

1-Hole Enclosure E-Stop Station



**Cat. No. 800F-1YP4**

| Enclosure Material | Quick Connect     |                           | Operator Type             | Illumination Voltage    | Contact Configuration | Cat. No.      |                  |              |
|--------------------|-------------------|---------------------------|---------------------------|-------------------------|-----------------------|---------------|------------------|--------------|
|                    |                   |                           |                           |                         |                       | PG Knockouts  | Metric Knockouts |              |
| Yellow 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        |              |
|                    |                   |                           | Key Release<br>40 mm      |                         | 1 N.C.                | 800F-1YP4     | 800F-1YM4        |              |
|                    |                   |                           |                           |                         | 1 N.O. / 1 N.C.       | 800F-1YP5     | 800F-1YM5        |              |
|                    |                   |                           |                           |                         | 2 N.C.                | 800F-1YP6     | 800F-1YM6        |              |
|                    |                   |                           | Twist-to-Release<br>60 mm |                         | 2 N.C.                | 800F-1YP7     | —                |              |
|                    |                   |                           |                           |                         | 1 N.O. / 2 N.C.       | 800F-1YP8     | —                |              |
|                    |                   |                           | Twist-to-Release<br>40 mm | 24V AC/DC               | 1 N.C.                | —             | 800F-1YML1       |              |
|                    |                   |                           |                           | 120V AC                 |                       | —             | 800F-1YML2       |              |
|                    |                   |                           |                           | 240V AC                 |                       | —             | 800F-1YML3       |              |
|                    |                   |                           | Red half dome             | Non-illuminated         | 1 N.C.                | 800F-1YP1HD   | 800F-1YM1HD      |              |
|                    |                   |                           |                           |                         | 1 N.O./1 N.C.         | 800F-1YP2HD   | 800F-1YM2HD      |              |
|                    |                   |                           |                           |                         | 2 N.C.                | 800F-1YP3HD   | 800F-1YM3HD      |              |
|                    |                   |                           |                           | 24V AC/DC               | 1 N.C.                | —             | 800F-1YML1HD     |              |
|                    |                   |                           |                           |                         |                       | 120V AC       | —                | 800F-1YML2HD |
|                    |                   |                           |                           |                         |                       | 240V AC       | —                | 800F-1YML3HD |
|                    | AC Micro★         | 5-pin                     | Non-Illuminated           | 2 N.C. —<br>Low voltage | —                     | 800F-1YMQ53V  |                  |              |
|                    |                   | 6-pin                     |                           | 1 N.O. / 2 N.C.         | —                     | 800F-1YMQA    |                  |              |
|                    | DC Micro★         | 4-pin                     | Non-Illuminated/EMO/Guard | 1 N.C.                  | —                     | 800F-NX1      |                  |              |
|                    |                   |                           | Non-Illuminated           | 1 N.C.                  | —                     | 800F-1YMQ1    |                  |              |
|                    |                   |                           |                           | 1 N.O. / 1 N.C.         | —                     | 800F-1YMQ2    |                  |              |
|                    |                   | Twist-to-Release<br>40 mm | Non-Illuminated/EMO/Guard | 2 N.C.                  | —                     | 800F-1YMQ3    |                  |              |
|                    |                   |                           |                           |                         | —                     | 800F-1YMQ3VEG |                  |              |
|                    |                   |                           | Non-Illuminated           | —                       | 800F-1YMQ3V           |               |                  |              |
|                    | Mini Receptacle ★ | 4-pin                     | Non-Illuminated           | 1 N.C.                  | —                     | 800F-1YMQ41   |                  |              |
|                    |                   |                           | 24V AC/DC                 | 1 N.O. / 1 N.C.         | —                     | 800F-1YMQ44   |                  |              |
|                    |                   |                           | 24V AC/DC                 | 1 N.O./1 N.C.           | —                     | 800F-1YMQ4    |                  |              |
|                    |                   | 6-pin                     | 120V AC                   | 1 N.O. / 1 N.C.         | —                     | 800F-1YMQ5    |                  |              |
|                    |                   |                           | 240V AC                   | 1 N.O. / 1 N.C.         | —                     | 800F-1YMQ6    |                  |              |
|                    |                   |                           |                           |                         |                       |               |                  |              |
| Grey Metal         | N/A               |                           | Twist-to-Release<br>40 mm | Non-Illuminated         | 1 N.C.                | —             | 800F-1MM1        |              |
|                    |                   |                           | Twist-to-Release<br>40 mm | Non-Illuminated         | 1 N.O. / 1 N.C.       | —             | 800F-1MM2        |              |
|                    |                   |                           | Twist-to-Release<br>40 mm | Non-Illuminated         | 2 N.C.                | —             | 800F-1MM3        |              |
|                    |                   |                           | Key Release<br>40 mm      | Non-Illuminated         | 1 N.C.                | —             | 800F-1MM4        |              |
|                    |                   |                           | Key Release<br>40 mm      | Non-Illuminated         | 1 N.O. / 1 N.C.       | —             | 800F-1MM5        |              |
|                    |                   |                           | Key Release<br>40 mm      | Non-Illuminated         | 2 N.C.                | —             | 800F-1MM6        |              |
|                    | Mini Receptacle ★ | 6-pin                     | Twist-to-Release<br>40 mm | 24V AC/DC               | 1 N.O./1 N.C.         | —             | 800F-1MYMQ4      |              |
|                    |                   |                           | Twist-to-Release<br>40 mm | 120V AC                 | 1 N.O./1 N.C.         | —             | 800F-1MYMQ5      |              |
|                    |                   |                           | Twist-to-Release<br>40 mm | 240V AC                 | 1 N.O./1 N.C.         | —             | 800F-1MYMQ6      |              |
|                    |                   |                           |                           |                         |                       |               |                  |              |

\* Please reference Assembled Station Pin Out Chart on page 10-126

## Overview, Continued

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

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

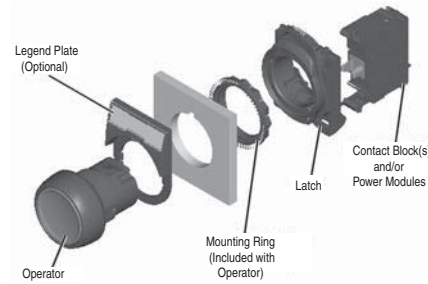


Plastic Latch with Contact Block



Metal Latch with Contact Block

### Assembly Overview



## 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-3 of the Industrial Controls catalog.

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

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

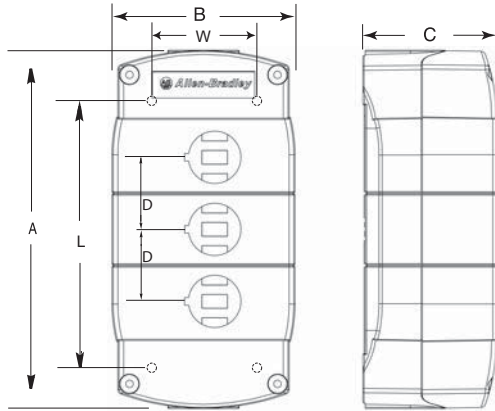
§ Operating temperatures below 0 °C (32 °F) are based on the absence of freezing moisture and liquids, UL Recognized to 55 °C (131 °F) - Incandescent module max. 40 °C (104 °F).

## Product Certifications

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

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

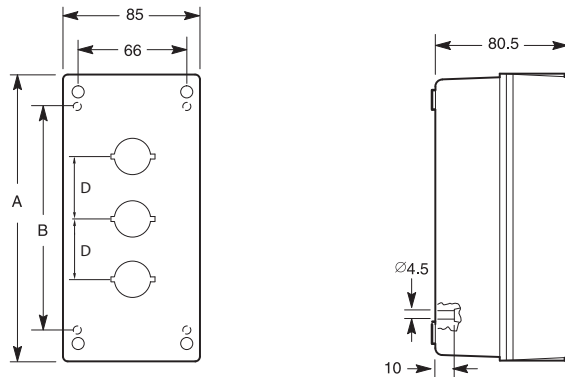
### Plastic Enclosures\*



| Cat. No.  | No. of Holes | A   | B  | C  | D  | Mounting Holes |       |
|-----------|--------------|-----|----|----|----|----------------|-------|
|           |              |     |    |    |    | W              | L     |
| 800F-1P*  | 1            | 85  | 89 | 58 | —  | 58             | 59    |
| 800F-1Y*D |              | 85  | 89 | 74 | —  | 58             | 65    |
| 800F-2P*  | 2            | 124 | 79 | 58 | 31 | 48             | 102.5 |
| 800F-3P*  | 3            | 155 | 79 | 58 | 31 | 48             | 133   |
| 800F-4P*  | 4            | 186 | 79 | 58 | 31 | 48             | 164.5 |
| 800F-6P*  | 6            | 248 | 87 | 64 | 31 | 55             | 224   |

\* Mounting screw — pan head with diameter ≤ 7 mm.

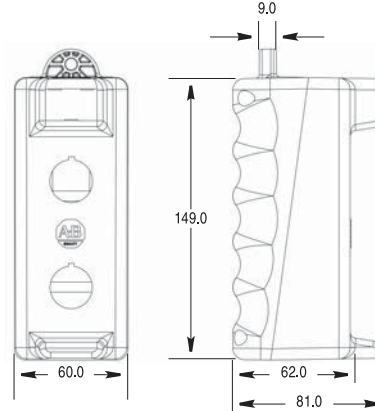
### Metal Enclosures



| Cat. No. | No. of Units (Holes) | A   | B   | D    |
|----------|----------------------|-----|-----|------|
| 800F-1M* | 1                    | 99  | 62  | —    |
| 800F-2M* | 2                    | 137 | 100 | 37.5 |
| 800F-3M* | 3                    | 174 | 137 | 37.5 |
| 800F-5M* | 5                    | 249 | 212 | 37.5 |

\* P = PG conduit holes or M = Metric conduit holes

### Pendant Stations



Note: Cable opening = 21.2 mm diameter

### Instruction Sheet

