
| 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‡    |
| 1       | 6V AC/DC‡   |
| 2       | 12V AC/DC‡  |
| 3       | 24V AC/DC   |
| 4       | 48V AC/DC‡  |
| 5       | 120V AC     |
| 7       | 240V AC§    |

*d*

| Lamp Color* |              |
|-------------|--------------|
| Code        | Description  |
| C           | Incandescent |
| R           | Red LED      |
| G           | Green LED    |
| Y           | Amber LED    |
| W           | White LED    |
| B           | Blue LED     |

*e*

| Contact Block(s) 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(s) |                            |
|----------------------------|----------------------------|
| Code                       | Description                |
| Blank                      | Standard blocks            |
| V                          | Low voltage — QuadCONNECT™ |
| E                          | N.O. early make            |
| L                          | N.C. late break            |
| S                          | N.C. self-monitoring       |

\* Four circuits maximum allowable when power module is used. Do not stack contact block on power module.

\*\* LED modules for use with all illuminated operators. Incandescent module for use with pilot lights, push buttons, and momentary mushroom operators only.

‡ Only available for incandescent module.




§ Only available for integrated LED module.

‡ For best illuminated results, LED should match lens color. For yellow operator, select a white LED.

Bulletin 800F  
**22.5 mm Push Buttons**  
 Product Selection, Continued

Back-of-Panel Components, Continued

Other





|   | Description  | Cat. No.           | Pkg. Quantity       |                 |                      |
|---|--|--------------------|---------------------|-----------------|----------------------|
| <br><br>Cat. No. 800F-ALM                    | <b>Metal Mounting Latch</b><br>These are zinc-plated, metal die cast mounting latches.<br><b>Note:</b> Sold only in multiples of 10. Order (quantity of) 10 to receive one package of 10 pieces. | 800F-ALM           | 10                  |                 |                      |
|   | <b>Note:</b> Sold only in multiples of 100. Order (quantity of) 100 to receive one package of 100 pieces.  | 800F-ALM-BP        | 100                 |                 |                      |
| <br><br>Cat. No. 800F-ALP                    | <b>Plastic Mounting Latch</b><br><b>Note:</b> Sold only in multiples of 10. Order (quantity of) 10 to receive one package of 10 pieces.  | 800F-ALP           | 10                  |                 |                      |
|   | <b>Note:</b> Sold only in multiples of 100. Order (quantity of) 100 to receive one package of 100 pieces.  | 800F-ALP-BP        | 100                 |                 |                      |
| <br><br>Cat. No. 800F-X10                  | <b>Contact Block</b><br><b>Note:</b> Sold only in multiples of 10. Order (quantity of) 10 to receive one package of 10 pieces.   | <b>Description</b> | <b>Contact Type</b> | <b>Cat. No.</b> | <b>Pkg. Quantity</b> |
|   | N.O.   | 800F-X10           | 10                  |                 |                      |
|   | N.C.   | 800F-X01           |                     |                 |                      |
|   | N.O.E.M.   | 800F-X10E          |                     |                 |                      |
|   | N.C.L.B.   | 800F-X01L          |                     |                 |                      |
|   | N.C.E.B.   | * 800F-X01B        |                     |                 |                      |
|   | Self-Monitoring  | * 800F-X01S        |                     |                 |                      |
|   | N.O. low voltage — QuadCONNECT™  | 800F-X10V          |                     |                 |                      |
|   | N.C. low voltage — QuadCONNECT™  | 800F-X01V          |                     |                 |                      |
|   | Dual circuit of 2 N.O.   | * 800F-X20D        |                     |                 |                      |
|   | Dual circuit of 2 N.C.   | * 800F-X02D        |                     |                 |                      |
|   | Dual circuit of 1 N.O.-1 N.C.  | * 800F-X11D        |                     |                 |                      |
|   | 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  |                    |                     |                 |                      |
| <b>Note:</b> Sold only in multiples of 100. Order (quantity of) 100 to receive one package of 100 pieces. Latch not included. | N.O.   | 800F-X10-BP        | 100                 |                 |                      |
|   | N.C.   | 800F-X01-BP        |                     |                 |                      |

\* Only for use with 4-position selector switch, 4-position toggle switch, or 3-position push-pull operator.

\* Cannot stack.

Back of Panel Components, Continued

Other

|   | Description  | Volts                           | Cat. No.    | Pkg. Quantity |
|---|--|---------------------------------|-------------|---------------|
| <br>Cat. No. 800F-D3C    | <b>Incandescent Module</b><br>For use with pilot lights, push buttons, and momentary mushroom operators.<br><b>Note:</b> Sold in multiples of 10. Order (quantity of) 10 to receive one package of 10 pieces. Latch not included.  | No bulb                         | 800F-D0C    | 10            |
|   |  | 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    |               |
| <br>Cat. No. 800F-N3G    | <b>Integrated LED Module</b><br>For use with all illuminated devices. For best results, LED should match lens color. For amber operators, use yellow LED.<br><b>Note:</b> Sold in multiples of 10. Order (quantity of) 10 to receive one package of 10 pieces. Latch not included. | 24V AC/DC                       | * 800F-N3x  | 10            |
|   |  | 120V AC                         | * 800F-N5x  |               |
|   |  | 240V AC                         | * 800F-N7x  |               |
|   |  | 24V AC/DC spring-clamp          | * 800F-Q3x  |               |
|   |  | 120V AC spring-clamp            | * 800F-Q5x  |               |
|   |  | 240V AC spring-clamp            | * 800F-Q7x  |               |
|   | Description  | Contact Material                | Cat. No.    | Pkg. Quantity |
| <br>Cat. No. 800F-BX01  | <b>Base Mounted Contact Block</b><br>Base mounted contact blocks can be used in plastic or metal enclosures.<br><b>Note:</b> Sold only in multiples of 10. Order (quantity of) 10 to receive one package of 10 pieces.   | N.O.                            | 800F-BX10   | 10            |
|   |  | N.C.                            | 800F-BX01   |               |
|   |  | N.O.E.M.                        | 800F-BX10E  |               |
|   |  | N.C.L.B.                        | 800F-BX01L  |               |
|   |  | N.O. low voltage — QuadCONNECT™ | 800F-BX10V  |               |
|   |  | N.C. low voltage — QuadCONNECT™ | 800F-BX01V  |               |
|   |  | N.O. spring-clamp               | 800F-BQ10   |               |
|   |  | N.C. spring-clamp               | 800F-BQ01   |               |
|   | Description  | Volts                           | Cat. No.    | Pkg. Quantity |
| <br>Cat. No. 800F-BN3R | <b>Base Mounted Integrated LED Module</b><br>Base mounted modules can be used in plastic or metal enclosures. For best illumination results, LED should match lens color.<br><b>Note:</b> Sold in multiples of 10. Order (quantity of) 10 to receive one package of 10 pieces.     | 24V AC/DC                       | * 800F-BN3x | 10            |
|   |  | 120V AC                         | * 800F-BN5x |               |
|   |  | 240V AC                         | * 800F-BN7x |               |
|   |  | 24V AC/DC spring-clamp          | * 800F-BQ3x |               |
|   |  | 120V AC spring-clamp            | * 800F-BQ5x |               |
|   |  | 240V AC spring-clamp            | * 800F-BQ7x |               |

\* To complete the cat. no., replace the x with one of the following letters for the desired color: **Y** = Amber, **R** = Red, **G** = Green, **B** = Blue, **W** = White.

Bulletin 800F  
**22.5 mm Push Buttons**  
 Product Selection, Continued

**Plastic and Metal Enclosures**



Plastic Enclosure  
 Cat. No. 800F-3PM



Metal Enclosure  
 Cat. No. 800F-5MM



Pendant Station  
 Cat. No. 800F-P25

**Plastic Enclosures (Latch or Base Mounting)**

- Accepts two-piece snap-in legends
- One-hole enclosure accepts 60 mm emergency stop legends
- Double insulated
- UL Listed, CSA Certified

**Metal Enclosures (Latch or Base Mounting)**

- Feed-through design
- Accepts two-piece snap-in legends
- Includes base mount adapter

**Pendant Stations (Latch Mounting)**

- Blank legend cap marking
- Connector not included. See Accessories, page 52, for ordering information.

| Type                          | Enclosures            |                  |                                |                         | Pkg. Quantity |
|-------------------------------|-----------------------|------------------|--------------------------------|-------------------------|---------------|
|                               | Plastic (IP66, 4/4X)* |                  | Metal — Die Cast (IP66, 4/13)* |                         |               |
|                               | PG Knockouts          | Metric Knockouts | PG Conduit Openings            | Metric Conduit Openings |               |
|                               | Cat. No.              | Cat. No.         | Cat. No.                       | Cat. No.                |               |
| 1 hole                        | 800F-1PP              | 800F-1PM         | 800F-1MP                       | 800F-1MM                | 1             |
| 2 hole                        | 800F-2PP              | 800F-2PM         | 800F-2MP                       | 800F-2MM                |               |
| 3 hole                        | 800F-3PP              | 800F-3PM         | 800F-3MP                       | 800F-3MM                |               |
| 4 hole                        | 800F-4PP              | 800F-4PM         | —                              | —                       |               |
| 5 hole                        | —                     | —                | 800F-5MP                       | 800F-5MM                |               |
| 6 hole                        | 800F-6PP              | 800F-6PM         | —                              | —                       |               |
| 1 hole (yellow)               | 800F-1LYP             | 800F-1YM         | 800F-1MYP                      | 800F-1MYM               | 1             |
| 1 hole (yellow)<br>Latch only | —                     | —                | 800F-1LYP                      | 800F-1LYM               |               |

\* Can only use single deep contact block.

\* Can stack contact blocks two deep or one dual circuit contact block.

| Type   | Knockout/Conduit Openings for Enclosures |          |          |          |
|--------|--|----------|----------|----------|
|        | Plastic                                  |          | Metal    |          |
|        | PG                                       | Metric   | PG       | Metric   |
|        | Cat. No.                                 | Cat. No. | Cat. No. | Cat. No. |
| 1 hole | PG11/16                                  | M16/20   | PG11/16  | M16/20   |
| 2 hole | PG11/16                                  | M16/20   | PG11/16  | M16/20   |
| 3 hole | PG11/16                                  | M16/20   | PG11/16  | M16/20   |
| 4 hole | PG11/16                                  | M16/20   | —        | —        |
| 5 hole | —  | —        | PG16     | M25/32   |
| 6 hole | PG16                                     | M25      | —        | —        |

| Type                              | Pendants                       |  | Pkg. Quantity |
|-----------------------------------|--------------------------------|--|---------------|
|                                   | Yellow Plastic (IP66, 4/4X/13) |  |               |
|                                   | Cat. No.                       |  |               |
| 1 hole in face                    | 800F-P15                       |  | 1             |
| 2 holes in face                   | 800F-P25                       |  |               |
| 1 hole in bottom                  | 800F-P35                       |  |               |
| 1 hole in face / 1 hole in bottom | 800F-P45                       |  |               |

Assembled Stations



1-Hole Plastic Enclosure  
 with E-Stop Operator  
 Cat. No. 800F-1YP4

1-Hole Yellow Enclosure E-Stop Station

| Enclosure Material | Quick Connect   | Operator Type             | Illumination Voltage | Contact Configuration | Cat. No.     |                  |
|--------------------|-----------------|---------------------------|----------------------|-----------------------|--------------|------------------|
|                    |                 |                           |                      |                       | PG Knockouts | Metric Knockouts |
| Plastic            | N/A             | Twist-to-Release<br>40 mm | Non-Illuminated      | 1 N.C.                | 800F-1YP1    | 800F-1YM1        |
|                    |                 |                           |                      | 1 N.O. / 1 N.C.       | 800F-1YP2    | 800F-1YM2        |
|                    |                 |                           |                      | 2 N.C.                | 800F-1YP3    | 800F-1YM3        |
|                    |                 | 1 N.C.                    |                      | 800F-1YP4             | 800F-1YM4    |                  |
|                    |                 | 1 N.O. / 1 N.C.           |                      | 800F-1YP5             | 800F-1YM5    |                  |
|                    |                 | 2 N.C.                    |                      | 800F-1YP6             | 800F-1YM6    |                  |
|                    |                 | 2 N.C.                    |                      | 800F-1YP7             | —            |                  |
|                    | Micro-QD        | Twist-to-Release<br>40 mm | 24V AC/DC            | 1 N.C.                | —            | 800F-1YML1       |
|                    |                 |                           | 120V AC              |                       | —            | 800F-1YML2       |
|                    |                 |                           | 240V AC              |                       | —            | 800F-1YML3       |
|                    |                 |                           | Non-Illuminated      | —                     | —            | 800F-1YMQA       |
|                    |                 |                           |                      | 1 N.C.                | —            | 800F-1YMQ1       |
|                    |                 |                           |                      | 1 N.O. / 1 N.C.       | —            | 800F-1YMQ2       |
|                    |                 |                           |                      | 2 N.C.                | —            | 800F-1YMQ3       |
| Metal              | Mini Receptacle | 24V AC/DC                 | 1 N.O. / 1 N.C.      | —                     | 800F-1YMQ4   |                  |
|                    |                 | 120V AC                   |                      | —                     | 800F-1YMQ5   |                  |
|                    |                 | 240V AC                   |                      | —                     | 800F-1YMQ6   |                  |
|                    |                 | 24V AC/DC                 |                      | —                     | 800F-1MYMQ4  |                  |
|                    |                 | 120V AC                   |                      | —                     | 800F-1MYMQ5  |                  |
|                    |                 | 240V AC                   |                      | —                     | 800F-1MYMQ6  |                  |

1-Hole Gray Enclosure E-Stop Station

| Enclosure Material | Quick Connect | Operator Type             | Illumination Voltage | Contact Configuration | Cat. No.     |                  |
|--------------------|---------------|---------------------------|----------------------|-----------------------|--------------|------------------|
|                    |               |                           |                      |                       | PG Knockouts | Metric Knockouts |
| Metal              | N/A           | Twist-to-Release<br>40 mm | Non-Illuminated      | 1 N.C.                | —            | 800F-1MM1        |
|                    |               |                           |                      | 1 N.O. / 1 N.C.       | —            | 800F-1MM2        |
|                    |               |                           |                      | 2 N.C.                | —            | 800F-1MM3        |
|                    |               | Key Release<br>40 mm      |                      | 1 N.C.                | —            | 800F-1MM4        |
|                    |               |                           |                      | 1 N.O. / 1 N.C.       | —            | 800F-1MM5        |
|                    |               |                           |                      | 2 N.C.                | —            | 800F-1MM6        |

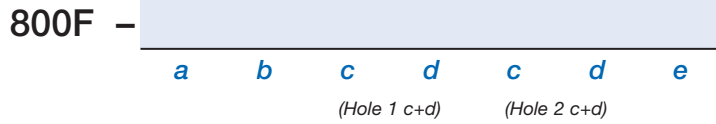
Gray Enclosure Assembled Stations

| Enclosure Material | Quick Connect | Operator Type  | Illumination Voltage | Contact Configuration | Cat. No.     |                  |
|--------------------|---------------|--|----------------------|-----------------------|--------------|------------------|
|                    |               |  |                      |                       | PG Knockouts | Metric Knockouts |
| 1-Hole Plastic     | N/A           | Black Push Button                                      | Non-Illuminated      | 1 N.O.                | 800F-1PP1    | 800F-1PM1        |
|                    |               | "0-1" 2-Position<br>Selector Switch                    |                      | 1 N.O.                | 800F-1PP2    | 800F-1PM2        |
|                    |               | "OFF-ON" 2-Position<br>Selector Switch                 |                      | 1 N.O. / 1 N.C.       | 800F-1PP3    | 800F-1PM3        |
|                    |               | ↔ (Flush Black)  |                      | 1 N.O.                | 800F-1PP4    | —                |
| 2-Hole Plastic     |               | Start and Stop Push<br>Buttons                         |                      | 1 N.O./1 N.C.         | 800F-2PP1    | —                |
| 3-Hole Plastic     |               | ↑ (Flush Black)<br>O (Extended Red)<br>↓ (Flush Black) |                      | 4 N.O./1 N.C.         | 800F-3PP1    | —                |

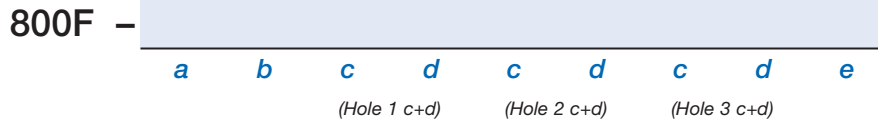
Bulletin 800F  
**22.5 mm Push Buttons**  
 Product Selection, Continued

Assembled Stations with DeviceNet

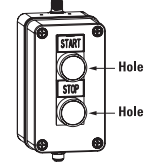
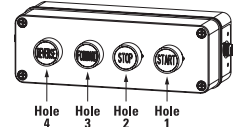
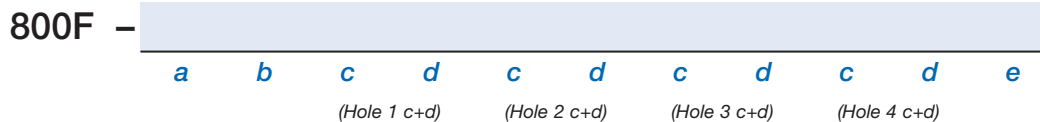
2-Hole



3-Hole



4-Hole



4-Hole Assembled Station  
 Cat. No. 800F-VHA3A4J3J4J

**a**

| Mounting Orientation |             |
|----------------------|-------------|
| Code                 | Description |
| V                    | Vertical*   |
| H                    | Horizontal  |

**b**

| Enclosure Style/Legends |                                      |
|-------------------------|--------------------------------------|
| Code                    | Description                          |
| D                       | 2-Hole/No Legend Frames              |
| E                       | 3-Hole/No Legend Frames              |
| F                       | 4-Hole/No Legend Frames              |
| H                       | 2-Hole/E-Stop Only No Legend Frames* |

**c**

| Operator Types |   |
|----------------|---|
| Code           | Description                                   |
| A              | Non-Illuminated Flush Button                  |
| B              | Non-Illuminated Extended Button               |
| C              | Non-Illuminated Guarded Button                |
| D              | Illuminated Flush Button+                     |
| E              | Illuminated Extended Button+                  |
| F              | Illuminated Guarded Button+                   |
| G              | Non-Illuminated 2-Pos. Selector Switch        |
| H              | Non-Illuminated 3-Pos. Selector Switch        |
| J              | Pilot Light (Diffused)                        |
| K              | Hole Plug                                     |
| L              | Non-Illuminated TTR E-Stop‡                   |
| M              | Non-Illuminated Push Pull‡                    |
| N              | 2-Pos. Key Selector Switch                    |
| P              | 3-Pos. Key Selector Switch                    |
| R              | Non-Illuminated 40 mm Mushroom                |
| T              | E-Stop Key Release‡                           |
| U              | Potentiometer§                                |
| W              | Illuminated Push Pull                         |
| X              | Illuminated 2-Pos. Maintained Selector Switch |
| Y              | Illuminated 3-Pos. Maintained Selector Switch |
| Z              | Illuminated 40 mm Mushroom                    |

**d**

| Color/Text |                         |
|------------|-------------------------|
| Code       | Description             |
| 1          | White                   |
| 2          | Black                   |
| 3          | Green                   |
| 4          | Red                     |
| 5          | Yellow                  |
| 6          | Blue                    |
| 7          | Clear                   |
| 8          | Gray♣                   |
| 9          | No Cap                  |
| 0          | Amber                   |
| A          | Green with "Start" Text |
| B          | Red with "Stop" Text    |
| C          | Black with "→" Symbol   |
| D          | Black with "←" Symbol   |
| E          | Black with "↑" Symbol   |
| F          | Black with "↓" Symbol   |
| G          | Green with "I" Symbol   |
| H          | Red with "O" Symbol     |
| L          | Blue with "R" Text      |

**e**

| I/O Version➤ |   |
|--------------|---|
| Code         | Description                                   |
| Blank        | No External I/O                               |
| A            | 1 Input/1 Output (Sinking)                    |
| B            | 1 Input/1 Output (Sourcing)                   |
| C            | 2 Input                                       |
| D            | 2 Output (Sinking)                            |
| E            | 2 Output (Sourcing)                           |
| F            | 1 E-Stop Block⌘                               |
| G            | 2 E-Stop Block⌘                               |
| H            | 2 Input/2 Output                              |
| J            | 2 Input/2 Output (Sinking)                    |
| K            | 2 Input/2 Output (Sourcing)                   |
| L            | 1 Input/1 Output (Sinking) + 1 E-Stop Block⌘  |
| M            | 1 Input/1 Output (Sourcing) + 1 E-Stop Block⌘ |
| N            | 1 Input/1 Output (Sinking) + 2 E-Stop Block⌘  |
| P            | 1 Input/1 Output (Sourcing) + 2 E-Stop Block⌘ |
| Q            | 2 Input + 1 E-Stop Block⌘                     |
| R            | 2 Input + 2 E-Stop Block⌘                     |
| T            | 2 Output (Sinking) + 1 E-Stop Block⌘          |
| U            | 2 Output (Sourcing) + 1 E-Stop Block⌘         |
| V            | 2 Output (Sinking) + 2 E-Stop Block⌘          |
| W            | 2 Output (Sourcing) + 2 E-Stop Block⌘         |
| X            | 2 Input + 1 Input/1 Output (Sinking)          |
| Y            | 2 Input + 1 Input/1 Output (Sourcing)         |

- \* Selector Switches in a vertical mount enclosure are mounted with a horizontal orientation.
- ⌘ Enclosure Style/Legend option H from Table b can only select one operator from Table c. Valid options are L, M and T. Also see Footnote 3.
- ‡ Operator Types L, M, and T from Table c maybe used as emergency stops. To be valid as an E-Stop, operators must use color/text option 4 from Table d and it must be placed in the last hole position in the enclosure. An E-Stop connector also must be chosen from Table e. Also see Footnote ⌘
- § Potentiometer allowed in first hole position only.
- ♣ Available in flush only.
- This is an 8-in/4-out device. 2-in and 1-out are assigned to each hole position in the enclosure. If a 2-hole enclosure is selected, 4-in and 2-out are assigned internally and up to 4 unassigned I/O points can be assigned to external connectors. This device contains up to two physical external I/O connectors. The "+" symbol in the Description field of table e indicates that two external connectors exist. If an E-Stop connector is used, 2 unassigned I/O points can be assigned to the other connector.
- ⌘ External I/O Versions F, L, M, Q, T, and U receive only one contact block for the external E-Stop string. These connectors are rated 3 A. If more than 3 A of current is needed or if there are two E-Stop strings, use External I/O Versions G, N, P, R, V and W. These versions receive two contact blocks. This allows for 6 A of switching or for two E-Stop strings.
- + Cannot be ordered with "No Cap" ("9" from Table d - Color/Text)

Pendant Stations\*



*Pendant Station  
 Cat. No. 800F-PN2*

| Type                              | Pendants                       |  | Pkg. Quantity |
|-----------------------------------|--------------------------------|--|---------------|
|                                   | Yellow Plastic (IP66, 4/4X/13) |  |               |
|                                   | Cat. No.                       |  |               |
| 1 hole in face                    | 800F-P15                       |  | 1             |
| 2 holes in face                   | 800F-P25                       |  |               |
| 1 hole in bottom                  | 800F-P35                       |  |               |
| 1 hole in face / 1 hole in bottom | 800F-P45                       |  |               |

| DeviceNet Pendant Station with Mini Quick Disconnect Connector |   |
|--|---|
| Cat. No.   | Options   |
| 800F-PND2  | Green Flush PB in Face, Red Pilot Light in Bottom; 24V DC |








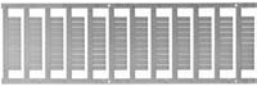

| Pre-Wired Pendant Station with Mini Quick Disconnect Connector |   |
|--|---|
| Cat. No.   | Push Button and Contact Selection   |
| 800F-PN2   | Green Flush (No Text) in Face with 1 N.O. Contact;<br>Red Pilot Light in Bottom with 1 N.O. Contact; 24V AC/DC    |
| 800F-P251  | White Flush (with "Up" Arrow — ↑) with 1 N.O. Contact;<br>Black Flush (with "Down" Arrow — ↓) with 1 N.O. Contact |
| 800F-P252  | Black Flush (with "Forward" Text) with 1 N.O. Contact;<br>Black Flush (with "Reverse" Text) with 1 N.O. Contact   |
| 800F-P253  | Black Flush (with "On" Text) with 1 N.O. Contact;<br>Black Flush (with "Off" Text) with 1 N.C. Contact            |
| 800F-P254  | Green Flush (with "Start" Text) with 1 N.O. Contact;<br>Red Flush (with "Stop" Text) with 1 N.C. Contact          |
| 800F-P255  | 2 Flush Black Push Buttons (No Text), each with 1 N.O. Contact  |

\* Can only use single deep contact block.









Bulletin 800F  
**22.5 mm Push Buttons**  
 Accessories

Miscellaneous

|   | Description  | Type          | Cat. No.      | Pkg. Quantity |
|---|--|---------------|---------------|---------------|
| <br>Cat. No. 800F-AHA1     | <b>30.5 mm to 22.5 mm Hole Size Adapter</b><br>This adapter allows a 22.5 mm push button operator to be installed in a panel with existing 30.5 mm mounting holes.<br><b>Note:</b> Comes with anti-rotation washer (800F-ALC1).                                  | Metal         | 800F-AHA1     | 1             |
| <br>Cat. No. 888N-M4AF1-1F | <b>Quick Disconnect</b><br>This is a male receptacle for pendant stations.   | 4-pin         | 888N-M4AF1-1F |               |
|   |  | 5-pin         | 888N-M5AF1-1F |               |
|   | Description  | Material      | Cat. No.      | Pkg. Quantity |
| <br>Cat. No. 800F-ARP      | <b>Replacement Mounting Rings</b><br><b>Note:</b> All replacement mounting rings are sold only in multiples of 10. Order (quantity of) 10 to receive one package of 10 pieces.   | Plastic       | 800F-ARP      | 10            |
|   |  | Metal         | 800F-ARM      |               |
|   | Description  | Volts         | Cat. No.      | Pkg. Quantity |
| <br>Cat. No. 800F-XD7     | <b>Diode Module</b><br>For lamp checking circuits.   | up to 250V AC | 800F-XD7      | 10            |
|   | <b>Null Block</b><br>For wire terminations only.   | up to 600V AC | 800F-NX70     |               |
|   | Description  |               | Cat. No.      | Pkg. Quantity |
| <br>Cat. No. 800F-AW2    | <b>Mounting Ring Wrench</b><br>This mounting ring wrench is used to tighten plastic or metal mounting rings quickly and securely.  |               | 800F-AW2      | 1             |
| <br>Cat. No. 800F-ALR1   | <b>Bulb Removal Tool</b><br>This item provides an extra anti-rotation feature for rotary operators such as selector switches.<br><b>Note:</b> Sold only in multiples of 10. Order (quantity of) 10 to receive one package of 10 pieces.                          |               | 800F-ALR1     |               |
| <br>Cat. No. 800F-ALC1   | <b>Locking Washer (Anti-Rotation Washer)</b><br>This item provides an extra anti-rotation feature for rotary operators such as selector switches.<br><b>Note:</b> Sold only in multiples of 10. Order (quantity of) 10 to receive one package of 10 pieces.      |               | 800F-ALC1     | 10            |
| <br>Cat. No. 1492-MS5X9  | <b>Snap-In Marker</b><br>This item can be used for circuit identification on all back-of-panel components.   |               | *             | —             |
| <br>Cat. No. 800F-ATK2   | <b>Stab Terminals</b><br>Can be used with all single circuit contact blocks. Minimum spacing requirements apply. See instruction sheet for details.<br><b>Note:</b> Sold only in multiples of 100. Order (quantity of) 100 to receive one package of 100 pieces. |               | 800F-ATK2     | 100           |

\* See Terminal Block section for ordering information.

Miscellaneous, Continued

|   | Description  | Cat. No.      | Pkg. Quantity                |               |
|---|--|---------------|------------------------------|---------------|
| <br>Cat. No. 800F-AGS1     | <b>Ground Screws</b><br>These are self-tapping #6-32 (M3.5) ground screws for metal latches.<br><b>Note:</b> Sold only in multiples of 10. Order (quantity of) 10 to receive one package of 10 pieces.           | 800F-AGS1     | 10                           |               |
| <br>Cat. No. 800F-AGS2     | <b>Ground Screws</b><br>This accessory is used for grounding on Bulletin 800F plastic enclosures only.<br><b>Note:</b> Sold only in multiples of 10. Order (quantity of) 10 to receive one package of 10 pieces. | 800F-AGS2     |                              |               |
|   | Description  | Key No. (Std) | Cat. No.                     | Pkg. Quantity |
| <br>Cat. No. 800F-AKR3825 | <b>Replacement Ronis Key</b><br>Standard replacement key is Cat. No. 800F-AKR3825.   | 3825          | <a href="#">800F-AKR3825</a> | 1*<br>‡       |
|   |  | 455           | 800F-AKR455                  |               |
|   |  | 3801          | 800F-AKR3801                 |               |
|   |  | 3802          | 800F-AKR3802                 |               |
|   |  | 3803          | 800F-AKR3803                 |               |
|   |  | 3804          | 800F-AKR3804                 |               |
|   |  | 3805          | 800F-AKR3805                 |               |
|   |  | 3806          | 800F-AKR3806                 |               |
|   |  | 3901*         | 800F-AKR3901                 |               |
|   |  | 3910*         | 800F-AKR3910                 |               |
|   |  | 3920*         | 800F-AKR3920                 |               |
|   |  | 4001          | 800F-AKR4001                 |               |
|   |  | 4002          | 800F-AKR4002                 |               |
|   |  | 4003          | 800F-AKR4003                 |               |
|   | 4004   | 800F-AKR4004  |                              |               |
|   | 4005   | 800F-AKR4005  |                              |               |
|   | 4006   | 800F-AKR4006  |                              |               |
|   | 4007   | 800F-AKR4007  |                              |               |
|   | Description  | Cat. No.      | Pkg. Quantity                |               |
| <br>Cat. No. 800F-ATW1   | <b>Replacement Trim Washer</b><br>This accessory comes standard with all enclosures. It must be utilized if using base-mounted contact blocks/power modules without legend plates.                               | 800F-ATW1     |                              |               |
| <br>Cat. No. 800F-A3BA   | <b>Replacement Base Mount Adapter</b><br>This accessory comes standard with all metal enclosures. It is required when using metal enclosures with base-mounted contact blocks or base-mounted power modules.     | 800F-A3BA     | 10‡                          |               |
| <br>Cat. No. 800F-ABZ1   | <b>Square Bezel</b><br>Gives round operator a square appearance. This item is made of plastic. Not for use with toggle switch operators.   | 800F-ABZ1     |                              |               |







\* Master key. See page 28 for details.

\* Standard package quantity is one set with two keys.








‡ Sold only in multiples of 10. Order (quantity of) 10 to receive one package of 10 pieces.

Bulletin 800F  
**22.5 mm Push Buttons**  
 Accessories, Continued

Miscellaneous, Continued






|  | Description   | Material      | Cat. No.  | Pkg. Quantity |
|--|---|---------------|-----------|---------------|
| <br>Cat. No. 800F-ABJS  | <b>Replacement Boot</b> for Toggle Switch   | Silicone      | 800F-ABJS | 1             |
|  |   | Nitrile       | 800F-ABJN |               |
| <br>Cat. No. 800F-N2    | <b>Hole Plug</b> used to plug 22.5mm holes.   | Black Plastic | 800F-N2   | 1             |
|  |   | Gray Plastic  | 800F-N8   |               |
| <br>Cat. No. 800F-30WN  | <b>Potentiometer Legend Plate</b> scale 1-10<br><b>Note:</b> Sold in multiples of 10. Order (quantity of) 10 to received one package of 10 pieces.      | —             | 800F-30WN | 10            |
| <br>Cat. No. 800F-30WG | <b>Potentiometer Legend Plate</b> graphical scale<br><b>Note:</b> Sold in multiples of 10. Order (quantity of) 10 to received one package of 10 pieces. | —             | 800F-30WG |               |
|  | Description   | Resistance    | Cat. No.  | Pkg. Quantity |
| <br>Cat. No. 800F-AC1 | <b>Replacement Resistive Elements</b> for the 800FP Potentiometer operator.   | 150Ω          | 800F-AC1  | 1             |
|  |   | 500Ω          | 800F-AC2  |               |
|  |   | 1000Ω         | 800F-AC3  |               |
|  |   | 2500Ω         | 800F-AC4  |               |
|  |   | 5000Ω         | 800F-AC5  |               |
|  |   | 10000Ω        | 800F-AC6  |               |
| <br>Cat. No. 800F-ACP | <b>Selector Switch Tabs</b><br>Changes functionality of selector switch from normal to CenterLeft or CenterRight.                                       | —             | 800F-ACP  | 10            |




**Locking Attachments**

|   | Description   | Type  | Cat. No.    | Pkg. Quantity |
|---|---|---|-------------|---------------|
| <br>Cat. No. 800F-AFL1     | <b>Locking Attachments</b> are used to lock Push Button in the depressed position.<br>-N.C. contacts are open<br>-N.O. contacts may or may not be open<br>-N.C.L.B. contacts may or may not be closed<br>-N.O.E.M contacts are closed | Flush Momentary, Non-Illuminated                  | 800F-AFL1   | 1             |
| <br>Cat. No. 800F-AEL1     |   | Extended Momentary, Non-Illuminated               | 800F-AEL1   |               |
| <br>Cat. No. 800F-AML1     |   | Momentary Mushroom                                | 800F-AML1   |               |
| <br>Cat. No. 800F-AML2    |   | Maintained Mushroom                               | 800F-AML2   |               |
|   | Description   | Lock Position                                     | Cat. No.    | Pkg. Quantity |
| <br>Cat. No. 800F-ASL2L  | <b>Selector Switch Locking Attachment</b><br>Locks standard knob selector switch in specified position  | 2-Position Selector Switches, Left Lock           | 800F-ASL2L  | 1             |
|   |   | 3-Position Selector Switches, Center Lock         | 800F-ASL3C  |               |
| <br>Cat. No. 800F-ASL23A | <b>Selector Switch Locking Attachment</b><br>Ability to put two locks on standard knob selector switch.   | 2- or 3-Position Selector Switches, All Positions | 800F-ASL23A |               |
|   | Description   | Type  | Cat. No.    | Pkg. Quantity |
| <br>Cat. No. 800F-AL01   | <b>Locking Cover</b><br>Used on Flush, Extended and Guarded Momentary and Alternate Action Operators, and Standard Knob Selector Switch Operators.  | —   | 800F-AL01   | 1             |

Bulletin 800F  
**22.5 mm Push Buttons**  
 Accessories, Continued

Guards

|  | Description   | Type                      | Cat. No.   | Pkg. Quantity |
|--|---|---------------------------|------------|---------------|
| <br>Cat. No. 800F-AMRG  | <b>Protective Ring</b> for use with Illuminated and Non-Illuminated 2 Position Push-Pull, and Non-Illuminated Momentary Mushroom operators (40mm only)  | Shiny Metal               | 800F-AMRG  | 1             |
|  |   | Black                     | 800F-AMRGB |               |
|  |   | Yellow Metal              | 800F-AMRGY |               |
| <br>Cat. No. 800F-A6PR5 | <b>Plastic Guard</b> for use with the following operators:<br>-40 mm E-Stop (SEMI Standards Compliant);<br>-40 mm Illuminated/Non-Illuminated Alternate Action and Momentary operators;<br>-60 mm Illuminated/Non-Illuminated Momentary operators;<br>-Selector Switches;<br>-Potentiometer;<br>-Key Operated Selector Switches                                 | Yellow, Round             | 800F-A6PR5 | 1             |
| <br>Cat. No. 800F-AMEGY | <b>Narrow Plastic Guard</b> for use with the following operators:<br>-Illuminated and non-illuminated momentary mushroom operators (40 mm) only;<br>-800FD Monolithic E-Stops;<br>-Flush/Extended/Guarded Push Buttons;<br>-Alternative Action Operators (SEMI standards compliant);<br>-Selector Switches (standard knob and key operated);<br>-Potentiometers | Yellow                    | 800F-AMEGY | 1             |
| <br>Cat. No. 800F-AMMG | <b>40 mm Protective Guard</b> used with illuminated and non-illuminated momentary mushroom operators (40 mm) only.  | Shiny Metal               | 800F-AMMG  | 1             |
| <br>Protective Boots  | Clear Silicone <b>Protective Boot</b> used on Illuminated and Non-Illuminated, flush and extended operators.<br><b>Note:</b> Sold in multiples of 10. Order (quantity of) 10 to received one package of 10 pieces.  | Flush Push Button         | 800F-AB7   | 10            |
|  |   | Extended Push Button      | 800F-ABE7  |               |
|  |   | 3-Position Multi-Function | 800F-AUB1  |               |
|  |   | 2-Position Multi-Function | 800F-AUB2  |               |

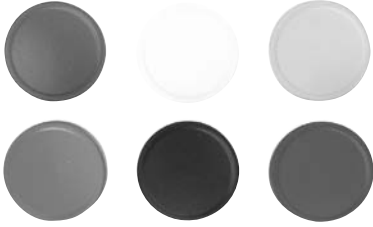
| Lamp  | Type                      | Typical Current | Voltage    | ANSI No. | Cat. No.     | Pkg. Quantity |
|---|---------------------------|-----------------|------------|----------|--------------|---------------|
| <br>Cat. No. 800F-N130 | Full Voltage Incandescent | 150 mA          | 6V AC/DC   | 755      | 800F-N65     | 10*           |
|   |                           | 80 mA           | 12V AC/DC  | 756      | 800F-N141    |               |
|   |                           | 70 mA           | 24V AC/DC  | 757      | 800F-N157    |               |
|   |                           | 50 mA           | 48V AC/DC  | 1835     | 800F-N48     |               |
|   |                           | 22 mA           | 130V AC/DC | 949      | 800F-N130    |               |
| <br>Cat. No. 800F-N240 | Neon                      | 22 mA           | 240V AC    | —        | 800F-N240    | 10*           |
|                        | LED                       | 14 mA/48 mA     | 6V AC/DC   | —        | ‡ 800T-N318x | 10*           |
|   |                           | 12 mA/17 mA     | 32V AC/DC  | —        | ‡ 800T-N363x |               |
|   |                           | 9 mA/14 mA      | 48V AC/DC  | —        | ‡ 800T-N364x |               |
|   |                           | 4.5 mA/6.2 mA   | 130V AC/DC | —        | ‡ 800T-N321x |               |

\* Sold in multiples of 10. Order (quantity of) 10 to receive one package of 10 pieces.


‡ To complete the cat. no., replace the "x" with one of the following letters for the desired color: **A** = Amber; **B** = Blue; **G** = Green; **R** = Red; **W** = White. White LEDs only available in 6V and 130V.

Color caps listed below are for completion of devices ordered with color caps omitted.


**Accessory Color Caps (without Text)**

|   | Color Caps, Non-Illuminated* |                    |                         |                        | Pkg. Quantity |
|---|------------------------------|--------------------|-------------------------|------------------------|---------------|
|   | Color                        | Momentary Extended | Momentary Flush/Guarded | Alternate Action Flush |               |
|   |                              | Cat. No.           | Cat. No.                | Cat. No.               |               |
|  | Orange                       | 800F-AE0           | 800F-AF0                | 800F-AFA0              | 10            |
|   | White                        | 800F-AE1           | 800F-AF1                | 800F-AFA1              |               |
|   | Black                        | 800F-AE2           | 800F-AF2                | 800F-AFA2              |               |
|   | Green                        | 800F-AE3           | 800F-AF3                | 800F-AFA3              |               |
|   | Red                          | 800F-AE4           | 800F-AF4                | 800F-AFA4              |               |
|   | Yellow                       | 800F-AE5           | 800F-AF5                | 800F-AFA5              |               |
|   | Blue                         | 800F-AE6           | 800F-AF6                | 800F-AFA6              |               |
|   | Gray                         | —                  | 800F-AF8                | —                      |               |

**Accessory Color Caps — Multi-Function Operators (without Text)**

|  | Color Caps, Non-Illuminated* |           |           | Pkg. Quantity |
|--|------------------------------|-----------|-----------|---------------|
|  | Color                        | Flush     | Extended  |               |
|  |                              | Cat. No.  | Cat. No.  |               |
|  | White                        | 800F-AFU1 | 800F-AEU1 | 10            |
|  | Black                        | 800F-AFU2 | 800F-AEU2 |               |
|  | Green                        | 800F-AFU3 | 800F-AEU3 |               |
|  | Red                          | 800F-AFU4 | 800F-AEU4 |               |
|  | Yellow                       | 800F-AFU5 | 800F-AEU5 |               |
|  | Blue                         | 800F-AFU6 | 800F-AEU6 |               |


**Accessory Color Lens Caps and Pilot Light Lenses (without Text)**

|   | Color  | Illuminated Color Lens Caps** — Flush, Alternate Action | Illuminated Color Lens Caps** — Extended, Guarded | Pilot Light Lenses** — Standard Lens | Pkg. Quantity |
|---|--------|---|---|--------------------------------------|---------------|
|   |        | Cat. No.  | Cat. No.  | Cat. No.                             |               |
|  | Amber  | 800F-ALF0   | 800F-ALE0   | 800F-AP0                             | 10            |
|   | Green  | 800F-ALF3   | 800F-ALE3   | 800F-AP3                             |               |
|   | Red    | 800F-ALF4   | 800F-ALE4   | 800F-AP4                             |               |
|   | Yellow | 800F-ALF5   | 800F-ALE5   | 800F-AP5                             |               |
|   | Blue   | 800F-ALF6   | 800F-ALE6   | 800F-AP6                             |               |
|   | Clear  | 800F-ALF7   | 800F-ALE7   | 800F-AP7                             |               |

\* Sold only in multiples of 10. Order (quantity of) 10 to receive one package of 10 pieces.

\*\* Includes diffuser.

**Operator Diffusers (without Text)**

|  | Diffusers                                    |          |               |
|--|--|----------|---------------|
|  | Description                                  | Cat. No. | Pkg. Quantity |
| <br>Cat. No. 800F-AD3 | Illuminated Push Buttons — Flush             | 800F-AD2 | 10            |
|  | Pilot Lights                                 | 800F-AD3 |               |
|  | Illuminated Push Buttons — Extended, Guarded | 800F-AD4 |               |

Bulletin 800F  
**22.5 mm Push Buttons**  
 Accessories, Continued

Two-Color Molded Legend Caps — Non-Illuminated Push Buttons

800F – **AF** **3** **01**  
*a* *b* *c*



*a*

| Button Cap Type |             |
|-----------------|-------------|
| Code            | Description |
| AF              | Flush       |
| AE              | Extended    |

*b*

| Color Cap |             |
|-----------|-------------|
| Code      | Description |
| 1         | White       |
| 2         | Black       |
| 3         | Green       |
| 4         | Red         |
| 5         | Yellow      |
| 6         | Blue        |

*c*

| Legend Text*‡ |             |
|---------------|-------------|
| English       |             |
| Code          | Description |
| 01            | START       |
| 02            | STOP        |
| 05            | O           |
| 06            | I           |
| 08            | →           |
| 09            | FORWARD*    |
| 10            | REVERSE*    |
| 11            | R           |

- \* Available in flush only.
- \* White and yellow caps have black text. All other color caps have white text.
- ‡ Valid color cap text codes include:

| Color  | Text                             |               |
|--------|----------------------------------|---------------|
|        | Flush Caps                       | Extended Caps |
| White  | FORWARD, REVERSE, START, I, →, R | →, R          |
| Black  | FORWARD, REVERSE, →, R           | STOP, O, →, R |
| Green  | FORWARD, REVERSE, START, I, →    | →             |
| Red    | FORWARD, REVERSE, STOP, O, →     | STOP, O, →    |
| Yellow | FORWARD, REVERSE, →              | →             |
| Blue   | FORWARD, REVERSE, →, R           | →, R          |

Emergency Stop Legend Plates§

800F – **15** **Y** **—**  
*a* *b* *c*



*a*

| Size |             |
|------|-------------|
| Code | Description |
| 15   | 60 mm round |
| 16   | 90 mm round |

*b*

| Color |             |
|-------|-------------|
| Code  | Description |
| Y     | Yellow*     |
| YS    | Yellow➤     |

*c*

| Text  |   |
|-------|---|
| Code  | Description   |
| Blank | No text   |
| E112  | EMERGENCY STOP  |
| F112  | ARRÊT D'URGENCE                                       |
| G112  | NOT AUS   |
| T112  | ARRESTO EMERGENZA                                     |
| S112  | PARADA DE EMERGENCIA                                  |
| B112  | EMERGENCY STOP, ARRÊT D'URGENCE, PARADA DE EMERGENCIA |

*c (cont'd)*

| Text |   |
|------|---|
| Code | Description                                 |
| M112 | NOT AUS, ARRESTO EMERGENZA, ARRÊT D'URGENCE |
| D112 | NOODSTOP                                    |
| N112 | NÖDSTOPP, EMERGENCY STOP                    |
| W112 | NÖDSTOPP, EMERGENCY STOP                    |
| A112 | NÖDSTOPP                                    |
| L112 | NEYÐARSTOPP, NEYÐARSTOPP                    |
| H112 | NÖD-STOP, HÄTÄ-SEIS, NÖD-STOP               |

- § Sold only multiples of 10. Order (quantity of) 10 to receive one package of 10 pieces.
- \* Must be used with base mount contact blocks and trim washer.
- Must be used with latch mounted contact blocks only.

**Legend Plates, Continued**

**Ordering Information\*\*§**

**Standard Text/Symbols**

1. Select the cat. no. for the appropriate legend size and color from the Selection Tables on this page.
2. Complete the cat. no. by adding the appropriate suffix no. selected from pages 61...63. Font size is automatically determined by the number of characters, as shown in the following table. Do not add the font code to the cat. no.

| Font Size    | No. of Characters      |                        |                                     |
|--------------|------------------------|------------------------|-------------------------------------|
|              | One-Piece Legend Plate | Two-Piece Legend Plate | Special Multi-Function Legend Plate |
| K (small)    | >14                    | >13                    | >6                                  |
| S (standard) | ≤14                    | ≤13                    | ≤6                                  |

Example: **Cat. No. 800F-11WE101** identifies a white, 30 x 40 mm snap-in legend plate and frame with AUTO engraved on it.



**Custom Text (text not found on pages 61...63)**

1. Select the cat. no. for the appropriate legend size and color from the Selection Tables on this page.
2. Add **E100** followed by the font code (K, S, L) from the following table.

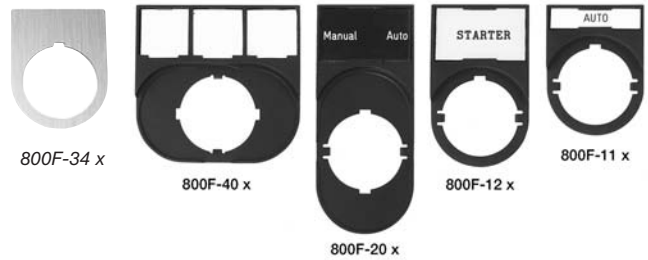
| Font Size    | Type of Legend Plate |            |            |                     |            |                          |                        |                   |
|--------------|----------------------|------------|------------|---------------------|------------|--------------------------|------------------------|-------------------|
|              | One-Piece            |            |            |                     |            |                          | Special Multi-Function |                   |
|              | Max. No. of Lines    |            |            | Max. No. of Lines   |            |                          | Max. Char. per Line    | Max. No. of Lines |
|              | Max. Char. per Line  | 30 x 40 mm | 30 x 50 mm | Max. Char. per Line | 30 x 40 mm | 30 x 50 mm or 30 x 60 mm |                        |                   |
| K (small)    | 16                   | 2          | 5          | 15                  | 2          | 5                        | 7                      | 3                 |
| S (standard) | 14                   | 2          | 3          | 13                  | 1          | 3                        | 6                      | 3                 |
| L (large)    | 10                   | 1          | 3          | 9                   | 1          | 3                        | 4                      | 2                 |

3. Complete the cat. no. by adding custom text to the order item's memo text or notes field.

Example: **Cat. No. 800F-12WE100K STARTER** identifies a white, 30 x 50 mm snap-in legend plate and frame with custom text STARTER engraved in small font.



**Selection Tables\***



| Type  | Description              | Cat. No. (Blank) | Cat. No. (with Text Symbols) |
|---|--------------------------|------------------|------------------------------|
| 30 x 40 mm 2-piece snap-in plate and frame              | Red with White Text      | 800F-11RE100     | 800F-11R□□□□                 |
|   | White with Black Text    | 800F-11WE100     | 800F-11W□□□□                 |
|   | Black with White Text    | 800F-11BE100     | 800F-11B□□□□                 |
|   | Aluminum with Black Text | 800F-11AE100     | 800F-11A□□□□                 |
| 30 x 50 mm 2-piece snap-in plate and frame              | White with Black Text    | 800F-12WE100     | 800F-12W□□□□                 |
|   | Black with White Text    | 800F-12BE100     | 800F-12B□□□□                 |
|   | Aluminum with Black Text | 800F-12AE100     | 800F-12A□□□□                 |
| 30 x 60 mm 2-piece snap-in plate and frame              | White with Black Text    | 800F-20WE100     | 800F-20W□□□□                 |
|   | Black with White Text    | 800F-20BE100     | 800F-20B□□□□                 |
|   | Aluminum with Black Text | 800F-20AE100     | 800F-20A□□□□                 |
| Special multi-function 4-piece snap-in plates and frame | White with Black Text    | 800F-40WE100     | —                            |
|   | Black with White Text    | 800F-40BE100     | —                            |
|   | Aluminum with Black Text | 800F-40AE100     | —                            |
| 30 x 40 mm 1-piece                                      | White with Black Text    | 800F-34WE100     | 800F-34W□□□□                 |
|   | Black with White Text    | 800F-34BE100     | 800F-34B□□□□                 |
|   | Aluminum with Black Text | 800F-34AE100     | 800F-34A□□□□                 |
| 30 x 50 mm 1-piece                                      | Red with White Text      | 800F-35RE100     | 800F-35R□□□□                 |
|   | White with Black Text    | 800F-35WE100     | 800F-35W□□□□                 |
|   | Black with White Text    | 800F-35BE100     | 800F-35B□□□□                 |
| 30 x 40 mm snap-in plate only                           | Aluminum with Black Text | 800F-35AE100     | 800F-35A□□□□                 |
|   | Red with White Text      | 800F-17RE100     | 800F-17R□□□□                 |
|   | White with Black Text    | 800F-17WE100     | 800F-17W□□□□                 |
| 30 x 50 mm snap-in plate only                           | Black with White Text    | 800F-17BE100     | 800F-17B□□□□                 |
|   | Aluminum with Black Text | 800F-17AE100     | 800F-17A□□□□                 |
|   | White with Black Text    | 800F-18WE100     | 800F-18W□□□□                 |
| Special multi-function snap-in plate only‡              | Black with White Text    | 800F-18BE100     | 800F-18B□□□□                 |
|   | Aluminum with Black Text | 800F-18AE100     | 800F-18A□□□□                 |
|   | White with Black Text    | 800F-42WE100     | 800F-42W□□□□                 |
|   | Black with White Text    | 800F-42BE100     | 800F-42B□□□□                 |
|   | Aluminum with Black Text | 800F-42AE100     | 800F-42A□□□□                 |

| Legend Plate Frame — 2-Piece Snap-In* |          |                        |          |
|---------------------------------------|----------|------------------------|----------|
| Type                                  | Cat. No. | Type                   | Cat. No. |
| 30 x 40 mm                            | 800F-110 | 30 x 60 mm             | 800F-200 |
| 30 x 50 mm                            | 800F-120 | Special multi-function | 800F-400 |

\* Blank legend frames sold only in multiples of 10. Order (quantity of) 10 to receive one package of 10 pieces. Legends with standard text/symbols or custom text are packaged in quantities of 1.  
 † Font code **K** = 0.08 in; font code **S** = 0.10 in; font code **L** = 0.14 in.  
 ‡ Three snap-in plates are required for each legend frame.  
 § For configuration assistance, see RAISE product selection software.  
 \* Plate dimensions found on pages 66...67.



Bulletin 800F  
**22.5 mm Push Buttons**  
 Accessories, Continued

Custom Laser-Engraved Caps and Diffusers

Ordering Information\*\*§

Standard Text/Symbols

1. Select the cat. no. for the appropriate product and color from the Configurator Tables on this page.
2. Complete the cat. no. by adding the appropriate suffix no. selected from pages 61...63.

Example: **Cat. No. 800F-AF3CE166** identifies a flush, green cap with custom-engraved text ON.

3. Font size is automatically determined by the number of characters. ‡ Do not add a font code to the cat. no.

| Font Size | No. of Characters |
|-----------|-------------------|
| 12 pt.    | 7                 |
| 16 pt.    | 5...6             |
| 20 pt.    | 1...4             |

Custom Text (text not found on pages 61...63)

1. Select the cat. no. for the appropriate product and color from the Configurator Tables on this page.
2. Add E100 followed by the font code (G, H, J), based on the number of custom characters.
3. Complete the cat. no. by adding custom text to the order item's memo text or notes field.

Example: Cat. No. 800F-AF3CE100J FILL identifies a flush, green push button cap with custom laser-engraved text FILL in large font.

| Font Size             | No. of Characters | Max. No. of Lines |
|-----------------------|-------------------|-------------------|
| G (small) (12 pt.)    | 7                 | 1                 |
| H (standard) (16 pt.) | 5...6             | 1                 |
| J (large) (20 pt.)    | 1...4             | 1                 |

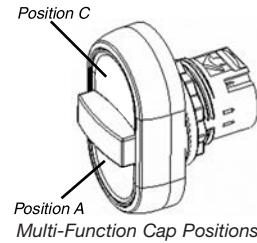
Custom Symbols/Graphics (symbols not found on page 61)

1. Select the cat. no. for the appropriate product and color from the Configurator Tables on this page.
2. Add U100 to identify the custom symbol or graphic.
3. Please contact your local Allen-Bradley sales office to submit the graphic.

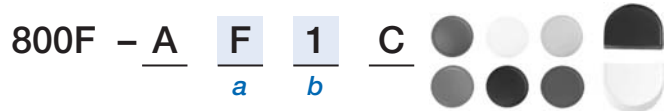
Example: **Cat. No. 800F-AD3CU100**

\* Package quantity of one for all laser-engraved caps and diffusers.  
 † Standard font is Arial Narrow.  
 ‡ Seven characters maximum allowable.  
 § For configuration assistance, see RAISE product selection software.

Configurator Tables



Push Button, Multi-Function Caps



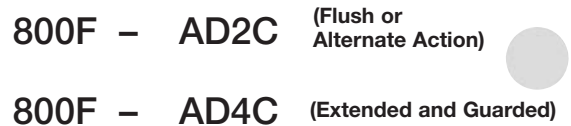
| Type |  |
|------|--|
| Code | Description                                  |
| E    | Push button extended cap                     |
| F    | Push button flush cap                        |
| FA   | Alternate action cap                         |
| FAU  | Multi-function flush cap (for position A)    |
| EAU  | Multi-function extended cap (for position A) |
| FCU  | Multi-function flush cap (for position C)    |
| ECU  | Multi-function extended cap (for position C) |

| Color |             |
|-------|-------------|
| Code  | Description |
| 0     | Amber       |
| 1     | White       |
| 2     | Black       |
| 3     | Green       |
| 4     | Red         |
| 5     | Yellow      |
| 6     | Blue        |

Pilot Light Diffuser



Illuminated Push Button Diffusers



**Legend Texts**  
**Standard Symbols\***

| Marking  | Description                            | Std.            | Suffix No. | Marking | Description                   | Std.            | Suffix No.†§ | Marking | Description                           | Std.             | Suffix No.†§ |
|----------|--|-----------------|------------|---------|-------------------------------|-----------------|--------------|---------|---------------------------------------|------------------|--------------|
| (Blank)  | Blank                                  | —               | U100       |         | CONTINUOUS ROTATION TO LEFT   | ISO 7B          | U708         |         | SETUP                                 | DIN 986          | U855         |
|          | START*‡§                               | ISO 71          | U219       |         | INTERRUPTED ROTATION TO LEFT  | —               | U710         |         | COOLANT FLUID                         | ISO 101          | U875         |
|          | —*‡§                                   | ISO 72          | U220       |         | INTERRUPTED ROTATION TO RIGHT | —               | U711         |         | LIGHT                                 | ISO 139, 102     | U876         |
|          | START*‡§                               | ISO 5232        | U221       |         | DIRECTION OF SPINDLE SPEED    | —               | U717         |         | WEIGHT                                | —                | U877         |
|          | CONTINUOUS MOTION LEFT, RIGHT➤         | —               | U226       |         | FEED                          | ISO 16          | U720         |         | REFILLING                             | DIN 256, ISO 104 | U878         |
|          | CONTINUOUS MOTION UP, DOWN➤            | —               | U227       |         | REDUCED SPEED                 | —               | U723         |         | FULL LEVEL                            | —                | U879         |
| O        | STOP                                   | —               | U228       |         | RAPID FEED                    | —               | U724         |         | DRAIN                                 | DIN 257, ISO 106 | U880         |
| I        | STEP 1                                 | —               | U229       |         | NORMAL FEED                   | —               | U725         |         | OVERFLOW                              | DIN 258, ISO 105 | U881         |
| II       | STEP 2                                 | —               | U230       |         | LONGITUDINAL FEED             | —               | U726         |         | OIL LUBRICATION                       | DIN 175, ISO 107 | U882         |
| O-I      | STOP-START➤                            | —               | U231       |         | TRANSVERSE FEED               | —               | U727         |         | BLOWING UNIT                          | DIN 263, ISO 108 | U883         |
| I-O      | START-STOP➤                            | —               | U232       |         | RAPID TRANSVERSE              | ISO 26          | U728         |         | SUCTION UNIT                          | DIN 264, ISO 109 | U884         |
| I-II     | —➤                                     | —               | U233       |         | THREADING                     | —               | U729         |         | STEPLESS OPERATION                    | ISO 61           | U900         |
| I-O-II   | —➤                                     | —               | U234       |         | INCREASE                      | ISO 28          | U730         |         | CLAMP OR TIGHTEN                      | ISO 63A          | U901         |
| —-O-I    | —➤                                     | —               | U236       |         | DECREASE                      | ISO 29          | U731         |         | CLAMP OR TIGHTEN                      | —                | U902         |
|          | —➤                                     | —               | U237       |         | CONVENTIONAL MILLING          | —               | U736         |         | LOOSEN                                | ISO 64A          | U903         |
| I-II-III | —➤                                     | —               | U240       |         | CLIMB MILLING                 | —               | U737         |         | LOOSEN                                | —                | U904         |
|          | CONTINUOUS MOTION                      | —               | U241       |         | ELECTRIC MOTOR                | ISO 41          | U800         |         | BRAKE ON                              | ISO 65           | U905         |
|          | CONTINUOUS MOTION                      | —               | U242       |         | TURNING SPINDLE               | —               | U803         |         | BRAKE RELEASE                         | ISO 66           | U906         |
|          | CONTINUOUS MOTION                      | —               | U243       |         | DRILLING SPINDLE              | —               | U804         |         | AUTO CYCLE                            | —                | U907         |
| III      | STEP 3                                 | —               | U249       |         | MILLING SPINDLE               | —               | U805         |         | MANUAL                                | DIN 35           | U908         |
| O-➤      | —➤                                     | —               | U256       |         | GRINDING SPINDLE              | —               | U806         |         | START                                 | ISO 69           | U909         |
| I-O-I    | START-STOP-START➤                      | —               | U282       |         | PUMP                          | ISO 48          | U807         |         | STOP                                  | ISO 70           | U910         |
| O-1-2    | —➤                                     | —               | U285       |         | COOLANT PUMP                  | —               | U808         |         | TAKE ACTION WHEN CONTROL IS OPERATING | —                | U912         |
| IV       | STEP 4                                 | —               | U604       |         | LUBRICATION PUMP              | —               | U809         |         | ENGAGE                                | DIN 46, ISO 74   | U913         |
| V        | STEP 5                                 | —               | U605       |         | HYDRAULIC SYSTEMS PUMP        | —               | U810         |         | DISENGAGE                             | DIN 45, ISO 75   | U914         |
| ➤        | CONTINUOUS MOTION                      | ISO 1           | U700       |         | HYDRAULIC MOTOR               | —               | U811         |         | ENGAGE TRACE                          | —                | U917         |
| ↔        | LINEAR MOTION TWO DIRECTIONS           | ISO 2           | U701       |         | TRACER                        | —               | U812         |         | DISENGAGE TRACE                       | —                | U918         |
| I        | VERTICAL MOTION                        | —               | U702       |         | SHEAR PIN CONSTRUCTION        | ISO 91          | U850         |         | CHANGE SPEED ONLY IN STOPPED POSITION | —                | U919         |
| ➤➤       | INTERRUPTED MOTION*§                   | —               | U703       |         | ATTENTION/DANGER              | DIN 131, ISO 92 | U851         |         | CHANGE SPEED ONLY WHEN IN MOTION      | —                | U920         |
| ➤➤       | LIMITED MOTION*§                       | ISO 4           | U704       |         | CAUTION                       | ISO 93          | U852         |         | CONTINUOUS ADJUSTMENT                 | ISO 62           | U921         |
|          | LIMITED MOTION AND RETURN*§            | ISO 5           | U705       |         | MAIN SWITCH                   | ISO 94          | U853         | —       | AUTOMATIC OR SEMIAUTOMATIC CYCLE      | DIN 267          | U922         |
|          | OSCILLATING MOTION, CONTINUOUS CYCLE*§ | —               | U706       |         | ACOUSTIC WARNING EQUIPMENT    | DIN 155         | U854         | R       | RESET                                 | —                | U924         |
|          | CONTINUOUS ROTATION TO RIGHT*§         | DIN 100, ISO 7A | U707       | —       | —                             | —               | —            | —       | —                                     | —                | —            |

\* Items in gray shaded table cells only available on legend plates. Not available as laser-engraved text on button caps, illuminated push button diffusers, or pilot light diffusers.  
 ‡ Not available on -11 or -17 legend plates.  
 § Not available on -34 legend plates.  
 † Not available on -12, -18, or -20 legend plates.  
 ‡ Not available on -35 legend plates.  
 ➤ Not available on -42 legend plates.

Bulletin 800F  
**22.5 mm Push Buttons**  
 Accessories, Continued

Legend Texts, Continued

Standard Text\*

English

| Marking            | Suffix No. | Marking               | Suffix No. | Marking          | Suffix No. | Marking                                | Suffix No. | Marking            | Suffix No. |
|--------------------|------------|-----------------------|------------|------------------|------------|--|------------|--------------------|------------|
| (Blank)            | E100       | FOR-OFF-REV➤          | E261       | LAST STOP        | E278       | PULL TO RESET                          | E176       | START              | E208       |
| I-O-AUTO§*         | E235       | FOR-REV➤              | E253       | LEFT             | E145       | PUMP STOP                              | E290       | START CYCLE        | E209       |
| ACCU-STOP➤         | E284       | FOR-STOP-REV➤         | E254       | LEFT-RIGHT➤      | E146       | PURGE                                  | E271       | START-JOG➤         | E210       |
| AT SPEED           | E285       | FORWARD               | E120       | LOCAL-REMOTE➤    | E147       | PUSH TO STOP                           | E179       | START-STOP➤        | E211       |
| AUTO               | E101       | FORWARD-AUTO-REVERSE➤ | E121       | LOW              | E148       | PUSH TO STOP-TWIST OR PULL, RELEASE*§➤ | E262       | STOP               | E212       |
| AUTO-O-HAND§*      | E250       |                       |            | LOW-HIGH➤        | E149       |  |            | STOP-CYCLE➤        | E213       |
| AUTO-HAND➤         | E102       | FORWARD-OFF-REVERSE➤  | E122       | LOW-OFF-HIGH➤    | E150       | PUSH-TO-TEST                           | E181       | STOP-RESET➤        | E214       |
| AUTO-MAN-OFF➤      | E103       |                       |            | LOW SPEED        | E151       | RAISE                                  | E182       | STOP-START➤        | E215       |
| AUTO-MANUAL➤       | E286       | FORWARD-STOP-REVERSE➤ | E123       | LOWER            | E152       | RAISE-LOWER➤                           | E183       | SUMMER-OFF-WINTER➤ | E216       |
| AUTO-OFF-HAND➤     | E104       |                       |            | LOW-OFF-RAISE➤   | E153       | RAISE-OFF-LOWER➤                       | E184       |                    |            |
| BLOWER             | E268       | FORWARD-REVERSE➤      | E124       | LOWER-RAISE➤     | E154       | READY                                  | E185       | SUMMER-WINTER➤     | E217       |
| BRAKE              | E105       |                       |            | MANUAL           | E155       | RESET                                  | E186       | SUPPLY ON          | E218       |
| BYPASS-OFF-DRIVE§* | E297       | FULL SPEED            | E125       | MAN-O-AUTO§*     | E238       | RETURN                                 | E187       | TEST               | E219       |
| BYPASS ON§*        | E295       | HAND                  | E126       | MAN-AUTO➤        | E258       | REV-FOR➤                               | E260       | TRANSFER➤          | E220       |
| BYPASS START§*     | E299       | HAND-I-AUTO§*         | E239       | MANUAL-AUTO➤     | E156       | REVERSE                                | E188       | TRIP               | E221       |
| BYPASS STOP§*      | E298       | HAND-O-AUTO➤          | E283       | MAN-OFF-AUTO➤    | E259       | REVERSE-FORWARD➤                       | E189       | UNCLAMP            | E222       |
| CLAMP              | E106       | HAND-AUTO➤            | E127       | MANUAL-OFF-AUTO➤ | E157       |  |            | UP                 | E223       |
| CLOSE              | E107       | HAND-OFF-AUTO➤        | E128       | MOTOR RUN        | E158       | REVERSE-OFF-FORWARD➤                   | E190       | UP-DOWN➤           | E224       |
| CYCLE START        | E108       | HAND OFF              | E264       | MOTOR RUNNING    | E159       |  |            | UP-OFF-DOWN➤       | E225       |
| DECREASE➤          | E109       | HAND ON               | E263       | MOTOR START      | E160       | RIGHT                                  | E191       |                    |            |
| DRIVE-START➤       | E287       | HAND START            | E265       | MOTOR STOP       | E161       | RIGHT-LEFT➤                            | E192       |                    |            |
| DRIVE-STOP➤        | E288       | HAND STOP             | E266       | MOTOR STOPPED    | E162       | ROTATE CW                              | E246       |                    |            |
| DOWN               | E110       | HEAT                  | E270       | NO FLIP          | E275       | ROTATE CCW                             | E247       |                    |            |
| DOWN-OFF-UP➤       | E111       | HIGH                  | E129       | OFF              | E163       | RUN                                    | E193       |                    |            |
| DRIVE ON§*         | E296       | HIGH-LOW➤             | E130       | OFF CIRCUIT      | E244       | RUN-JOG➤                               | E194       |                    |            |
| EMERG STOP         | E251       | HIGH-OFF-LOW➤         | E131       | OFF-COOLANT-ON➤  | E164       | RUN-SAFE-JOG➤                          | E195       |                    |            |
| EMERGENCY➤         | E248       | IN                    | E132       | OFF-LIGHT-ON➤    | E272       | RUNNING                                | E243       |                    |            |
| EMERGENCY OFF➤     | E294       | IN-OUT➤               | E133       | OFF-ON➤          | E165       | SAFE                                   | E196       |                    |            |
| EMERGENCY STOP➤    | E112       | INCH                  | E134       | ON               | E166       | SAFE-RUN➤                              | E197       |                    |            |
| ENABLE             | E279       | INCH-REV➤             | E257       | ON CIRCUIT       | E245       | SETUP                                  | E198       |                    |            |
| ENTER              | E277       | INCH-REVERSE➤         | E135       | ON-OFF➤          | E167       | SETUP-RUN➤                             | E302       |                    |            |
| ERROR              | E273       | INCH-RUN➤             | E136       | ON-OFF-AUTO➤     | E168       | SETUP-SERVICE➤                         | E199       |                    |            |
| EXHAUSTER➤         | E269       | INCREASE➤             | E137       | ON-STOP-SAFE➤    | E169       | SEQUENCE-TEST➤                         | E200       |                    |            |
| FAULT              | E113       | INSPECT               | E274       | OPEN             | E170       | SLOW                                   | E201       |                    |            |
| FAST               | E114       | JOG                   | E138       | OPEN-CLOSE➤      | E171       | SLOWER                                 | E202       |                    |            |
| FAST-OFF-SLOW➤     | E289       | JOG-FOR➤              | E255       | OPEN-OFF-CLOSE➤  | E172       | SLOWEST                                | E203       |                    |            |
| FASTER             | E115       | JOG-FORWARD➤          | E139       | OUT              | E173       | SLOW-FAST➤                             | E204       |                    |            |
| FEED START         | E116       | JOG-OFF-RUN➤          | E140       | OVERLOAD➤        | E267       | SLOW-OFF-FAST➤                         | E205       |                    |            |
| FEED STOP          | E117       | JOG-REV➤              | E256       | OVERLOAD TRIP➤   | E174       | SLOW-STOP-FAST➤                        | E206       |                    |            |
| FEEDER OFF         | E118       | JOG-REVERSE➤          | E141       | OVERLOAD RESET➤  | E175       | SLOW-OFF-START➤                        | E207       |                    |            |
| FEEDER ON          | E119       | JOG-RUN➤              | E142       | POWER OFF        | E177       | SLOW SPEED                             | E291       |                    |            |
| FIFO               | E276       | JOG-SAFE-RUN➤         | E143       | POWER ON         | E178       | SOFT STOP                              | E292       |                    |            |
| FOR-AUTO-REV➤      | E252       | JOG-STOP-RUN➤         | E144       | PULL TO START    | E180       | SPEED                                  | E293       |                    |            |

\* Items in gray shaded table cells only available on legend plates. Not available as laser-engraved text on button caps, illuminated push button diffusers, or pilot light diffusers.

§ Not available on -11 or -17 legend plates.

§ Not available on -34 legend plates.

\* Not available on -35 legend plates.

➤ Not available on -42 legend plates.

Legend Texts, Continued

Standard Text, Continued\*

French

| Marking           | Suffix No. | Marking                 | Suffix No. | Marking         | Suffix No. | Marking             | Suffix No. | Marking                | Suffix No. |
|-------------------|------------|-------------------------|------------|-----------------|------------|---------------------|------------|------------------------|------------|
| A-COUPS           | F138       | AVANT-ARRÊT-ARRIÈRE >   | F122       | DESCENDRE >     | F110       | HORS MANUEL         | F249       | MARCHE-ARRÊT >         | F211       |
| ACCU-STOP >       | F280       |                         |            | DROIT           | F191       | LENT                | F201       | MONTER                 | F182       |
| ARRIÈRE           | F188       | AVANT-ARRIÈRE >         | F124       | EN              | F247       | LENT-ARRÊT-VITE >   | F205       | OUVRIER                | F170       |
| ARRÊT             | F163       | AV-ARR >                | F290       | EN CIRCUIT      | F245       | M FORCEE            | F284       | PANNE                  | F113       |
| ARRÊT D'ENTR      | F289       | AV-HORS-ARR >           | F253       | EN MANUEL       | F250       | MANUEL              | F126       | RAP-HORS-LENT >        | F285       |
| ARRÊT DOUX        | F288       | BAS                     | F148       | FERMER          | F107       | MANUEL-ARRÊT-AUTO > | F128       | RAPIDE                 | F114       |
| ARRÊT D'URGENCE > | F112       | BAS-ARRÊT-HAUT >        | F150       | FREINAGE >      | F105       |                     |            | RÉGLER                 | F198       |
| ARRÊT-MANUEL      | F251       | DEMAR. D-ENTR           | F283       | GAUCHE          | F145       | MANUEL-AUTO >       | F127       | SURCHARGE >            | F254       |
| ARRÊT-MARCHE >    | F165       | DEMAR.-MAN.             | F252       | HAUT            | F129       | MANUEL-HORS-AUTO >  | F157       | VARIATEUR ALIMENTÉ § > | F293       |
| ARRÊT POMPE       | F286       | DÉRIV-ARRÊT-EFN § >     | F294       | HAUT-HORS-BAS > | F131       |                     |            | VIT. ATTEINT           | F281       |
| AUTO              | F101       | DÉRIV ARRÊT § >         | F295       | HORS            | F246       | MARCHE              | F166       | VIT. LENTE             | F287       |
| AUTO-MANUEL >     | F282       | DÉRIV MARCHES § >       | F296       | HORS CIRCUIT    | F244       | —                   | —          | VITESSE                | F291       |
| AVANT             | F120       | DÉRIVATION ALIMENTÉ § > | F292       | HORS-EN >       | F248       | —                   | —          | —                      | —          |

Spanish

| Marking                 | Suffix No. | Marking | Suffix No. | Marking       | Suffix No. | Marking                | Suffix No. | Marking         | Suffix No. |
|-------------------------|------------|---------|------------|---------------|------------|------------------------|------------|-----------------|------------|
| ABRIR                   | S170       | ARRANQÉ | S166       | DERECHA       | S191       | MARCHA                 | S208       | PARADA-MARCHA > | S165       |
| ADELANTE >              | S120       | ATRÁS   | S188       | EN SERVICIO > | S243       | MARCHA-PARADA >        | S211       | PARO            | S163       |
| ADELANTE-ATRÁS >        | S124       | BAJADA  | S152       | IZQUIERDA >   | S145       | PARADA                 | S212       | SUBIDA          | S182       |
| ADELANTE-PARADA-ATRÁS > | S123       | BAJAR   | S110       | MANUAL        | S126       | PARADA DE EMERGENCIA > | S112       | SUBRIR          | S223       |
|                         |            | CERRAR  | S107       | MANUAL-AUTO > | S127       |                        |            | —               | —          |

German

| Marking   | Suffix No. | Marking         | Suffix No. | Marking            | Suffix No. | Marking | Suffix No. | Marking          | Suffix No. |
|-----------|------------|-----------------|------------|--------------------|------------|---------|------------|------------------|------------|
| AB        | G110       | EINRICHTEN >    | G198       | LANGSAM            | G201       | ÖFFNEN  | G170       | VOR              | G120       |
| AUF       | G223       | HAND            | G126       | LINKS              | G145       | RECHTS  | G191       | VOR-AUS-ZURÜCK > | G122       |
| AUS       | G163       | HAND-AUS-AUTO > | G128       | LINKS-RECHTS >     | G146       | SCHNELL | G114       | VOR-ZURÜCK >     | G124       |
| AUS-EIN > | G165       | HAND-AUTO >     | G127       | NIEDRIG            | G148       | SENKEN  | G152       | ZU               | G107       |
| BETRIEB   | G243       | HEBEN           | G182       | NIEDRIG-AUS-HOCH > | G150       | STÖRUNG | G113       | ZURÜCK           | G188       |
| EIN       | G166       | HOCH            | G129       | NOT AUS            | G112       | —       | —          | —                | —          |

Italian

| Marking             | Suffix No. | Marking                  | Suffix No. | Marking       | Suffix No. | Marking               | Suffix No. | Marking          | Suffix No. |
|---------------------|------------|--------------------------|------------|---------------|------------|-----------------------|------------|------------------|------------|
| ABBASSARE >         | T152       | AVANTI-DISINS-INDIETRO > | T122       | DISCESA       | T110       | IN SERVIZIO >         | T243       | MARCIA-ARRESTO > | T211       |
| ALTO                | T129       |                          |            | DISINS-INS >  | T165       | LENTO                 | T201       | PREPARARE >      | T198       |
| APRIRE              | T223       | AVANTI-INDIETRO >        | T124       | DISINSERITO > | T163       | MANUALE               | T126       | RAPIDO           | T114       |
| ARRESTO             | T212       | BASSO                    | T148       | DISTURBO >    | T113       | MANUALE-AUTO >        | T127       | ROTAZIONE CW >   | T246       |
| ARRESTO EMERGENZA > | T112       | BASSO-DISINS-ALTO >      | T150       | EMERGENZA >   | T248       | MANUALE-DISINS-AUTO > | T128       | ROTAZIONE CCW >  | T247       |
|                     |            | DESTRA                   | T191       | INDIETRO >    | T188       |                       |            | SALITA           | T182       |
| AUTOMATICO >        | T101       | CHIUDERE >               | T107       | INSERITO >    | T166       | MARCIA                | T208       | SINISTRA >       | T145       |
| AVANTI              | T120       | —                        | —          | —             | —          | —                     | —          | —                | —          |

Swedish

| Marking | Suffix No. | Marking | Suffix No. | Marking | Suffix No. | Marking | Suffix No. | Marking | Suffix No. |
|---------|------------|---------|------------|---------|------------|---------|------------|---------|------------|
| BACK    | N188       | HÖGER   | N191       | NERN    | 110        | UPP     | N223       | VÄNSTER | N145       |
| FRAM    | N120       | —       | —          | —       | —          | —       | —          | —       | —          |

\* Items in gray shaded table cells only available on legend plates. Not available as laser-engraved text on button caps, illuminated push button diffusers, or pilot light diffusers.

§ Not available on -34 legend plates.

♣ Not available on -35 legend plates.

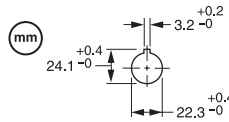
> Not available on -42 legend plates.

# 22.5 mm Push Buttons

## Approximate Dimensions

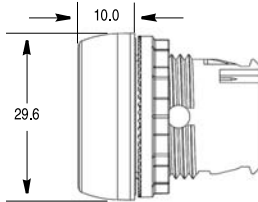
Dimensions in millimeters. Dimensions are not intended to be used for manufacturing purposes. Refer to RAISE software for additional dimensional information.

### Panel Hole Spacing

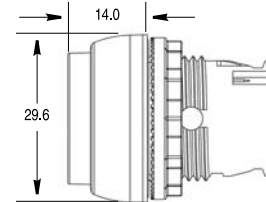


|  |    |    |    |    |       |       |       |    |    |
|--|----|----|----|----|-------|-------|-------|----|----|
|  |    |    |    |    |       |       |       |    |    |
|  |    |    |    |    |       |       |       |    |    |
|  |    |    |    |    |       |       |       |    |    |
|  | 40 | 50 | 40 | 50 | 40/60 | 50/60 |       |    |    |
|  | 30 |    | 48 |    | 40/60 |       | 60/90 |    |    |
|  |    |    |    |    |       |       | 70    | 50 | 40 |
|  |    |    |    |    |       |       | 30    | 50 | 50 |

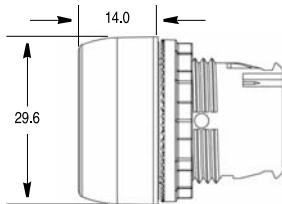
### Non-Illuminated and Illuminated Momentary Flush Push Button Operators



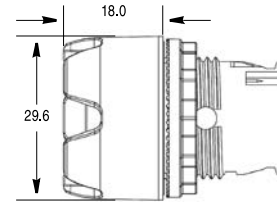
### Illuminated and Non-Illuminated Momentary Extended Push Button Operators



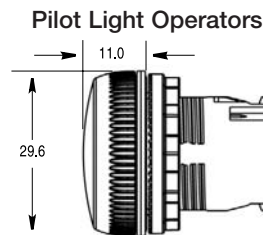
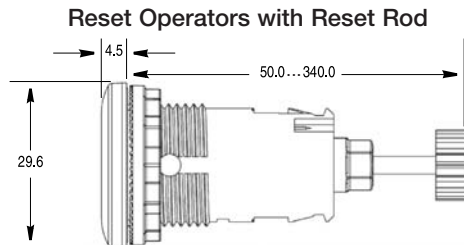
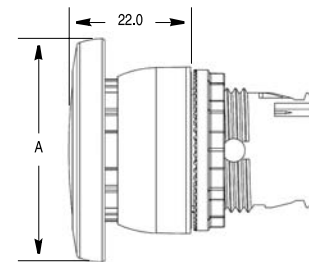
### Non-Illuminated Guarded, Illuminated and Non-Illuminated Alternate Action Push Button Operators



### Illuminated Momentary Guarded Push Button Operators



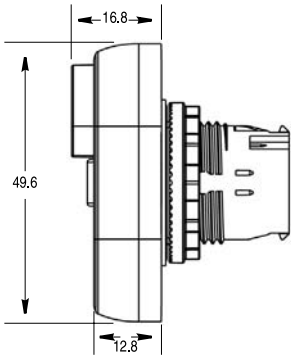
### Illuminated and Non-Illuminated Momentary Mushroom Operators 40 mm and 60 mm



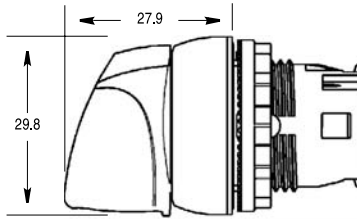
| Operator | A    |
|----------|------|
| 40 mm    | 39.8 |
| 60 mm    | 59.8 |

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

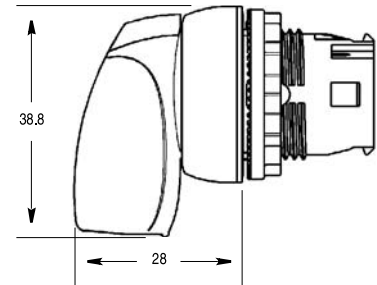
**Illuminated and Non-Illuminated  
 2-Position Multi-Function Operators**



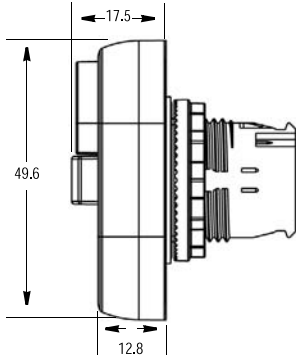
**Illuminated and Non-Illuminated  
 Knob Selector Switch and  
 Potentiometer Operators**



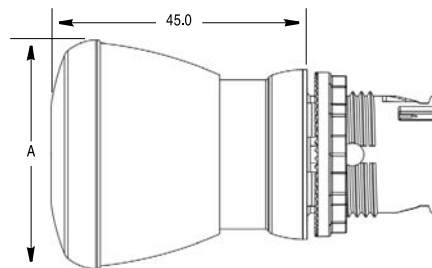
**Non-Illuminated Knob Lever Selector  
 Switch Operators**



**Non-Illuminated 3-Position  
 Multi-Function Operators**

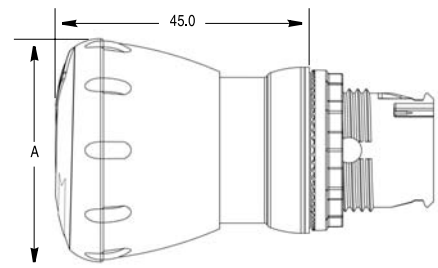


**Illuminated and Non-Illuminated  
 Push-Pull Mushroom Operators  
 30 mm, 40 mm, and 60 mm**



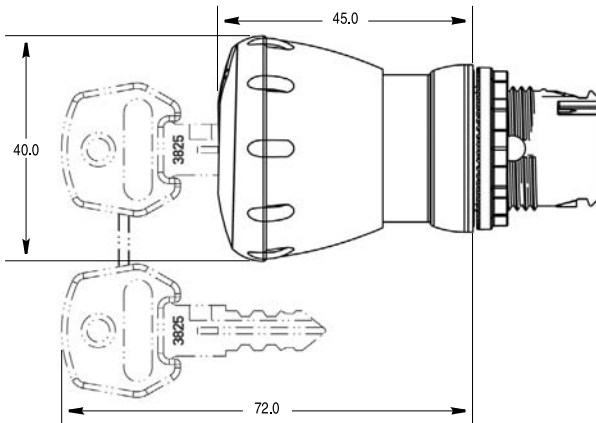
| Operator | A    |
|----------|------|
| 30 mm    | 30.0 |
| 40 mm    | 40.0 |
| 60 mm    | 60.0 |

**Illuminated and Non-Illuminated  
 Twist-to-Release Operators  
 30 mm, 40 mm, and 60 mm**

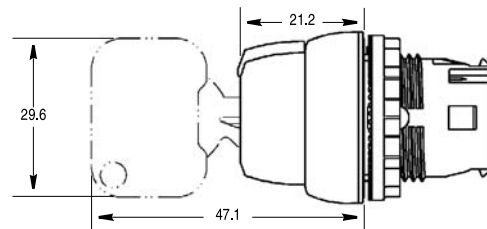


| Operator | A    |
|----------|------|
| 30 mm    | 30.0 |
| 40 mm    | 40.0 |
| 60 mm    | 60.0 |

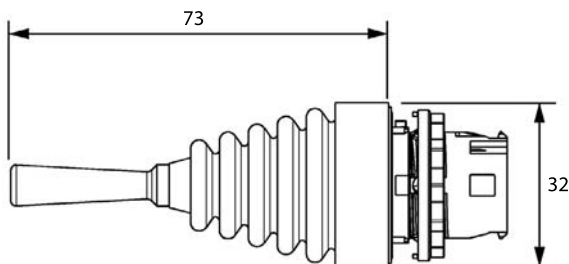
**Mushroom Key Release Operator 40 mm**



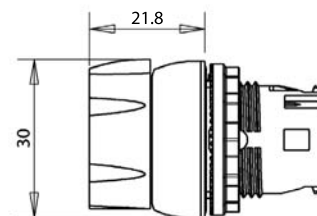
**Key Selector Switch and Key Ejected  
 SensEject Operators**



**Toggle Switch Operators**



**Selector Jog Operators**

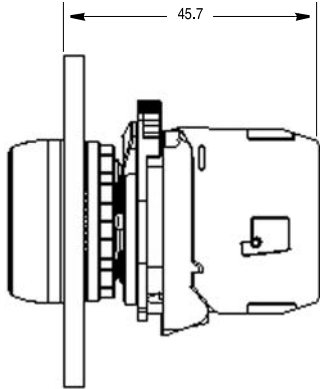


## 22.5 mm Push Buttons

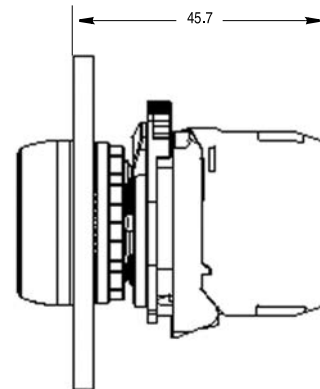
### Approximate Dimensions, Continued

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

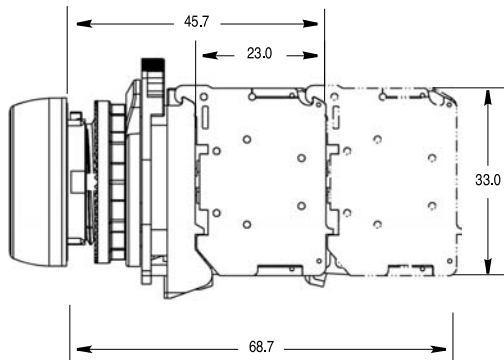
Back-of-Panel Components —  
Incandescent Module with Latch



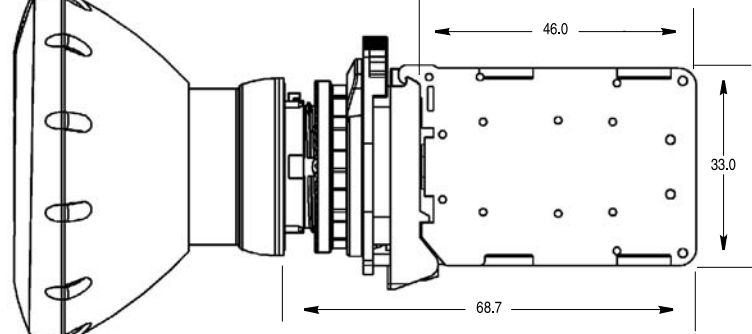
Back-of-Panel Components —  
LED Module with Latch



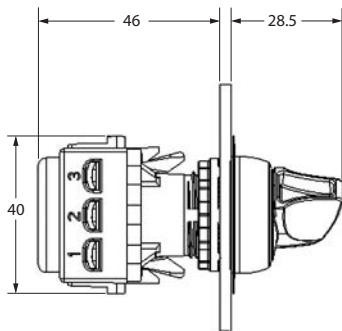
Back-of-Panel Components —  
Contact Cartridges with Latch



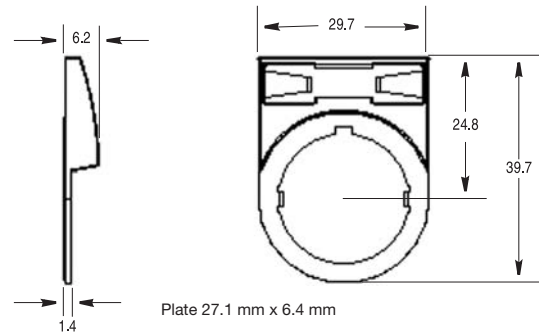
Back-of-Panel Components —  
Dual Circuit Contact Block or  
Self Monitoring Contact Block  
(Max. of 1 Deep)



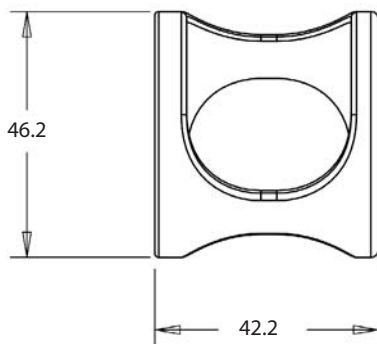
Potentiometer with Resistive Element



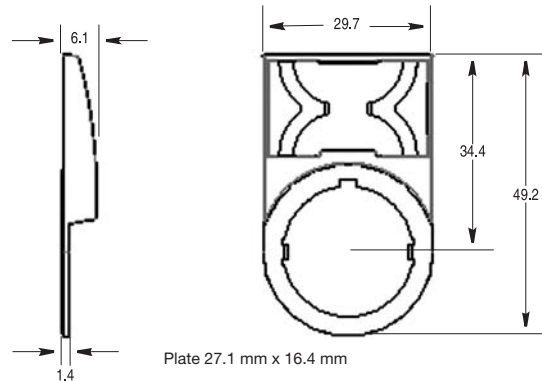
30 x 40 mm Snap-In Legend Plate



Protective Ring

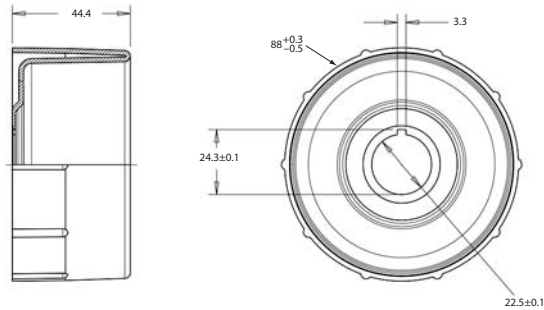


30 x 50 mm Snap-In Legend Plate

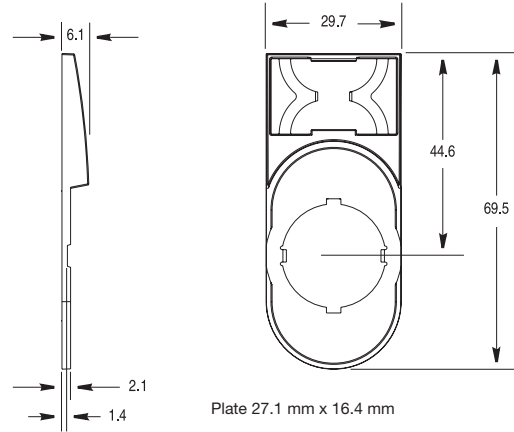


Dimensions in millimeters. Dimensions are not intended to be used for manufacturing purposes.

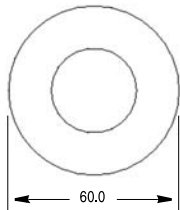
**Plastic Guard**



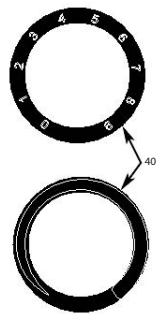
**30 x 60 mm Snap-In Legend Plate**



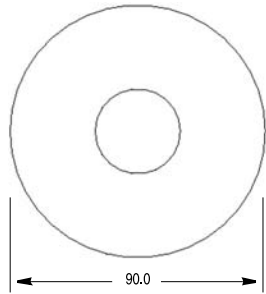
**60 mm Round Legend**



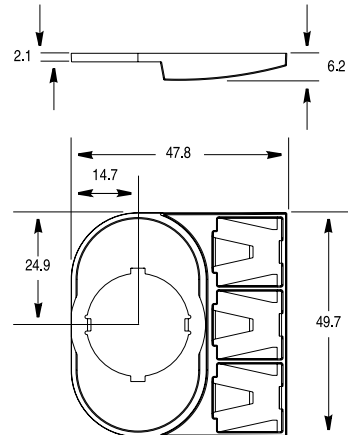
**Potentiometer Legend Plate**



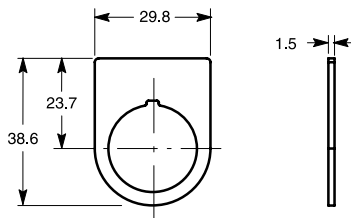
**90 mm Round Legend**



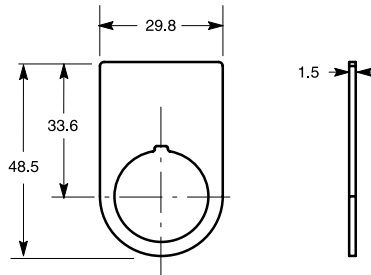
**Special Multi-Function Snap-In Legend Plate**



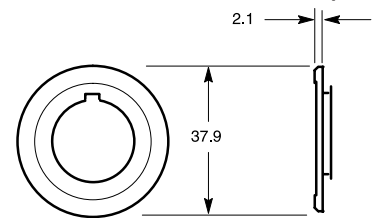
**30 x 40 mm One-Piece Legend Plate**



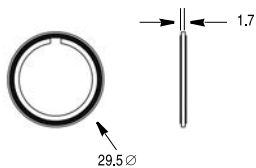
**30 x 50 mm One-Piece Legend Plate**



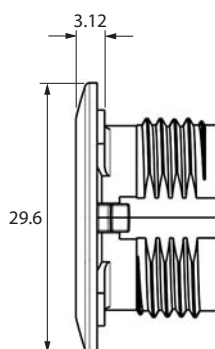
**30 mm to 22.5 mm Hole Adapter**



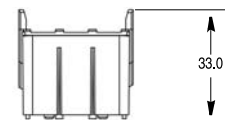
**Trim Washer**



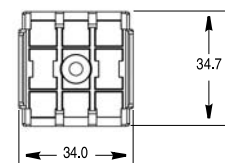
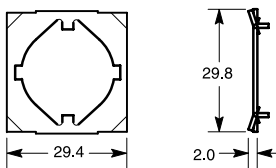
**Hole Plug**



**Base Mount Adapter**



**Anti-Rotation Washer**



Note: Panel thickness range is 1.0...6.0 mm maximum.  
 Panel thickness reduced to 4.5 when optional legend plates are used.

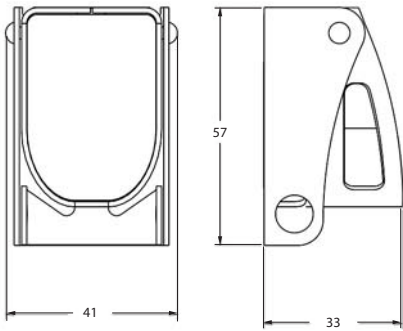


# 22.5 mm Push Buttons

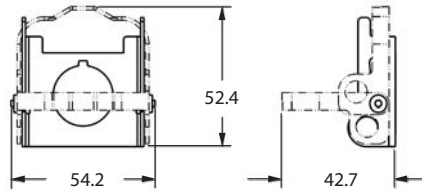
## Approximate Dimensions, Continued

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

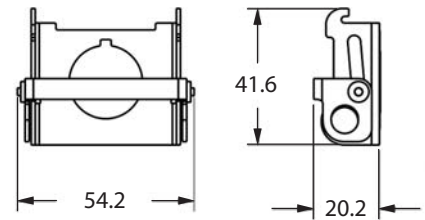
Locking Cover



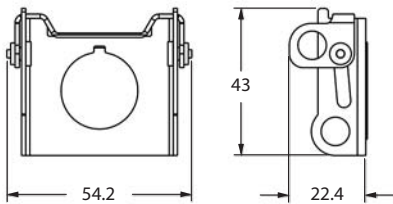
Maintained Mushroom Locking Attachment



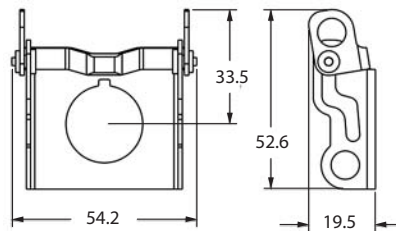
Momentary Mushroom Locking Attachment



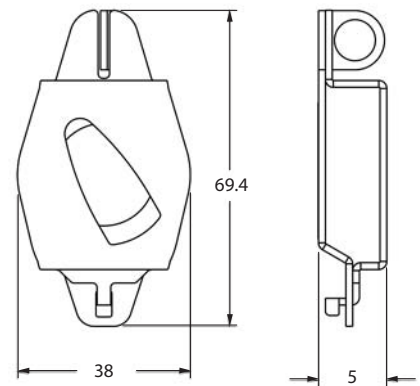
Extended Non-Illuminated Locking Attachment



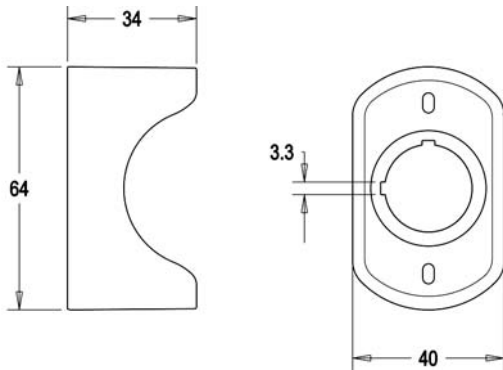
Flush Non-Illuminated Locking Attachment



Selector Switch Locking Cover (Same for all Lock Positions)

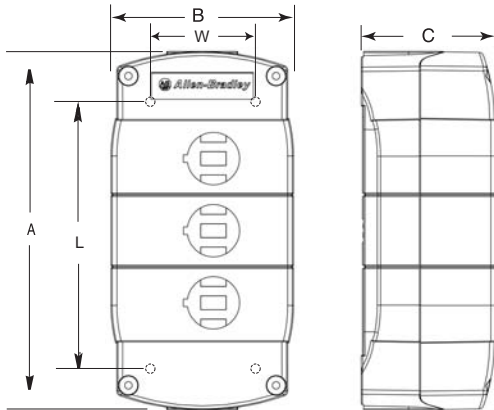


Narrow Guard

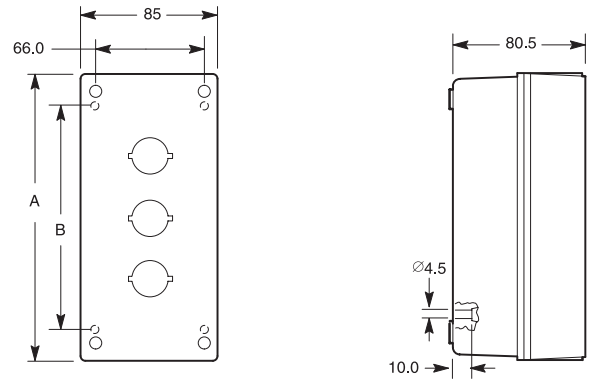


Dimensions in millimeters. Dimensions are not intended to be used for manufacturing purposes.

**Plastic Enclosures** ❄️



**Metal Enclosures**



| Cat. No. | No. of Units (Holes) | A   | B  | C  | Mounting Holes |       |
|----------|----------------------|-----|----|----|----------------|-------|
|          |                      |     |    |    | W              | L     |
| 800F-1P* | 1                    | 85  | 89 | 58 | 58             | 59    |
| 800F-2P* | 2                    | 124 | 79 | 58 | 48             | 102.5 |
| 800F-3P* | 3                    | 155 | 79 | 58 | 48             | 133   |
| 800F-4P* | 4                    | 186 | 79 | 58 | 48             | 164.5 |
| 800F-6P* | 6                    | 248 | 87 | 64 | 55             | 224   |

| Cat. No. | No. of Units (Holes) | A   | B   |
|----------|----------------------|-----|-----|
| 800F-1M* | 1                    | 99  | 62  |
| 800F-2M* | 2                    | 137 | 100 |
| 800F-3M* | 3                    | 174 | 137 |
| 800F-5M* | 5                    | 249 | 212 |

\* P = PG conduit holes or M = Metric conduit holes  
 ❄️ Mounting screw head diameter = 7 mm max. for 1P enclosures

**Pendant Stations**

