DURABILITY

SAFETY

QUALITY

FUNCTIONALITY

The Worldwide Push Button Solution

Selection Guide

Bulletin 800F

A·B QUALITY **Allen-Bradley**

Rockwell Automation

800F
Push Buttons

Allen-Bradley 22 mm 800F Push Buttons meet your specific push button needs.

- Superior Quality Design
- Product Flexibility
- Time and Cost Savings
- Aesthetic Appearance

- Worldwide Acceptability, Support and Delivery
- Reliable Application Solutions

Superior Quality Design

The 800F line is designed and manufactured to meet demanding performance specifications. Using state-of-the-art solid modeling techniques and finite element analysis, each component built into 800F push buttons is optimized for durability and safe performance.

Demanding Environments

Durable operator bushings and locking rings are constructed of die-cast zinc and finished with corrosion-resistant chromate plating.

Corrosive Environments

Operator bushings and locking rings are constructed of industrial grade thermoplastic.

Bushing

Locking Ring
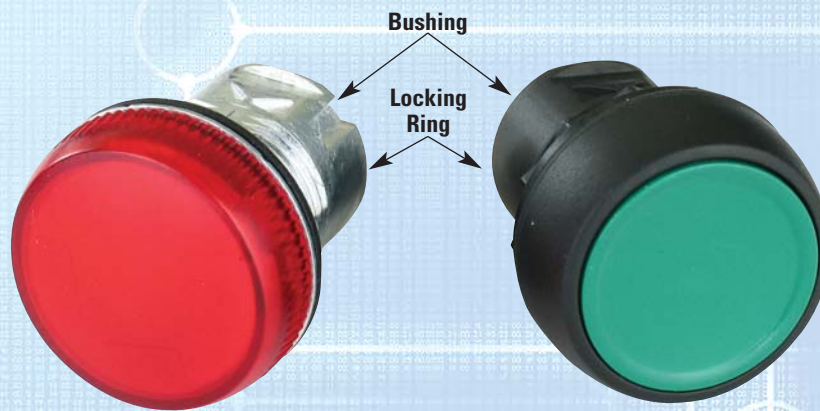
Switching Safety

- Rigid teeth inside all 800F selector switches provide positive detent, which assures they will not hang-up between positions.
- Our constant energy solution adds an additional layer of protection to assure switching safety. Vibration or a slight bump will not cause a change in state.
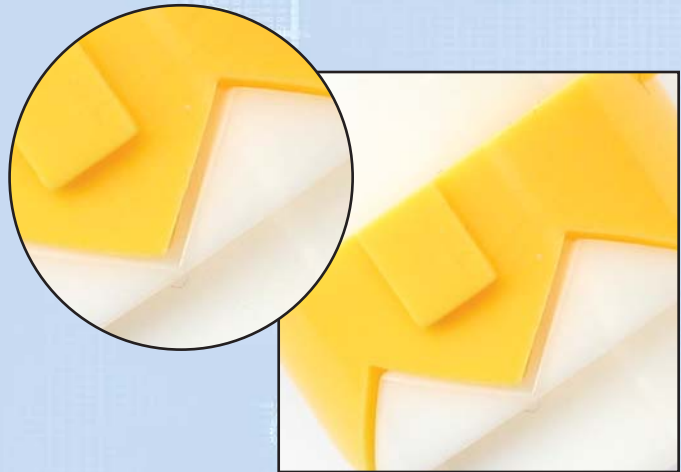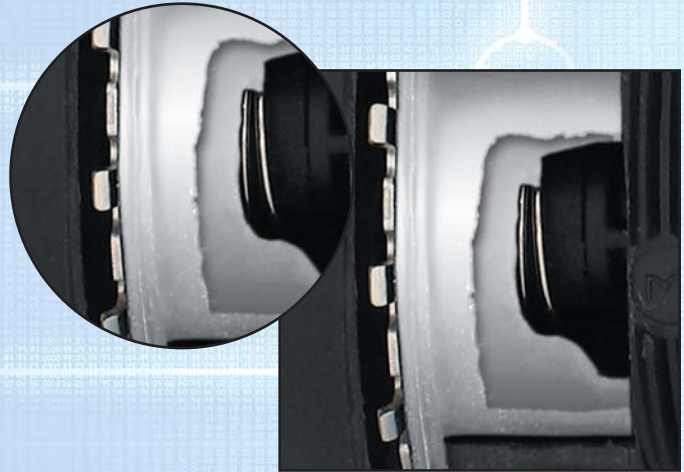
Dependable Sealing

Dependable sealing offers IP65/66 and Type 4/13 ratings throughout the 800F product line.
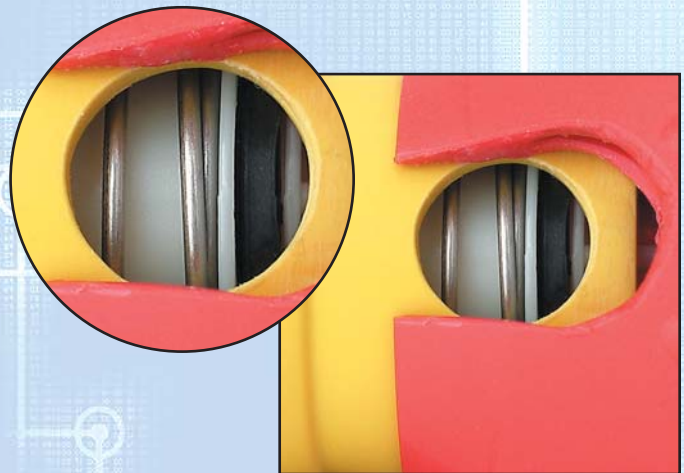
Diaphragm Seals

- Used throughout the 800F line on linear travel devices
- Flexes with the operation of the button
- Not dependent on lubrication for long life and performance

K-Seals

- Used on rotating devices such as twist-to-release E-stops
- Dual wiping action provides high pressure sealing performance while lubrication trapping extends sealing life

Panel Gasket

- Installed on all devices
- Seals both panel and mounting hole for superior performance
- Provides operator retention for one-person installation

Product Flexibility

Modularity

(Component for illuminated devices only)

FP

Plastic Operator

FM

Metal Operator

Plastic Latch

Metal Latch

Integrated LED Module

Contact Block
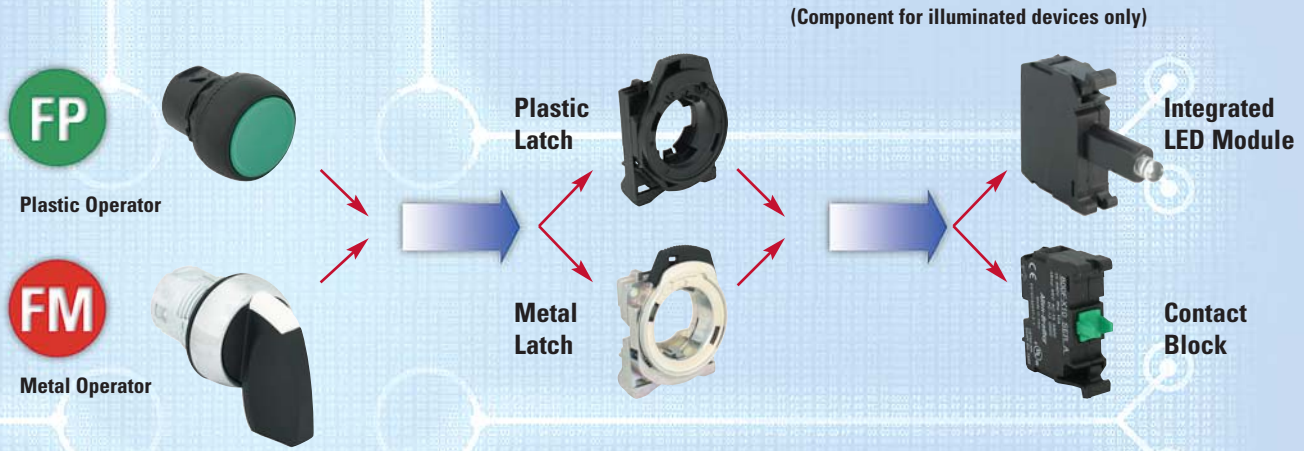
Any Operator + Any Back Of Panel Component = Unparalleled Flexibility

Variety

The combinations of colors, styles and sizes in our operators are almost limitless and certain to meet any application requirement.

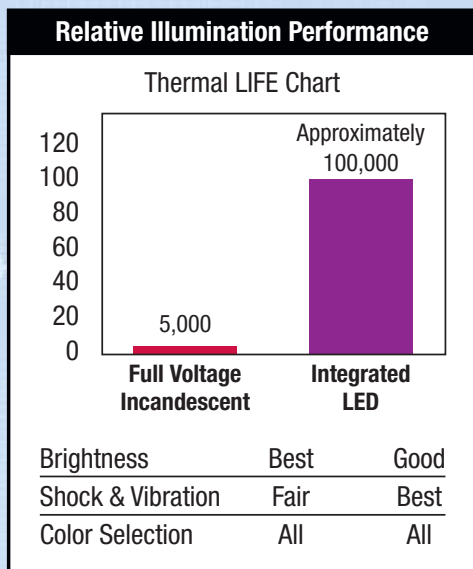**A variety of latch and contact block choices are available to fit both space and use requirements.**

- Spring-clamp or screw terminations
- Single or dual circuit

- Rotating collar allows easy one-hand latch removal
- 30 x 40 mm (1-3/16" x 1-9/16") mounting matrix reduces panel space requirements
- Snap fit, tools not required to attach latch or contact blocks for ease of installation
- Bifurcated contact blocks provide excellent contact wiping and optimal switching reliability
- Color-coded contact block plungers for easy circuit identification

Choose from a large selection of illumination solutions to meet all your application needs. Integrated LED modules are available for all operators in 24V AC/DC, 120V AC and 240V AC. Power modules utilizing incandescent lamps are available for pilot lights, push buttons, and mushroom operators in 6V AC/DC-120V AC.

Relative Illumination Performance

Thermal LIFE Chart

Full Voltage Incandescent: 5,000
Integrated LED: Approximately 100,000

Brightness	Best	Good
Shock & Vibration	Fair	Best
Color Selection	All	All

A variety of accessories is offered ranging from legend plates, to replacement caps and lenses, to grounding kits and anti-rotation washers.

Legend Plates

- Two-piece style allows easy changing of legends, even after panel assembly
- One-piece style features low-tack adhesive to assist the installation process
- E-Stop legends come in two different sizes: 60 and 90 mm diameter
- International symbols, text, and custom markings are available
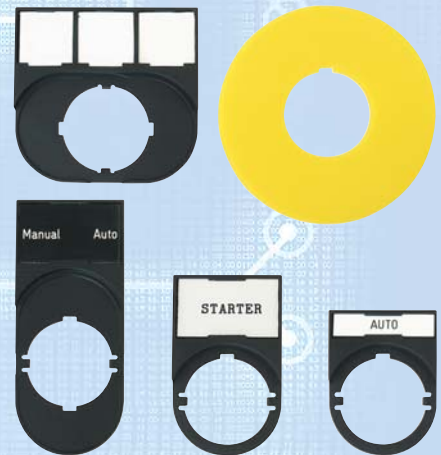
Two-Color Plastic Caps and Custom Laser-Engraved Caps/Diffusers

- Saves space and simplifies installation by eliminating the need for separate legend plates
- Durable and long-lasting
- Laser engraving available for standard or custom text as well custom graphics on pushbutton caps, illuminated pushbutton diffusers, and pilot light diffusers

The 800F product line is completed with a full line of enclosures in both plastic and metal. Enclosures accept either latch or base-mounted contact blocks.

Metal Enclosures

- 1-, 2-, 3-, and 5-hole configurations
- IP66 and Type 4/13 ratings
- PG or Metric through-holes
- Accepts two-piece snap-in legend

Plastic Enclosures

- Available with PG or Metric knockouts enclosures
- IP66 and Type 4/4X/13 ratings
- 1-, 2-, 3-, 4-, and 6-hole configurations
- A 1-hole configuration is also available in yellow for E-stop applications
- Accepts two-piece snap-in legend

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Time and Cost Savings

Rotating collar for easy assembly and removal.

Anti-rotation tab provides accurate alignment and eliminates operator and legend plate rotation. The tab is easily removed for use in panels without notches.

AUTO

Snap-down color-coded contact blocks.

Easy one-person mounting and removal provides both time and cost savings.

Aesthetic Appearance

- Stylish appearance and lower front-of-panel profile designed to enhance equipment appearance
- Operators available with black plastic or shiny metal appearance

Worldwide Acceptability, Support and Delivery

- Designed to meet worldwide standards
- UL Listed, CSA Certified, CE Marked,Third Party Approved: KEMA
- RoHs Directive (Restriction of Hazardous Substances) compliant

- Worldwide product manufacturing, configuration and distribution centers
- Worldwide product sales support

Reliable Application Solutions

QuadCONNECT™ – A Low-Voltage Exclusive

Direct drive contacts are revolutionizing the market for low-voltage switching.
Our quadfurcated contacts feature spanners with four "fingers" on each side of the spanner,
allowing many different possible current paths. Each path can carry the full rated load of the
contact. Contacts include:

Relative Contact Reliability

RELATIVE CIRCUIT RELIABILITY

Quadfurcated Contact

Double Break Bifurcated Contact

Double Break Butt Contact

- Self-cleaning contact wiping for increased contact reliability and life
- No contact bounce between the spanner's "fingers" and the stationary surface it makes contact with
- Operates sequentially, with each finger making contact independently
- A gold-plated spanner to resist corrosion
- Increased communication reliability in ContolLogix®, SLC™, and MicroLogix™ devices
- Recommended for applications below 17V, 5mA down to 5V, 1mA

Self-Monitoring™ Contact Blocks Enhance E-Stop Reliability

Proper contact block installation is critical to ensure that the normally closed contacts will open when the E-Stop is actuated.
Separation of the contact blocks from the E-Stop operator will prevent the E-Stop from shutting down the controlled process
in an emergency. The following dangerous scenarios could result in contact block separation:

- Contact block or latch is incorrectly assembled to the E-Stop operator.
- Contact block or latch is accidentally damaged during maintenance.
- Contact block or latch is removed during maintenance and not reinstalled.

The self-monitoring contact block eliminates these separation concerns by
actually monitoring its own installation. If the self-monitoring contact blocks are
separated from the E-Stop operators for any reason, they will open the circuit
and the process will shut down.

Emergency Stops

Reliability where it is needed most

When activated, E-Stops are designed to instantly cut off power to any operating equipment. Our E-Stops and contact blocks have been tested and certified by a European Testing Agency to meet the EN 418 and EN 60947-5-5 standards.

Additionally, our E-Stops provide the required anti-tease feature (Trigger action) that latches in the emergency stop command and then switches the contact state to open the circuit and shut down the equipment. E-Stops may be used with standard NC contact blocks, NCLB contact blocks, or Self-Monitoring contact blocks (SMCBs).

Bulletin 800F Plastic and Metal Operators

• 22.5 mm Mounting Hole
• IP65/66 Type 4/4X/13
• Internationally Rated Operators

Table of Contents

See below.

TABLE OF CONTENTS

Bulletin 800FP Plastic Operators

• Type 4/4X/13, IP65/66
• Engineering grade thermoplastics
• Chemical-resistant for harsh environments

800FP Plastic Operators

Bulletin 800FM Metal Operators

• Type 4/13, IP65/66
• Die-cast metal construction
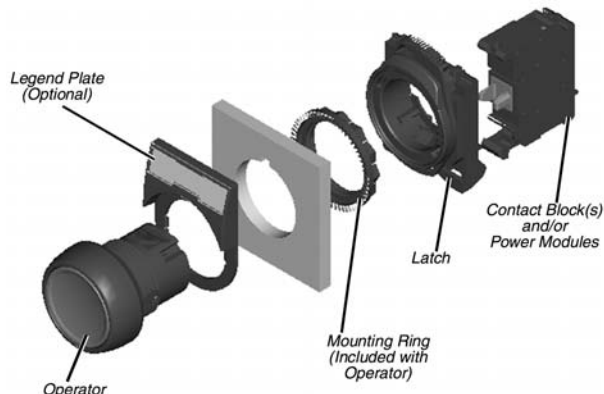• Chrome-plated

800FM Die-Cast Metal Operators

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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

Plastic Latch with Contact Block   *Metal Latch with Contact Block*

Specifications∗

Front-of-Panel (Operators)

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

∗ Performance Data — see page Important-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	✓

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Electrical Ratings	
Standard contact block ratings	A600, Q600 600V AC 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. C300, R150, AC 15, DC 13 to EN 60947-5-1 and UL 508

	Nominal Voltage	Range	Current Draw	Frequency
LED Module Ratings	24V AC 24V DC 120V AC 240V AC	10…29V AC 10…30V DC 70…132V AC 180…264V AC	31 mA 24 mA 25 mA 22 mA	50/60 Hz DC 50/60 Hz 50/60 Hz

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 mm²) Max. (2) #14 AWG or (1) #12 AWG	
Wire capacity (spring-clamp terminal)	#18…14 AWG (0.75…1.5 mm²)	
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 — positive opening
	N.O.E.M.	Double break / double make, early make
	N.C.L.B.	Double break / double make, late break — positive opening
	N.C.E.B.	Double break / double make, early break — positive opening
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 Red Yellow Blue White	525 nm 629 nm 590 nm 470 nm —
LED Luminous Intensity	Green Red Yellow Blue White	890 mcd 890 mcd 690 mcd 193 mcd 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 mm²) may not hold in terminal securely.

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

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Components

Operator Style	Description	Color	Construction	Cat. No.	Pkg. Quantity
	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	
Flush Operator, Cat. No. 800FP-F3	Non-Illuminated, Extended Push Button	Red		800FM-E4	
	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	
Flush Operator, Cat. No. 800FM-LF4	Illuminated, Flush Push Button	Yellow		800FM-LF5	
	Diffused Pilot Light	Green	Plastic	800FP-P3	1
		Red		800FP-P4	
		Yellow		800FP-P5	
		Green	Metal	800FM-P3	
		Red		800FM-P4	
Diffused Pilot Light, Cat. No. 800FP-P7		Yellow		800FM-P5	
	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	
Selector Switch, Cat. No. 800FP-SM32	Non-Illuminated, 3-Position, Spring Return from Both Positions Selector Switch			800FM-SB32	
	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	
40 mm Trigger Action Twist-to-Release Mushroom Cat. No. 800FP-MT44	Non-Illuminated, 40 mm Push-Pull Maintained Mushroom			800FM-MP44	

Back of Panel	Description			Cat. No.	Pkg. Quantity
	Metal Latch			800F-ALM	10
	Plastic Latch			800F-ALP	
	Normally Open Contact Block			800F-X10	
	Normally Closed Contact Block			800F-X01	
	Integrated LED Module with Plastic Latch — Red LED			800F-PNxR*	1
	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*	
Power Module with Latch Cat. No. 800F-MN3G	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.

Complete Units∗

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

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

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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.			
		—	1	Plastic Operator / Plastic Latch	800FP-MT44PX01S	
		—	1	Metal Operator / Metal Latch	800FM-MT44MX01S	
	Twist-to-Release	1	1	Plastic Operator / Plastic Latch	800FP-MT44PX11S	1
		1	1	Metal Operator / Metal Latch	800FM-MT44MX11S	

Cat. No. 800FP-MT44PX01S

※ 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
	24V AC/DC	Green		800FP-P3PN3G	
		Red		800FP-P4PN3R	
		Yellow		800FP-P5PN3Y	
		Blue		800FP-P6PN3B	
		White		800FP-P7PN3W	
	120V AC	Green		800FP-P3PN5G	
		Red		800FP-P4PN5R	
		Yellow	Plastic Operator / Plastic Latch	800FP-P5PN5Y	1
		Blue		800FP-P6PN5B	
		White		800FP-P7PN5W	
	240V AC	Green		800FP-P3PN7G	
		Red		800FP-P4PN7R	
		Yellow		800FP-P5PN7Y	
		Blue		800FP-P6PN7B	
		White		800FP-P7PN7W	

Cat. No. 800FP-P7PN3W

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

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	
Green	800FP-F3	800FM-F3	800FP-E3	800FM-E3	1
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
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.

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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	–	–	
		I	800FP-F306	800FM-F306	–	–	
Red	White	STOP	800FP-F402	800FM-F402	800FP-E402	800FM-E402	1
		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)

b

Operator Type	
Code	Description
F	Flush
E	Extended
G	Guarded

c

Color Cap	
Code	Color
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

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.

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	
Red	800FP-LF4	800FM-LF4	800FP-LE4	800FM-LE4	1
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)

b

Operator Type	
Code	Description
LF	Flush
LE	Extended
LG	Guarded

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

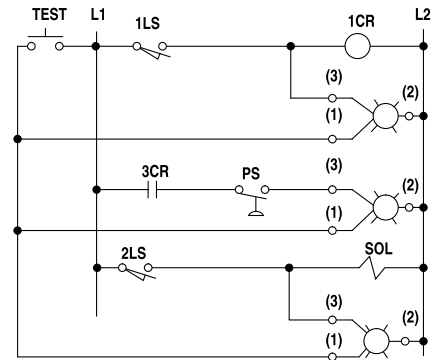### Push-to-Test Push Button Device Schematic

Illuminated push buttons may be wired as a push-to-test device by using the following schematic.
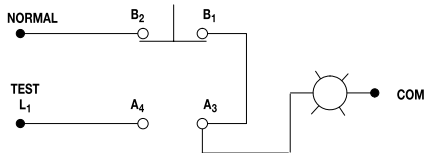
Dual Input Pilot Light Diode Type Device Schematic
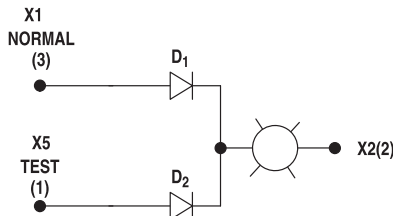
Dual Input Pilot Light Typical Application Wiring Diagram

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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)

∗ 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.

b

Operator Type∗	
Code	Description
FA	Non-illuminated, Flush, Alternate Action

c

Color Cap❄	
Code	Color
0	Amber
1	White
2	Black
3	Green
4	Red
5	Yellow
6	Blue
9	No cap
X	Assortment pack

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)

§ 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.

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

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	
Red	800FP-P4	800FM-P4	1
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 page 60.

Allen-Bradley

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

	Operator Type		Standard Knob		
			Plastic	Metal	
Color			Cat. No.	Cat. No.	Pkg. Quantity
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)
L2	Spring return from left (60° switching angle)
R2	Spring return from right (60° switching angle)

d

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

e

Orientation	
Code	Description
Blank	Standard
N	90° offset‡

f

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 800F enclosures.

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

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

❈ LED module required for illumination, can not use incondescent 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.

c

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

d

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

e

Orientation	
Code	Description
Blank	Standard
N	90° offset‡

f

Packaging	
Code	Description
Blank	1 per package
BP	10 per package

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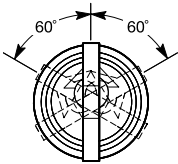## 3-Position Selector Switch Operators, Non-Illuminated

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	
N.O.	Right	O	O	X	
N.O.	Center	X	O	X	
N.O.	Center CL‡	X	O	O	
N.O.	Center CR‡	O	O	X	
N.C.	Left	O	X	X	
N.C.	Right	X	X	O	
N.C.	Center	O	X	O	
N.C.	Center CL‡	O	X	X	
N.C.	Center CR‡	X	X	O	

Note: X = Closed/O = Open

Color	Operator Type		Standard Knob		Knob Lever		Pkg. Quantity
	↖ ↑ ↗		Plastic	Metal	Plastic	Metal	
			Cat. No.	Cat. No.	Cat. No.	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 ↓
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
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 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.
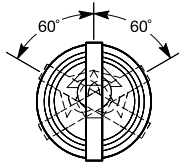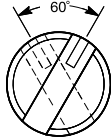
3-Position Selector Switch Operators, Illuminated

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
N.O.	Right	O	O	X
N.C.	Left	O	X	X
N.C.	Right	X	X	O

Note: X = Closed/O = Open

Operator Type	Green		Red		Yellow		
	Plastic	Metal	Plastic	Metal	Plastic	Metal	
	Cat. No.	Cat. No.	Cat. No.	Cat. No.	Cat. No.	Cat. No.	Pkg. Quantity
	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

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.

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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
N.O.	Right	X	O	O	O
N.O.	Center	X	O	X	O
N.O.	Center CL	O	O	X	O
N.O.	Center CR	X	O	O	O
N.C.E.B.	Left	O	O	O	X
N.C.E.B.	Right	O	X	O	O
N.C.E.B.	Center CL	O	O	O	X
N.C.E.B.	Center CR	O	X	O	O
N.C.L.B.	Left	X	X	O	X
N.C.L.B.	Right	O	X	X	X
N.C.L.B.	Center	O	X	O	X
N.C.L.B.	Center CL	X	X	O	X
N.C.L.B.	Center CR	O	X	X	X

Note: X = Closed/O = Open

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

800F	P	–	S	M4	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
M4	Maintained ⌄⌄

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.

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22.5 mm Push Buttons

2-Position Key Operated Selector Switches, Non-Illuminated

Key Selector Switch
Cat. No. 800FP-KM21R

Switching Angle

60°

Contact Type	Target Table and Operator Position∗	
	(symbol)	(symbol)
N.O.	O	X
N.C.	X	O

Note: X = Closed/O = Open

Key Removal Position	Operator Type		Key Selector Switch Operators		Pkg. Quantity
	(symbol)	(symbol)	Plastic	Metal	
			Cat. No.	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

Master Key System   **Key Code**

3801
3802
3803
3804
3805
3806
3825

800F-AKR3910

800F-AKR3901

4001
4002
4003
4004
4005
4006
4007

800F-AKR3920

No Master Key   455

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.

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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
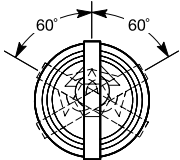
60° 60°

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

Note: X = Closed/O = Open

Key Removal Position	Operator Position			Key Selector Switch Operators		Pkg. Quantity
				Plastic	Metal	
				Cat. No.	Cat. No.	
Left				800FP-KM31	800FM-KM31	
All				800FP-KM33	800FM-KM33	1
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)

b

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

c

Key Removal Position∗	
Code	Type
1	Left
3	All
4	Center
5	Left/center

d

See page 28 for optional key codes❉‡§

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.

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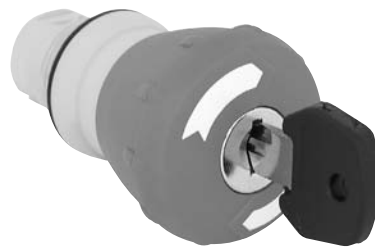
40 mm Non-Illuminated Key Release
Cat. No. 800FP-MK44

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.

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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

800F **P** – **MT4** **4** ☐ – ____
    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	
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
4	Red

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).

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

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; 40 mm versions have white arrows.

Allen-Bradley

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.

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

Operator Function	Operator Type	Color	Cat. No.	Pkg. Quantity
Momentary Out, Maintained Center, Momentary In	Illuminated❋	Amber‡	800FM-LMM40-E3	1
		Green	800FM-LMM43-E3	
		Red	800FM-LMM44-E3	
		Blue‡	800FM-LMM46-E3	
		Clear‡	800FM-LMM47-E3	
	Non-Illuminated	Black§	800FM-MM42-E3	
		Green	800FM-MM43-E3	
		Red	800FM-MM44-E3	
Momentary Out, Maintained Center, Maintained In	Illuminated❋	Amber‡	800FM-LMP40-E3	1
		Green	800FM-LMP43-E3	
		Red	800FM-LMP44-E3	
		Blue‡	800FM-LMP46-E3	
		Clear‡	800FM-LMP47-E3	
	Non-Illuminated	Black§	800FM-MP42-E3	
		Green	800FM-MP43-E3	
		Red	800FM-MP44-E3	

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.

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Momentary Push Button Operators, Non-Illuminated — Mushroom∗

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

*40 mm Mushroom
Cat. No. 800FM-MM42*

	40 mm Mushroom		
	Plastic	Metal	
Color	Cat. No.	Cat. No.	Pkg. Quantity
Black	800FP-MM42	800FM-MM42	
Green	800FP-MM43	800FM-MM43	1
Red	800FP-MM44	800FM-MM44	
Yellow	800FP-MM45	800FM-MM45	

```
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.

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	
Red	800FP-LMM44	800FM-LMM44	1
Yellow	800FP-LMM45	800FM-LMM45	

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)

b

Size and Operator Type	
Mushroom	
Code	Type
LMM 4	40 mm momentary

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

∗ Momentary mushroom operators are IP65 rated.

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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** – ___ **(with button caps)**
    a   *b*   *c*   *d*   *e*   *f*   *g*

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

Position C
Position A
＊

a

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

b

Operator Type	
Code	Description
U2	Two-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
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
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

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:

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

2-Function Momentary Multi-Operator, Illuminated∗

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

Position A			Position B	Position C			Plastic	
Color	Type	Text	Type	Color	Type	Text	Cat. No.	Pkg. Quantity
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
```
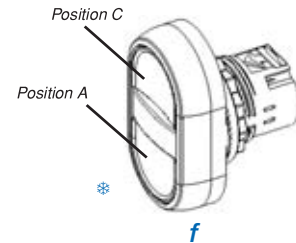
Position C
Position A
❋

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

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
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

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:

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

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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.
Color	Type	Text	Color	Type	Text	Color	Type	Text	Cat. No.	Quantity
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*
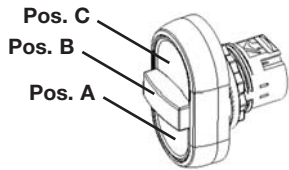
Pos. C
Pos. B
Pos. A

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

22.5 mm Push Buttons

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)

∗ 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.

b

Operator Type	
Code	Type
R	Reset∗❊

c

Color Cap	
Code	Color
1	White
2	Black
6	Blue

d

Legend Text	
Code	Text
Blank	No text
11	R

e

Packaging	
Code	Description
Blank	1 per package
BP	10 per package

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.

Visit our website: www.ab.com/catalogs

Allen-Bradley

Single Turn Potentiometer Assembly∗❋

*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
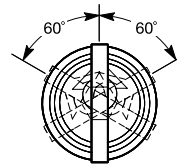
3-Position Switching Angle

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

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

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.

Allen-Bradley

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

```
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.

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	Yellow 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.

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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	Yellow 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.

Back-of-Panel Components, Continued
Other

	Description	Cat. No.	Pkg. Quantity
Metal Mounting Latch These are zinc-plated, metal die cast mounting latches. **Note:** Sold only in multiples of 10. Order (quantity of) 10 to receive one package of 10 pieces.		800F-ALM	10
Note: Sold only in multiples of 100. Order (quantity of) 100 to receive one package of 100 pieces.		800F-ALM-BP	100
Plastic Mounting Latch **Note:** Sold only in multiples of 10. Order (quantity of) 10 to receive one package of 10 pieces.		800F-ALP	10
Note: Sold only in multiples of 100. Order (quantity of) 100 to receive one package of 100 pieces.		800F-ALP-BP	100
Ground Screws These are self-tapping #6-32 (M3.5) ground screws for metal latches. **Note:** Sold only in multiples of 10. Order (quantity of) 10 to receive one package of 10 pieces.		800F-AGS1	10
Stab Terminals Can be used with all single circuit contact blocks. Minimum spacing requirements apply. See instruction sheet for details. **Note:** Sold only in multiples of 100. Order (quantity of) 100 to receive one package of 100 pieces.		800F-ATK2	100

Cat. No. 800F-ALM

Cat. No. 800F-ALP

Cat. No. 800F-AGS1

Cat. No. 800F-ATK2

Description	Contact Type	Cat. No.	Pkg. Quantity
Contact Block **Note:** Sold only in multiples of 10. Order (quantity of) 10 to receive one package of 10 pieces.	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	
Note: 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	

Cat. No. 800F-X10

∗ Only for use with 4-position selector switch, 4-position toggle switch, or 3-position push-pull operator.
❋ Cannot stack.

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Back of Panel Components, Continued

Other

	Description	Volts	Cat. No.		Pkg. Quantity
Cat. No. 800F-D3C	**Incandescent Module** For use with pilot lights, push buttons, and momentary mushroom operators. **Note:** Sold in multiples of 10. Order (quantity of) 10 to receive one package of 10 pieces. Latch not included.	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		
Cat. No. 800F-N3G	**Integrated LED Module** For use with all illuminated devices. For best results, LED should match lens color. For amber operators, use yellow LED. **Note:** 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/DC spring-clamp	∗	800F-Q5x	
		240V AC/DC spring-clamp	∗	800F-Q7x	
Cat. No. 800F-XD7	**Diode Module** For lamp checking circuits.	up to 250V AC	800F-XD7		10
	Null Block For wire terminations only.	up to 600V AC	800F-NX70		

	Description	Contact Material	Cat. No.	Pkg. Quantity
Cat. No. 800F-BX01	**Base Mounted Contact Block** Base mounted contact blocks can be used in plastic or metal enclosures. **Note:** Sold only in multiples of 10. Order (quantity of) 10 to receive one package of 10 pieces.	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
Cat. No. 800F-BN3R	**Base Mounted Integrated LED Module** Base mounted modules can be used in plastic or metal enclosures. For best illumination results, LED should match lens color. **Note:** Sold in multiples of 10. Order (quantity of) 10 to receive one package of 10 pieces.	24V AC/DC	∗	800F-BN3x	10
		120V AC	∗	800F-BN5x	
		240V AC	∗	800F-BN7x	
		24V AC/DC spring-clamp	∗	800F-BQ3x	
		120V AC/DC spring-clamp	∗	800F-BQ5x	
		240V AC/DC spring-clamp	∗	800F-BQ7x	

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

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.

	Enclosures				
	Plastic (IP66, 4/4X)∗		Metal — Die Cast (IP66, 4/13)❋		
	PG Knockouts	Metric Knockouts	PG Conduit Openings	Metric Conduit Openings	
Type	Cat. No.	Cat. No.	Cat. No.	Cat. No.	Pkg. Quantity
1 hole	800F-1PP	800F-1PM	800F-1MP	800F-1MM	
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	—	—	1
5 hole	—	—	800F-5MP	800F-5MM	
6 hole	800F-6PP	800F-6PM	—	—	
1 hole (yellow)	800F-1YP	800F-1YM	800F-1MYP	800F-1MYM	

∗ Can only use single deep contact block.
❋ Can stack contact blocks two deep or one dual circuit contact block.

	Knockout/Conduit Openings for Enclosures			
	Plastic		Metal	
	PG	Metric	PG	Metric
Type	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	—	—

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

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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	Knockout Type	Operator Type	Illumination Voltage	Contact Configuration	Cat. No.
Plastic	N/A	PG	Twist-to-Release 40 mm	Non-Illuminated	1 N.C.	800F-1YP1
					1 N.O. / 1 N.C.	800F-1YP2
					2 N.C.	800F-1YP3
			Key Release 40 mm		1 N.C.	800F-1YP4
					1 N.O. / 1 N.C.	800F-1YP5
					2 N.C.	800F-1YP6
			Twist-to-Release 60 mm		2 N.C.	800F-1YP7
		Metric	Twist-to-Release 40 mm		1 N.C.	800F-1YM1
					1 N.O. / 1 N.C.	800F-1YM2
					2 N.C.	800F-1YM3
			Key Release 40 mm		1 N.C.	800F-1YM4
					1 N.O. / 1 N.C.	800F-1YM5
					2 N.C.	800F-1YM6
	Micro-QD		Twist-to-Release 40 mm	24V AC/DC	1 N.C.	800F-1YML1
				120V AC		800F-1YML2
				240V AC		800F-1YML3
				Non-Illuminated	1 N.C.	800F-1YMQ1
					1 N.O. / 1 N.C.	800F-1YMQ2
					2 N.C.	800F-1YMQ3
				24V AC/DC	1 N.O. / 1 N.C.	800F-1YMQ4
				120V AC		800F-1YMQ5
Metal	Mini Receptacle			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	Knockout Type	Operator Type	Illumination Voltage	Contact Configuration	Cat. No.
Metal	N/A	Metric	Twist-to-Release 40 mm	Non-Illuminated	1 N.C.	800F-1MM1
					1 N.O. / 1 N.C.	800F-1MM2
					2 N.C.	800F-1MM3
			Key Release 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	Knockout Type	Operator Type	Illumination Voltage	Contact Configuration	Cat. No.
1-Hole Plastic	N/A	PG	Black Push Button	Non-Illuminated	1 N.O.	800F-1PP1
			"0-1" 2-Position Selector Switch		1 N.O.	800F-1PP2
			↔ (Flush Black)		1 N.O.	800F-1PP4
2-Hole Plastic			Start and Stop Push Buttons		1 N.O./1 N.C.	800F-2PP1
3-Hole Plastic			↑ (Flush Black) O (Extended Red) ↓ (Flush Black)		4 N.O./1 N.C.	800F-3PP1

Assembled Stations with DeviceNet

2-Hole

800F –

a	b	c	d	c	d	e
		(Hole 1 c+d)		(Hole 2 c+d)		

3-Hole

800F –

a	b	c	d	c	d	c	d	e
		(Hole 1 c+d)		(Hole 2 c+d)		(Hole 3 c+d)		

4-Hole

800F –

a	b	c	d	c	d	c	d	c	d	e
		(Hole 1 c+d)		(Hole 2 c+d)		(Hole 3 c+d)		(Hole 4 c+d)		
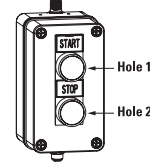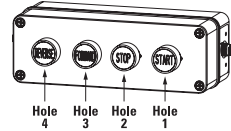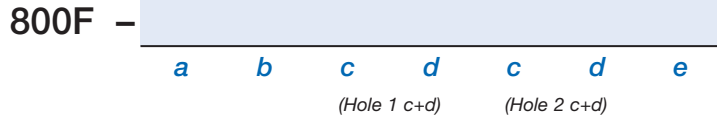
4-Hole Assembled Station
Cat. No. 800F-VHA3A4J3J4J
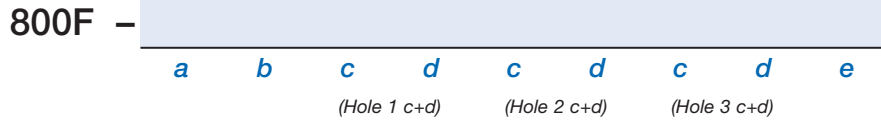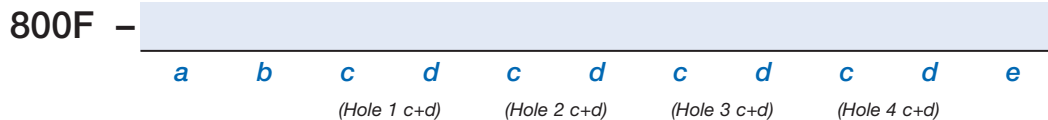
a

	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
Q	Non-Illuminated Flush Alternate Action
R	Non-Illuminated 40 mm Mushroom
T	E-Stop Key Release‡
U	Potentiometer§
V	Illuminated Flush Alternate Action
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.

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Pendant Stations*

Pendant Station
Cat. No. 800F-PN2

Type	Pendants Yellow Plastic (IP66, 4/4X/13) Cat. No.	Pkg. Quantity
1 hole in face	800F-P15	
2 holes in face	800F-P25	1
1 hole in bottom	800F-P35	
1 hole in face / 1 hole in bottom	800F-P45	
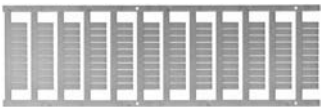
DeviceNet Pendant Station with Mini Quick Disconnect Connector	
Cat. No.	Options
800F-PND2	Green Flush PB in Face, Red Pilot Light in Bottom; 24V DC

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; Red Pilot Light in Bottom with 1 N.O. Contact; 24V AC/DC
800F-P251	Black Flush (with "Up" Text) with 1 N.O. Contact; Black Flush (with "Down" Text) with 1 N.O. Contact
800F-P252	Black Flush (with "Forward" Text) with 1 N.O. Contact; Black Flush (with "Reverse" Text) with 1 N.O. Contact
800F-P253	Black Flush (with "On" Text) with 1 N.O. Contact; Black Flush (with "Off" Text) with 1 N.C. Contact
800F-P254	Green Flush (with "Start" Text) with 1 N.O. Contact; 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.

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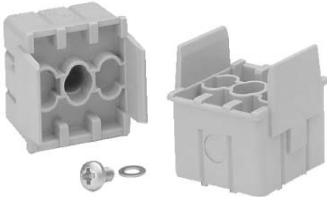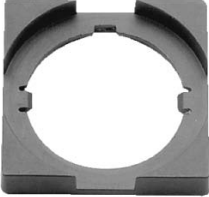
Miscellaneous

	Description	Type	Cat. No.	Pkg. Quantity
	30.5 mm to 22.5 mm Hole Size Adapter This adapter allows a 22.5 mm push button operator to be installed in a panel with existing 30.5 mm mounting holes. **Note:** Comes with anti-rotation washer (800F-ALC1).	Metal	800F-AHA1	1
Cat. No. 800F-AHA1	**Quick Disconnect** This is a male receptacle for pendant stations.	4-pin	888N-M4AF1-1F	
Cat. No. 888N-M4AF1-1F		5-pin	888N-M5AF1-1F	

	Description	Material	Cat. No.	Pkg. Quantity
	Replacement Mounting Rings **Note:** 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
Cat. No. 800F-ARP		Metal	800F-ARM	

	Description	Cat. No.	Pkg. Quantity
Cat. No. 800F-AW2	**Mounting Ring Wrench** This mounting ring wrench is used to tighten plastic or metal mounting rings quickly and securely.	800F-AW2	1
Cat. No. 800F-ALR1	**Bulb Removal Tool** This item provides an extra ani-rotation feature for rotary operators such as selector switches. **Note:** Sold only in multiples of 10. Order (quantity of) 10 to receive one package of 10 pieces.	800F-ALR1	
Cat. No. 800F-ALC1	**Locking Washer (Anti-Rotation Washer)** This item provides an extra anti-rotation feature for rotary operators such as selector switches. **Note:** Sold only in multiples of 10. Order (quantity of) 10 to receive one package of 10 pieces.	800F-ALC1	10
Cat. No. 1492-MS5X9	**Snap-In Marker** This item can be used for circuit identification on all back-of-panel components.	*	—

* See Terminal Block section for ordering information.

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Miscellaneous, Continued

	Description	Cat. No.	Pkg. Quantity
Ground Screws This accessory is used for grounding on Bulletin 800F plastic enclosures only. **Note:** Sold only in multiples of 10. Order (quantity of)10 to receive one package of 10 pieces. *Cat. No. 800F-AGS2*		800F-AGS2	10

Description	Key No. (Std)	Cat. No.	Pkg. Quantity
Replacement Ronis Key Standard replacement key is Cat. No. 800F-AKR3825. *Cat. No. 800F-AKR3825*	3825	800F-AKR3825	1❋
	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
Cat. No. 800F-ATW1	**Replacement Trim Washer** This accessory comes standard with all enclosures. It must be utilized if using base-mounted contact blocks/power modules without legend plates.	800F-ATW1	
Cat. No. 800F-A3BA	**Replacement Base Mount Adapter** 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‡
Cat. No. 800F-ABZ1	**Square Bezel** 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.

Miscellaneous, Continued

	Description	Material	Cat. No.	Pkg. Quantity
Cat. No. 800F-ABJS	**Replacement Boot** for Toggle Switch	Silicone	800F-ABJS	1
		Nitrile	800F-ABJN	
Cat. No. 800F-N2	**Hole Plug** used to plug 22.5mm holes.	Black Plastic	800F-N2	
		Gray Plastic	800F-N8	
Cat. No. 800F-30WN	**Potentiometer Legend Plate** scale 1-10 **Note:** Sold in multiples of 10. Order (quantity of) 10 to received one package of 10 pieces.	—	800F-30WN	10
Cat. No. 800F-30WG	**Potentiometer Legend Plate** graphical scale **Note:** Sold in multiples of 10. Order (quantity of) 10 to received one package of 10 pieces.	—	800F-30WG	

	Description	Resistance	Cat. No.	Pkg. Quantity
Cat. No. 800F-AC1	**Replacement Resistive Elements** for the 800FP Potentiometer operator.	150Ω	800F-AC1	1
		500Ω	800F-AC2	
		1000Ω	800F-AC3	
		2500Ω	800F-AC4	
		5000Ω	800F-AC5	
		10000Ω	800F-AC6	
Cat. No. 800F-ACP	**Selector Switch Tabs** Changes functionality of selector switch from normal to CenterLeft or CenterRight.	—	800F-ACP	10

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Locking Attachments

	Description	Type	Cat. No.	Pkg. Quantity
Cat. No. 800F-AFL1		Flush Momentary, Non-Illuminated	800F-AFL1	
Cat. No. 800F-AEL1	**Locking Attachments** are used to lock Push Button in the depressed position. -N.C. contacts are open -N.O. contacts may or may not be open -N.C.L.B. contacts may or may not be closed -N.O.E.M contacts are closed	Extended Momentary, Non-Illuminated	800F-AEL1	1
Cat. No. 800F-AML1		Momentary Mushroom	800F-AML1	
Cat. No. 800F-AML2		Maintained Mushroom	800F-AML2	

	Description	Lock Position	Cat. No.	Pkg. Quantity
Cat. No. 800F-ASL2L	**Selector Switch Locking Attachment** Locks standard knob selector switch in specified position	2-Position Selector Switches, Left Lock	800F-ASL2L	
		3-Position Selector Switches, Center Lock	800F-ASL3C	1
Cat. No. 800F-ASL23A	**Selector Switch Locking Attachment** 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
Cat. No. 800F-AL01	**Locking Cover** Used on Flush, Extended and Guarded Momentary and Alternate Action Operators, and Standard Knob Selector Switch Operators.	—	800F-AL01	1

Guards

Description	Type	Cat. No.	Pkg. Quantity
Cat. No. 800F-AMRG **Protective Ring** 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	
Cat. No. 800F-A6PR5 **Plastic Guard** for use with the following operators: -40 mm E-Stop (SEMI Standards Compliant); -40 mm Illuminated/Non-Illuminated Alternate Action and Momentary operators; -60 mm Illuminated/Non-Illuminated Momentary operators; -Selector Switches; -Potentiometer; -Key Operated Selector Switches	Yellow, Round	800F-A6PR5	
Cat. No. 800F-AMEGY **Narrow Plastic Guard** for use with the following operators: -Illuminated and non-illuminated momentary mushroom operators (40 mm) only; -800FD Monolithic E-Stops; -Flush/Extended/Guarded Push Buttons; -Alternative Action Operators (SEMI standards compliant); -Selector Switches (standard knob and key operated); -Potentiometers	Yellow	800F-AMEGY	
Cat. No. 800F-AMMG **40 mm Protective Guard** used with illuminated and non-illuminated momentary mushroom operators (40 mm) only.	Shiny Metal	800F-AMMG	
Protective Boots Clear Silicone **Protective Boot** used on Illuminated and Non-Illuminated, flush and extended operators. **Note:** 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
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	
Cat. No. 800F-N240	Neon	22 mA	240V AC	—	800F-N240	
	LED	14 mA/48 mA	6V AC/DC	—	‡ 800T-N318x	
		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.

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

Accessory Color Caps (without Text)

	Color	Color Caps, Non-Illuminated∗			Pkg. Quantity
		Momentary Extended	Momentary Flush/Guarded	Alternate Action Flush	
	Color	Cat. No.	Cat. No.	Cat. No.	
	Amber	800F-AE0	800F-AF0	800F-AFA0	
	White	800F-AE1	800F-AF1	800F-AFA1	
	Black	800F-AE2	800F-AF2	800F-AFA2	
	Green	800F-AE3	800F-AF3	800F-AFA3	10
	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	Color Caps, Non-Illuminated∗		Pkg. Quantity
		Flush	Extended	
	Color	Cat. No.	Cat. No.	
	White	800F-AFU1	800F-AEU1	
	Black	800F-AFU2	800F-AEU2	
	Green	800F-AFU3	800F-AEU3	10
	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	
	Green	800F-ALF3	800F-ALE3	800F-AP3	
	Red	800F-ALF4	800F-ALE4	800F-AP4	10
	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		Pkg. Quantity
	Description	Cat. No.	
	Illuminated Push Buttons — Flush	800F-AD2	
Cat. No. 800F-AD3	Pilot Lights	800F-AD3	10
	Illuminated Push Buttons — Extended, Guarded	800F-AD4	

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

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	NØDSTOPP, EMERGENCY STOP
A112	NØDSTOP
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.

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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.

	No. of Characters		
Font Size	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.

	Type of Legend Plate							
	One-Piece			Two-Piece			Special Multi-Function	
	Max. Char. per Line	Max. No. of Lines		Max. Char. per Line	Max. No. of Lines		Max. Char. per Line	Max. No. of Lines
Font Size		30 x 40 mm	30 x 50 mm		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♣

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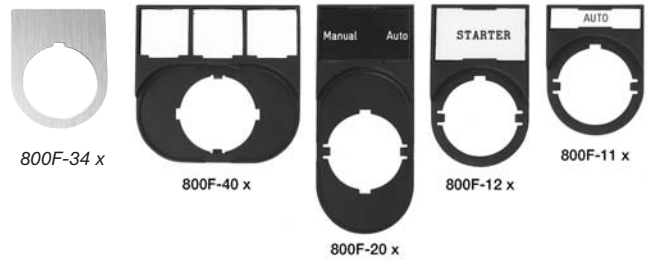
Type	Description	Cat. No. (Blank)	Cat. No. (with Text Symbols)
30 x 40 mm 2-piece snap-in plate and frame	Red with White Text	800F-11RE100	800F-11R❑❑❑❑
	White with Black Text	800F-11WE100	800F-11W❑❑❑❑
	Black with White Text	800F-11BE100	800F-11B❑❑❑❑
	Aluminum with Black Text	800F-11AE100	800F-11A❑❑❑❑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

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

Position C
Position A
Multi-Function Cap Positions
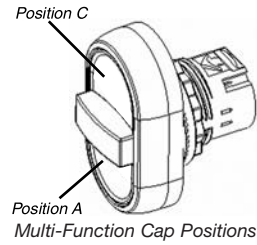
Push Button, Multi-Function Caps

800F – A F 1 C
a   b

a

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)

b

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

Pilot Light Diffuser

800F – AD3C

Illuminated Push Button Diffusers

800F – AD2C **(Flush or Alternate Action)**

800F – AD4C **(Extended and Guarded)**

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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
←-O-	—►	—	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	O	STOP	ISO 70	U910
0-1-2	—►	—	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
ı	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	4	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 -42 legend plates.
‡ Not available on -12, -18, or -20 legend plates.
♣ Not available on -35 legend plates.

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 -35 legend plates.

§ Not available on -34 legend plates.

► Not available on -42 legend plates.

Allen-Bradley

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	OUVRIR	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-ARRÉT-EFN§♣►	F294	HAUT-HORS-BAS►	F131			VIT. ATTEINT	F281
AUTO	F101	DÉRIV ARRÉT§♣►	F295	HORS	F246	MARCHE	F166	VIT. LENTE	F287
AUTO-MANUAL►	F282	DÉRIV MARCHE§♣►	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	SUBIR	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.
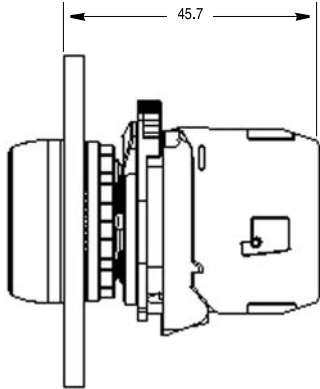
► Not available on -42 legend plates.

22.5 mm Push Buttons
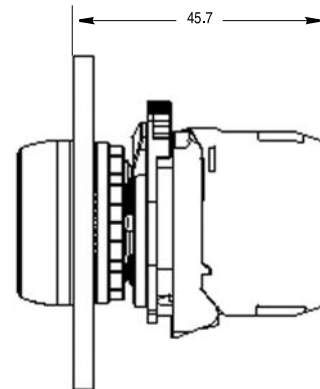## Approximate Dimensions

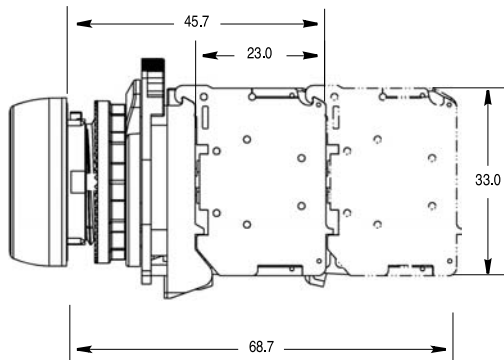Dimensions in millimeters. Dimensions are not intended to be used for manufacturing purposes. Refer to RAISE software for additional dimensional information.

Panel Hole Spacing

mm

3.2 +0.2 −0
24.1 +0.4 −0
22.3 +0.4 −0

40	50	40	50	40 / 60	50 / 60		70	50	40
30		48		40 / 60		60 / 90	30	50	50
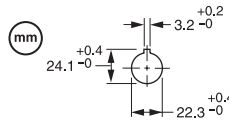
∅40 ∅60

EMERGENCY STOP ∅60, ∅90

Non-Illuminated and Illuminated Momentary Flush Push Button Operators

10.0
29.6
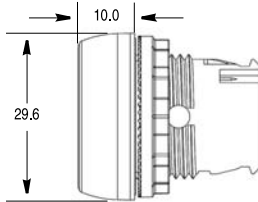
Illuminated and Non-Illuminated Momentary Extended Push Button Operators

14.0
29.6
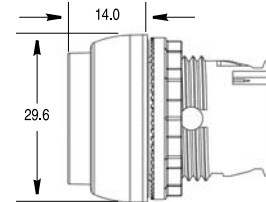
Non-Illuminated Guarded, Illuminated and Non-Illuminated Alternate Action Push Button Operators

14.0
29.6
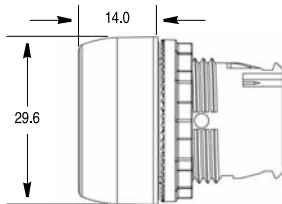
Illuminated Momentary Guarded Push Button Operators

18.0
29.6

Reset Operators with Reset Rod

4.5
50.0…340.0
29.6

Pilot Light Operators

11.0
29.6
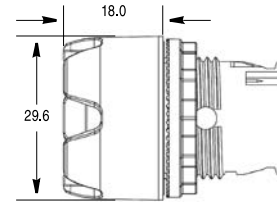
Illuminated and Non-Illuminated Momentary Mushroom Operators 40 mm and 60 mm

22.0
A
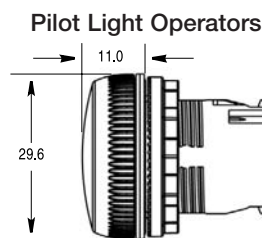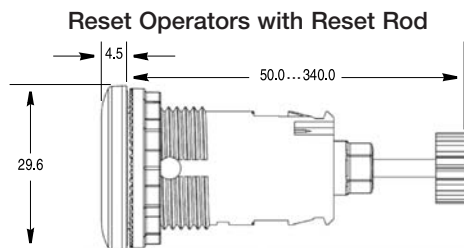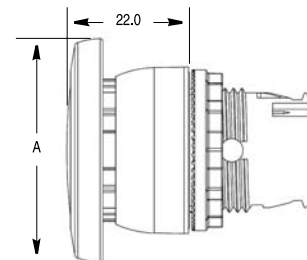
Operator	A
40 mm	39.8
60 mm	59.8

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

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

16.8
49.6
12.8
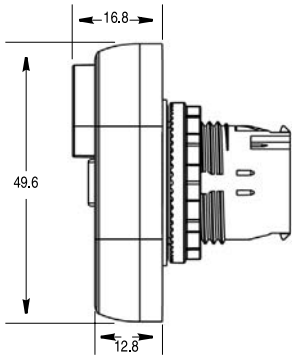
Illuminated and Non-Illuminated Knob Selector Switch and Potentiometer Operators

27.9
29.8
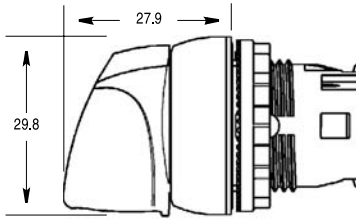
Non-Illuminated Knob Lever Selector Switch Operators

38.8
28
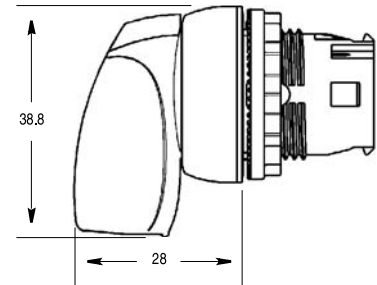
Non-Illuminated 3-Position Multi-Function Operators

17.5
49.6
12.8
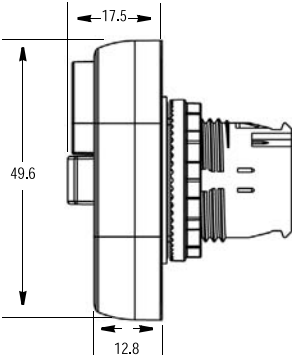
Illuminated and Non-Illuminated Push-Pull Mushroom Operators 30 mm, 40 mm, and 60 mm

45.0
A
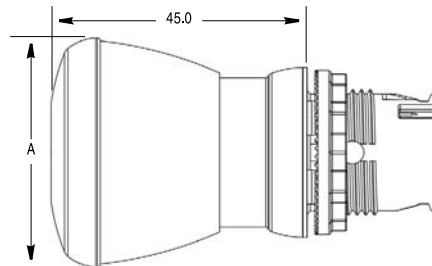
Operator	A
30 mm	30.0
40 mm	40.0
60 mm	60.0

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

45.0
A
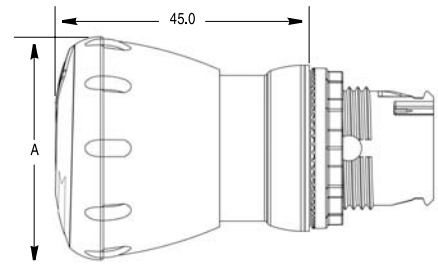
Operator	A
30 mm	30.0
40 mm	40.0
60 mm	60.0

Mushroom Key Release Operator 40 mm

45.0
40.0
3825
3825
72.0
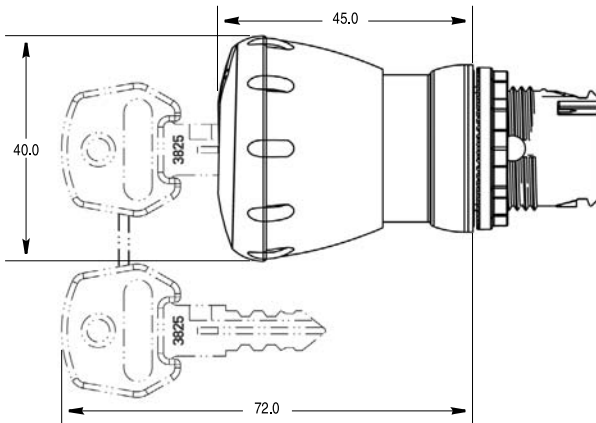
Key Selector Switch and Key Ejected SensEject Operators

21.2
29.6
47.1

Toggle Switch Operators

73
32
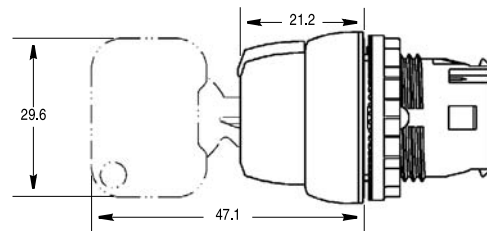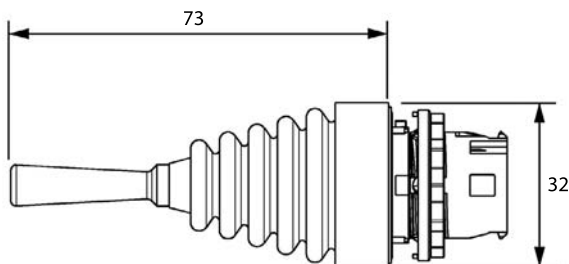
Selector Jog Operators

21.8
30

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

Back-of-Panel Components — Incandescent Module with Latch

45.7

Back-of-Panel Components — LED Module with Latch

45.7

Back-of-Panel Components — Contact Cartridges with Latch

45.7
23.0
33.0
68.7

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

46.0
33.0
68.7
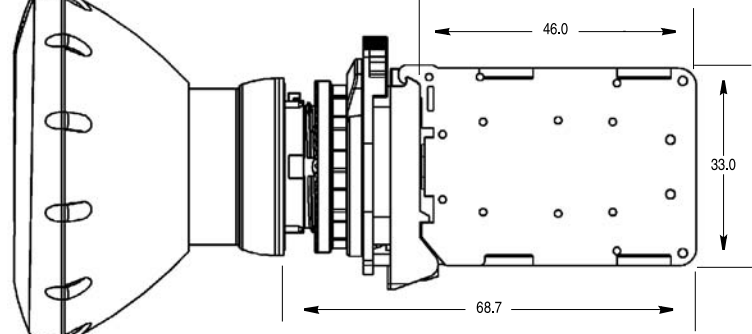
Potentiometer with Resistive Element
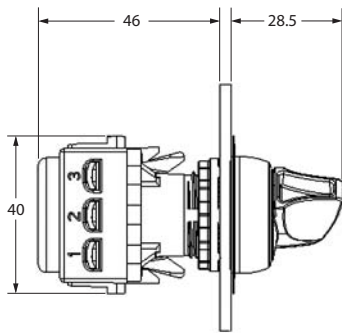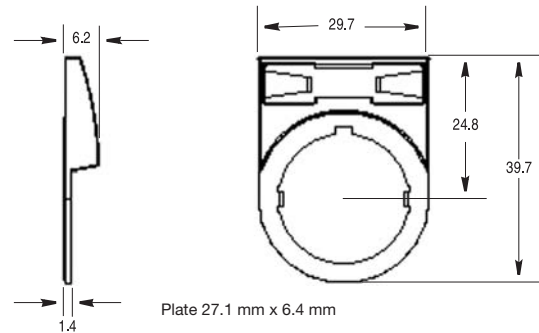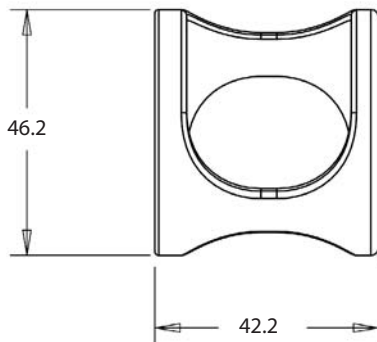
46
28.5
40

30 x 40 mm Snap-In Legend Plate

6.2
29.7
24.8
39.7
1.4
Plate 27.1 mm x 6.4 mm

Protective Ring

46.2
42.2

30 x 50 mm Snap-In Legend Plate

6.1
29.7
34.4
49.2
1.4
Plate 27.1 mm x 16.4 mm

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

Plastic Guard

44.4

3.3

88 +0.3 −0.5

24.3±0.1

22.5±0.1

60 mm Round Legend

60.0

90 mm Round Legend

90.0

Potentiometer Legend Plate

40

1.4
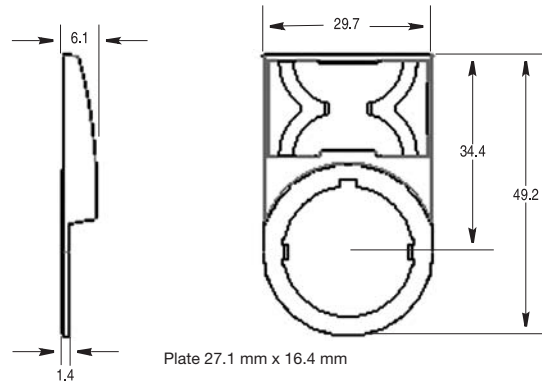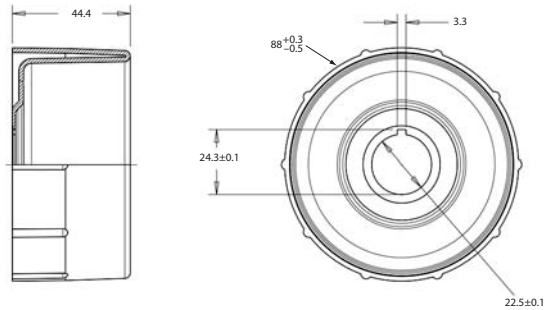
30 x 60 mm Snap-In Legend Plate

6.1

29.7

44.6

69.5

2.1

1.4

Plate 27.1 mm x 16.4 mm
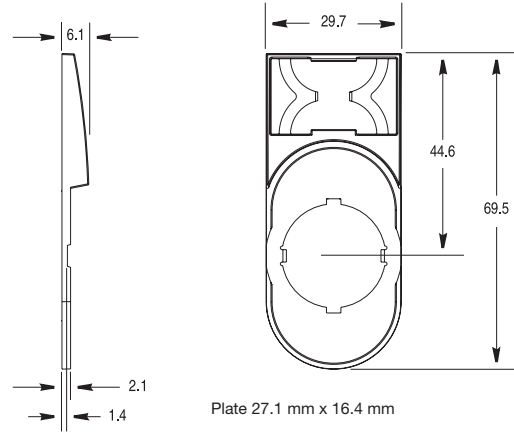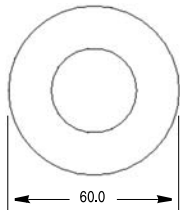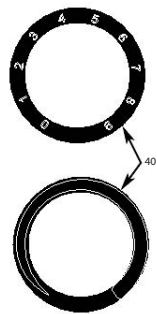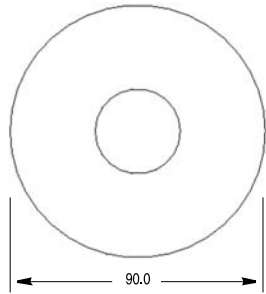
Special Multi-Function Snap-In Legend Plate

2.1

6.2

47.8

14.7

24.9

49.7
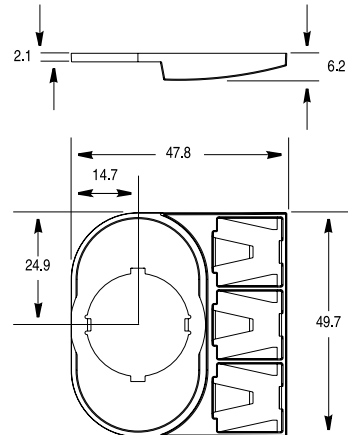
30 x 40 mm One-Piece Legend Plate

29.8

23.7

38.6

1.5
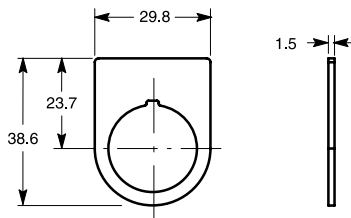
30 x 50 mm One-Piece Legend Plate

29.8

33.6

48.5

1.5
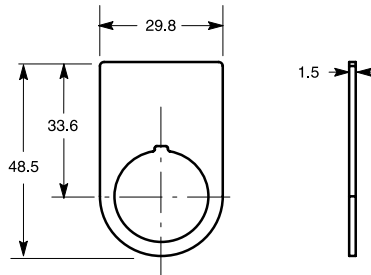
30 mm to 22.5 mm Hole Adapter

2.1

37.9

Trim Washer

1.7

29.5 ∅

Hole Plug

3.12

29.6

Base Mount Adapter

33.0

34.7

34.0

Anti-Rotation Washer

29.8

29.4

2.0
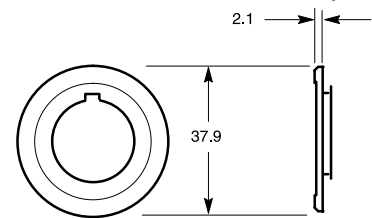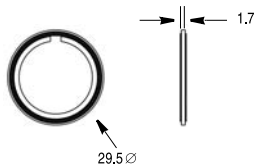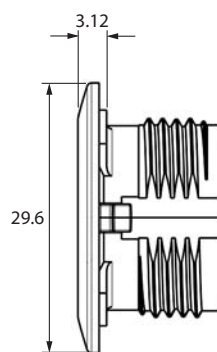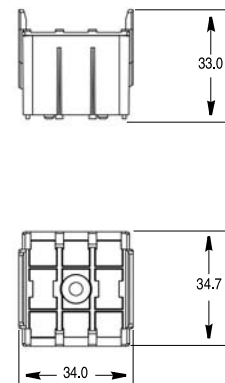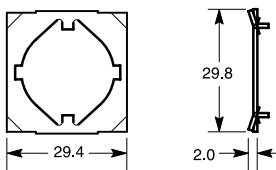
Note: Panel thickness range is 1.0…6.0 mm maximum.
Panel thickness reduced to 4.5 when optional legend plates are used.

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

Locking Cover
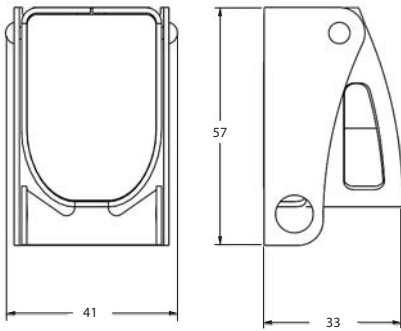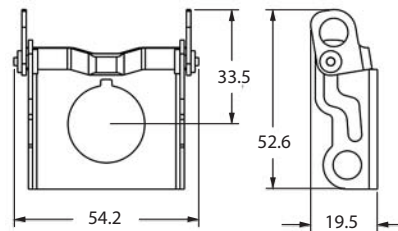

Maintained Mushroom Locking Attachment
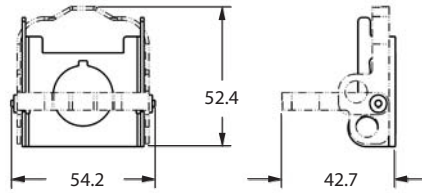
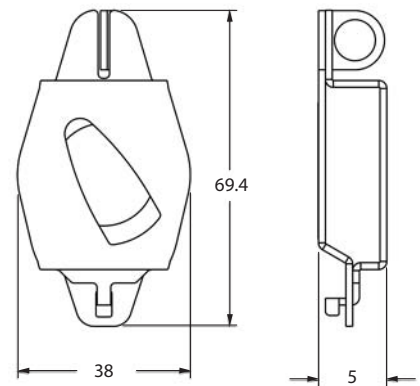**Momentary Mushroom Locking Attachment**
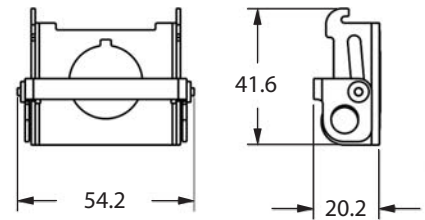
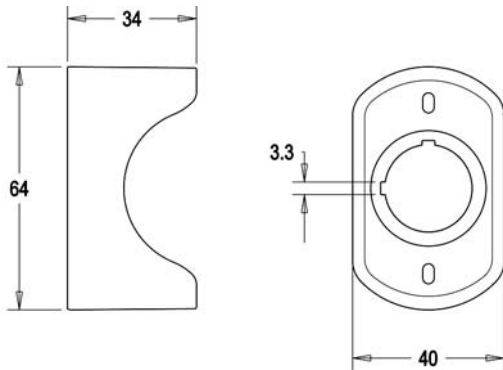**Extended Non-Illuminated Locking Attachment**
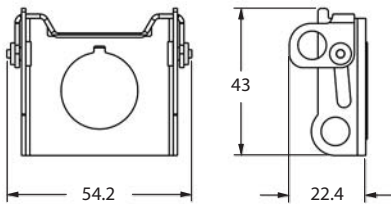
Flush Non-Illuminated Locking Attachment

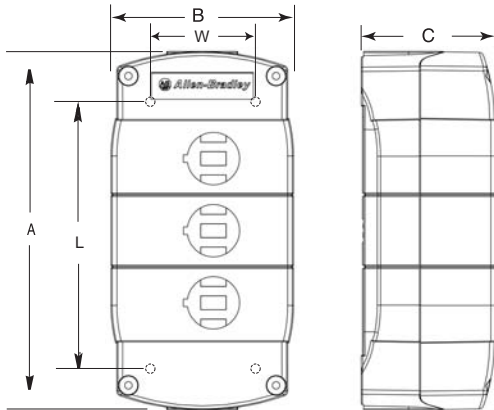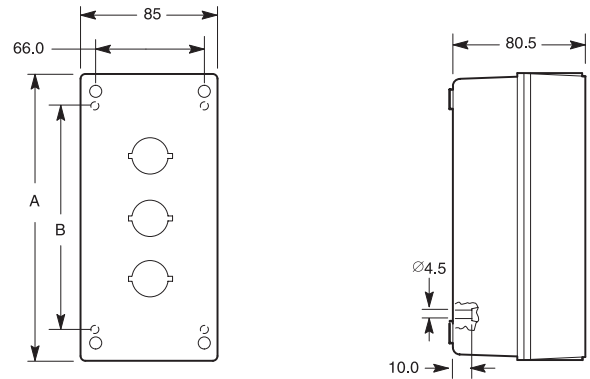**Selector Switch Locking Cover (Same for all Lock Positions)**

Narrow Guard

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

Plastic Enclosures

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

Metal Enclosures

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

Pendant Stations

Visit our website: www.ab.com/catalogs
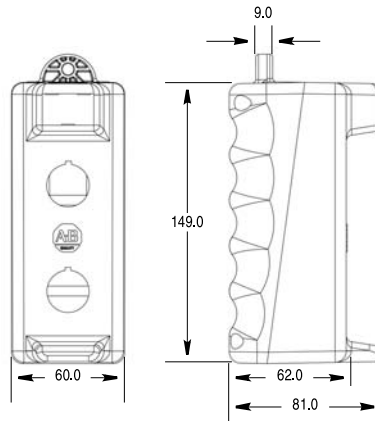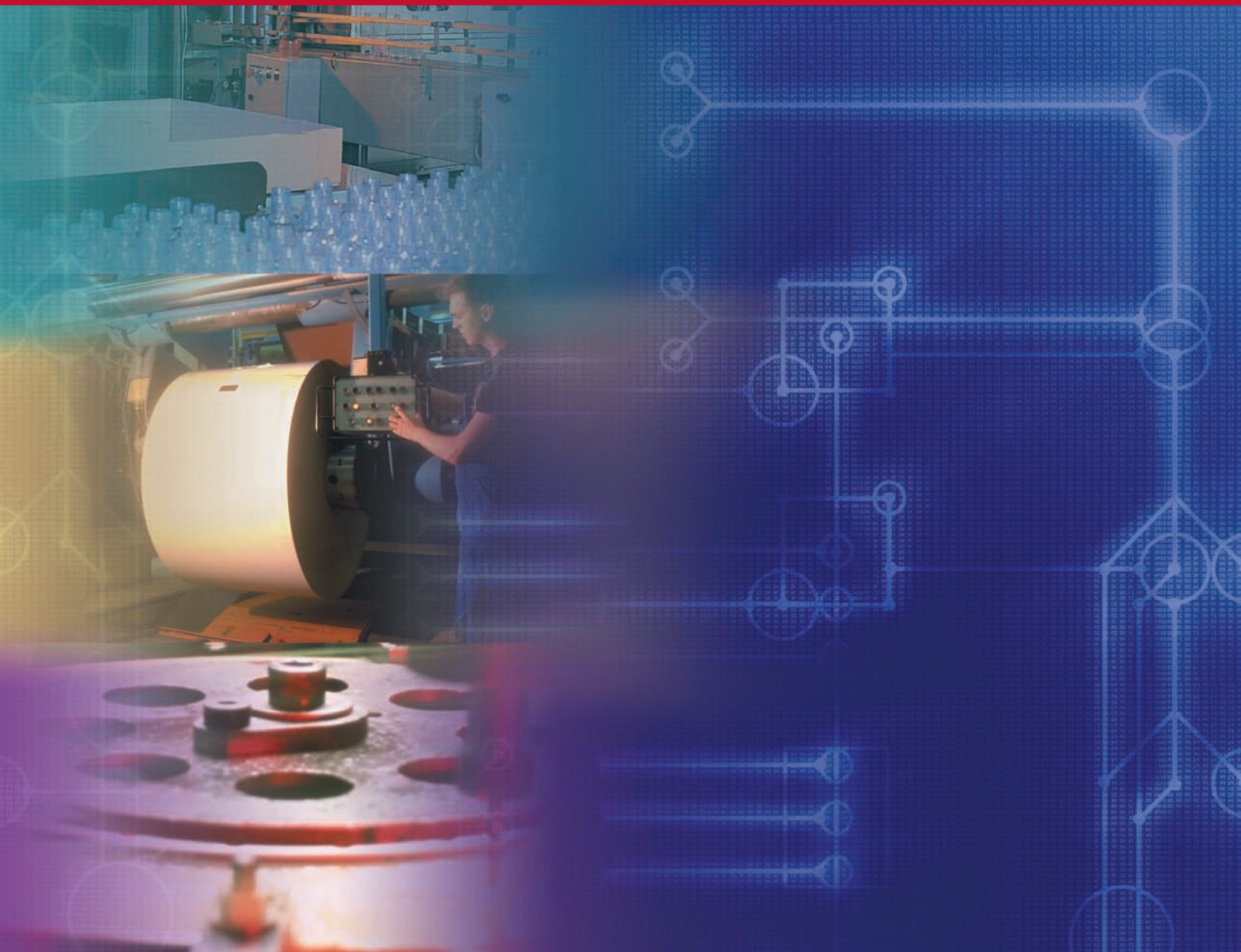
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