

# 800F 22 mm Push Buttons



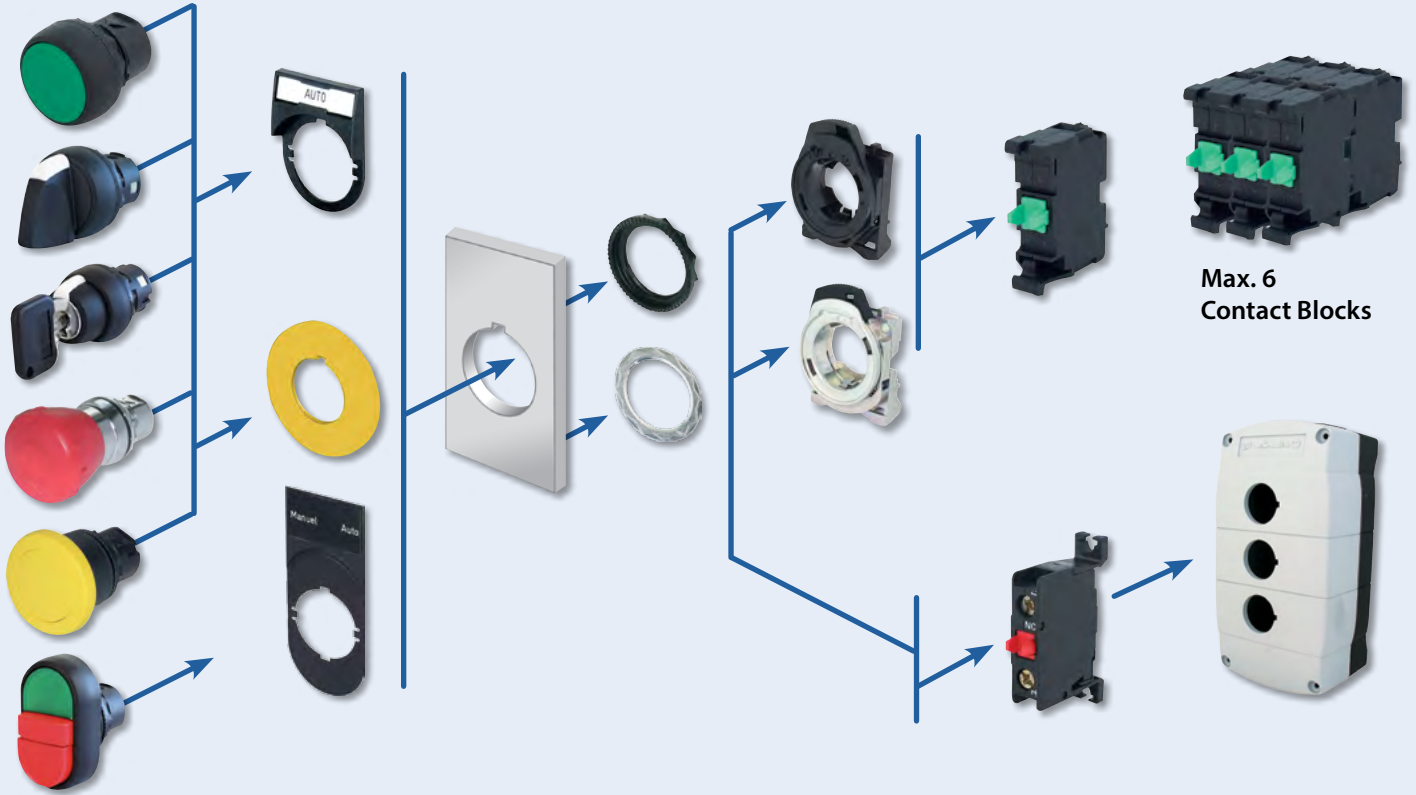
The Time-saving Product Line –  
Quick Selection, Superior Design, Fast Installation



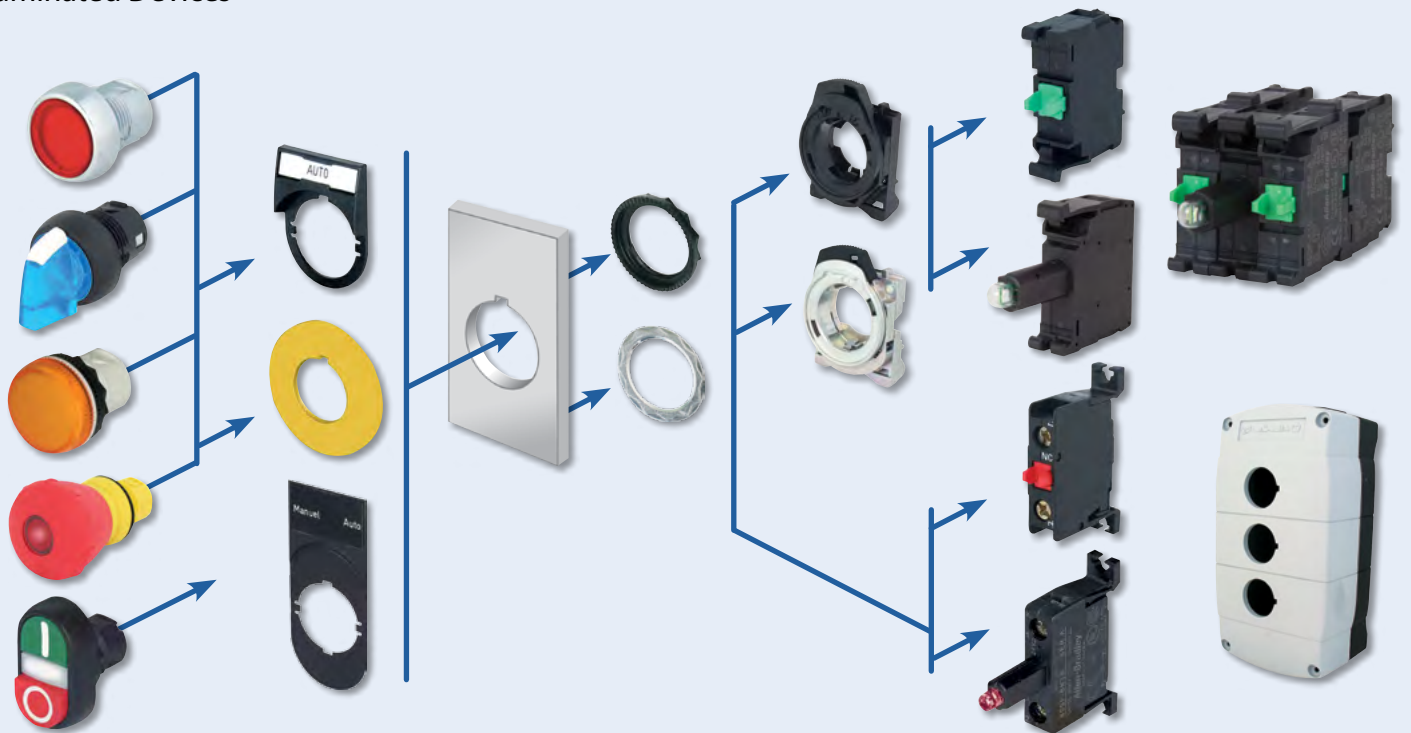
LISTEN.  
THINK.  
SOLVE.®

# Modular Flexibility

## Non-Illuminated Devices



## Illuminated Devices



# Superior Design

The 800F line of 22 mm push buttons is designed and manufactured to demanding performance specifications. Using state-of-the-art solid modeling techniques and finite element analysis, every component built into 800F Push Buttons is optimized for durability and performance.

## Worldwide Solutions

- Designed to worldwide standards.



- Operator caps, legend plates and inserts available with international symbols, foreign languages, and custom markings.

## Durable Materials

- 800FP operators are made of industrial grade thermoplastic for superior chemical resistance.
- 800FM operators are constructed of tough die cast zinc alloy, finished with chromate plating.

### Rotating Latch Collar for Easier Installation and Removal

### Faster, Easier Installation

Allen-Bradley Push Buttons are designed for easy 1-person mounting and removal.

- Contact Block**
  - Snap down
  - Color coded
- Latch**
- Mounting Ring**
- Legend**
- Operator**

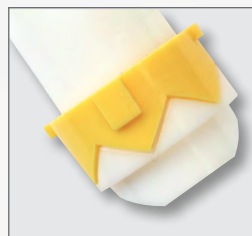
## Dependable Sealing



## Standard Operators

- IP 66 and Type 4/13
- Diaphragm seals
  - Most linear travel devices
  - No lubrication
- K-seals
  - Rotating devices such as twist-to-release E-stops and Selector Switches.
  - Dual wiping action
  - High pressure sealing

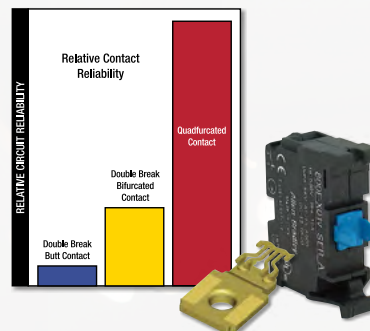
## Switching Safety



## Selector Switches

- Rigid teeth
- Positive detent
- No hang-up between positions
- Constant energy solution
- Vibration insensitive

## Reliable Low-Voltage Switching



## QuadCONNECT™ Contact Blocks – a Low Voltage Exclusive

- Direct drive mechanism
  - Positive actuation
- Independent and sequential operation of contact fingers
  - Minimized contact bounce
- Self-cleaning contact wiping
  - Increased contact reliability
  - Long life
- Reliability operation in applications below 17V, 5 mA down to 5V, 1 mA

## Enhanced E-Stop Reliability



## Self-Monitoring™ Contact Blocks

- Ensures NC contact opens when E-stop is actuated
- Monitors proper installation between:
  - Operator and latch
  - Latch and S.M.C.B.

# Push Button Operators



**Momentary, Non-Illuminated, Flush**

Color	Plastic	Metal
○	800FP-F0	800FM-F0
○	800FP-F1	800FM-F1
●	800FP-F2	800FM-F2
●	800FP-F3	800FM-F3
●	800FP-F4	800FM-F4
●	800FP-F5	800FM-F5
●	800FP-F6	800FM-F6
●	800FP-F8	800FM-F8
∅	800FP-F9	800FM-F9
∅	Push Button without cap	



**Momentary, Illuminated, Flush**

Color	Plastic	Metal
○	800FP-LF0	800FM-LF0
●	800FP-LF3	800FM-LF3
●	800FP-LF4	800FM-LF4
●	800FP-LF5	800FM-LF5
●	800FP-LF6	800FM-LF6
○	800FP-LF7	800FM-LF7
∅	800FP-LF9	800FM-LF9
∅	Push Button without cap	

**Alternate Action, Non-Illuminated, Flush**

Color	Plastic	Metal
○	800FP-FA0	800FM-FA0
○	800FP-FA1	800FM-FA1
●	800FP-FA2	800FM-FA2
●	800FP-FA3	800FM-FA3
●	800FP-FA4	800FM-FA4
●	800FP-FA5	800FM-FA5
●	800FP-FA6	800FM-FA6
●	800FP-FA8	800FM-FA8
∅	800FP-FA9	800FM-FA9
∅	Push Button without cap	

**Alternate Action, Illuminated, Flush**

Color	Plastic	Metal
○	800FP-LFA0	800FM-LFA0
●	800FP-LFA3	800FM-LFA3
●	800FP-LFA4	800FM-LFA4
●	800FP-LFA5	800FM-LFA5
●	800FP-LFA6	800FM-LFA6
○	800FP-LFA7	800FM-LFA7
∅	800FP-LFA9	800FM-LFA9
∅	Push Button without cap	



**Momentary, Non-Illuminated, Extended**

Color	Plastic	Metal
○	800FP-E0	800FM-E0
○	800FP-E1	800FM-E1
●	800FP-E2	800FM-E2
●	800FP-E3	800FM-E3
●	800FP-E4	800FM-E4
●	800FP-E5	800FM-E5
●	800FP-E6	800FM-E6
∅	800FP-E9	800FM-E9
∅	Push Button without cap	



**Momentary, Illuminated, Extended**

Color	Plastic	Metal
○	800FP-LE0	800FM-LE0
●	800FP-LE3	800FM-LE3
●	800FP-LE4	800FM-LE4
●	800FP-LE5	800FM-LE5
●	800FP-LE6	800FM-LE6
○	800FP-LE7	800FM-LE7
∅	800FP-LE9	800FM-LE9
∅	Push Button without cap	



**Momentary, Non-Illuminated, with Legend Caps**

Cap	Legend	Plastic	Metal
●	○ START	800FP-F301	800FM-F301
●	○ I	800FP-F306	800FM-F306
●	○ →	800FP-F208	800FM-F208
<b>Extended</b>			
●	○ STOP	800FP-E402	800FM-E402
●	○ I	800FP-E405	800FM-E405
●	○ →	800FP-E208	800FM-E208



Style	Plastic	Metal
	800FP-U2EFFE	800FM-U2EFFE
	800FP-U3F3F34	800FM-U3F3F34

# Multi-Operators

# Selector Switch Operators



2 Position, Non-Illuminated

Operator Type	Color	Plastic	Metal
	●	800FP-SM22	800FM-SM22
	●	800FP-SL22	800FM-SL22
	●	800FP-SR22	800FM-SR22



Key Selector Switch, 2 Position

Operator Type	Plastic	Metal
	800FP-KM21	800FM-KM21
	800FP-KM23	800FM-KM23
	800FP-KR21	800FM-KR21



2 Position, Illuminated

Operator Type	Color	Plastic	Metal
	●	800FP-LSM20	800FM-LSM20
	●	800FP-LSM23	800FM-LSM23
	●	800FP-LSM24	800FM-LSM24
	●	800FP-LSM25	800FM-LSM25
	●	800FP-LSM26	800FM-LSM26
	○	800FP-LSM27	800FM-LSM27
		●	800FP-LSL20
●		800FP-LSL23	800FM-LSL23
●		800FP-LSL24	800FM-LSL24
●		800FP-LSL25	800FM-LSL25
●		800FP-LSL26	800FM-LSL26
○		800FP-LSL27	800FM-LSL27
		●	800FP-LSR20
	●	800FP-LSR23	800FM-LSR23
	●	800FP-LSR24	800FM-LSR24
	●	800FP-LSR25	800FM-LSR25
	●	800FP-LSR26	800FM-LSR26
	○	800FP-LSR27	800FM-LSR27



3 Position, Non-Illuminated

Operator Type	Color	Plastic	Metal
	●	800FP-SM32	800FM-SM32
	●	800FP-SL32	800FM-SL32
	●	800FP-SR32	800FM-SR32
	●	800FP-SB32	800FM-SB32



Key Selector Switch, 3 Position

Operator Type	Plastic	Metal
	800FP-KM31	800FM-KM31
	800FP-KM33	800FM-KM33
	800FP-KM34	800FM-KM34
	800FP-KB34	800FM-KB34
	800FP-KR35	800FM-KR35



3 Position, Illuminated

Operator Type	Color	Plastic	Metal
	●	800FP-LSM30	800FM-LSM30
	●	800FP-LSM33	800FM-LSM33
	●	800FP-LSM34	800FM-LSM34
	●	800FP-LSM35	800FM-LSM35
	●	800FP-LSM36	800FM-LSM36
	○	800FP-LSM37	800FM-LSM37
		●	800FP-LSL30
●		800FP-LSL33	800FM-LSL33
●		800FP-LSL34	800FM-LSL34
●		800FP-LSL35	800FM-LSL35
●		800FP-LSL36	800FM-LSL36
○		800FP-LSL37	800FM-LSL37
		●	800FP-LSR30
	●	800FP-LSR33	800FM-LSR33
	●	800FP-LSR34	800FM-LSR34
	●	800FP-LSR35	800FM-LSR35
	●	800FP-LSR36	800FM-LSR36
	○	800FP-LSR37	800FM-LSR37
		●	800FP-LSB30
●		800FP-LSB33	800FM-LSB33
●		800FP-LSB34	800FM-LSB34
●		800FP-LSB35	800FM-LSB35
●		800FP-LSB36	800FM-LSB36
○		800FP-LSB37	800FM-LSB37



4 Position, Non-Illuminated

Operator Type	Color	Plastic	Metal
	●	800FP-SM42	800FM-SM42

# Emergency Stop Operators



**E-Stop Push Button, Twist-to-Release, 30 mm Mushroom**

Plastic	Metal
800FP-MT34	800FM-MT34

**Complete Device**

2 S.M.C.B	800FP-MT34PX02S	800FM-MT34MX02S
2 S.M.C.B + 1 N.O.	800FP-MT34PX12S	800FM-MT34MX12S



**E-Stop Push Button, Twist-to-Release, 40 mm Mushroom**

Plastic	Metal
800FP-MT44	800FM-MT44

**Complete Device**

2 S.M.C.B	800FP-MT44PX02S	800FM-MT44MX02S
2 S.M.C.B + 1 N.O.	800FP-MT44PX12S	800FM-MT44MX12S



**E-Stop Push Button, Illuminated Twist-to-Release, 40 mm Mushroom**

Plastic	Metal
800FP-LMT44	800FM-LMT44

**Complete Device**

1 S.M.C.B + 1 LED	800FP-LMT44PN*RX01S	800FM-LMT44MN*RX01S
2 S.M.C.B + 1 LED	800FP-LMT44PN*RX02S	800FM-LMT44MN*RX02S



**E-Stop Push Button, Key Release, 40 mm Mushroom**

Plastic	Metal
800FP-MK44	800FM-MK44

**Complete Device**

1 S.M.C.B	800FP-MK44PX02S	800FM-MK44MX02S
2 S.M.C.B + 1 N.O.	800FP-MK44PX12S	800FM-MK44MX12S

\* Add Control Voltage 3 = 24V AC/DC, 5 = 12V AC, 7 = 240V AC

# E-stop Legends



Blank	Emergency Stop
800F-15YS	800F-15YE112

# Pilot Light Operators



Color	Plastic	Metal
●	800FP-P0	800FM-P0
●	800FP-P3	800FM-P3
●	800FP-P4	800FM-P4
●	800FP-P5	800FM-P5
●	800FP-P6	800FM-P6
○	800FP-P7	800FM-P7
∅	800FP-P9	800FM-P9
∅	Push Button without cap	

# Specialty Operators



**2 Position Selector Push Button**

Operator Type	Color	Plastic	Metal
☑	●	800FP-SJ22	800FM-SJ22
	●	800FP-SJ23	800FM-SJ23



**Single Turn Potentiometer**

Operator Type	Color	Plastic
☑	●	800FP-POT



**Toggle Switch, Maintained**

Operation	Metal
☐ 2-Position	800FM-JM2
☐ 4-Position	800FM-JM4



**Reset Push Button**

Legend	Plastic	Metal
● R	800FP-R611	800FM-R611
● None	800FP-R6	800FM-R6

# Back-of-Panel Components



**Plastic Latch**  
800F-ALP



**Metal Latch**  
800F-ALM



**Contact Block (latch not included)**

Contactor Type		Cat. No.
	1 N.O.	800F-X10
	1 N.C.	800F-X01
	1 N.O. Early Make	800F-X10E
	1 N.C. Late Break	800F-X01L
	1 N.O. QuadCONNECT™ (1 mA)	800F-X10V
	1 N.O. QuadCONNECT™ (1 mA)	800F-X01V
	1 Self-Monitoring™	800F-X01S
	1 N.C. Early Break	800F-X01B
	1 N.O. Spring Clamp	800F-Q10
	1 N.C. Spring Clamp	800F-Q01



**Integrated LED Module**

Termination Style	Voltage	Cat. No.
Screw (latch not included)	24V AC/DC	800F-N3*
	120V AC	800F-N5*
	240V AC	800F-N7*
	24...120V AC/DC	800F-NU*
Spring Clamp (latch not included)	24V AC/DC	800F-Q3*
	120V AC	800F-Q5*
	240V AC	800F-Q7*

\* Add LED Color; R = red, G = green, W = white.

# Legend Plates



30 x 40 mm  
800F-11BE100



30 x 50 mm  
800F-12WE100

# Monolithic Operators



**Push Button, Non-Illuminated, Momentary, Flush and Extended**

Color	1 N.O. + 1 N.C.	
	Flush	Extended
○	800FD-F1X11	800FD-E1X11
●	800FD-F2X11	800FD-E2X11
●	800FD-F3X11	800FD-E3X11
●	800FD-F4X11	800FD-E4X11
●	800FD-F5X11	800FD-E5X11
●	800FD-F6X11	800FD-E6X11



**Selector Switch, Non-Illuminated, 2 Position, Maintained**

Operator Type	Color	Contact Closure	Metal
	●		800FD-SM22X11



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

Operator Type	Color	Contact Closure	Metal
	●		800FD-SM32X20



**Pilot Light, LED**

Color	24V AC/DC	120V AC	240V AC
●	800FD-P0N3	800FD-P0N5	800FD-P0N7
●	800FD-P3N3	800FD-P3N5	800FD-P3N7
●	800FD-P4N3	800FD-P4N5	800FD-P4N7
●	800FD-P5N3	800FD-P5N5	800FD-P5N7
●	800FD-P6N3	800FD-P6N5	800FD-P6N7
○	800FD-P7N3	800FD-P7N5	800FD-P7N7



**Emergency-Stop/Stop, Non-Illuminated, 2 Position, Push-Pull/Twist-to-Release**

Color	Contacts	Extended
●	1 N.C.	800FD-MT44X01
●	2 N.C.	800FD-MT44X02

# Enclosures and Back-of Panel Components



**Enclosures**

Holes	Gray Plastic	Yellow Plastic	Metal
1	800F-1P_*	800F-1Y_* 800F-1Y_*D†	800F-1M_*
2	800F-2P_*	-	800F-2M_*
3	800F-3P_*	-	800F-3M_*
4	800F-4P_*	-	-
	-	-	800F-5M_*
6	800F-6P_*	-	-

\* Add code in \_ space for through holes: M = metric, P = PG.  
† Dual circuit contact blocks allowed.



**Contact Block, Base Mounted**

Contact Type	Cat. No.
1 N.O.	800F-BX10
1 N.C.	800F-BX01
1 N.O. Early Make	800F-BX10E
1 N.C. Late Break	800F-BX01L
1 N.O. QuadCONNECT™ (1 mA)	800F-BX10V
1 N.O. QuadCONNECT™ (1 mA)	800F-BX01V
1 N.O. Spring Clamp	800F-BQ10
1 N.C. Spring Clamp	800F-BQ01



**Assembled E-Stop Stations**

40 mm Operator Type	Contact Configuration	Yellow Plastic
Twist-to-Release	1 N.C.	800F-1Y_*1
	1 N.O. / 1 N.C.	800F-1Y_*2
	2 N.C.	800F-1Y_*3

\* Add code in \_ space for through holes: M = metric, P = PG.



**Integrated LED Module, Base Mounted**

Voltage	Cat. No.
24V AC/DC	800F-BN3*
120V AC	800F-BN5*
240V AC	800F-BN7*

\* Add LED Color; R = red, G = green, W = white.



**SensaGuard™ Wired E-Stop Stations**

- Illuminated
- 24V DC
- 1 N.C. SMCB
- 1 N.C.
- 1 N.O.
- Pre-wired
- Tested
- Factory Sealed
- External Mounting

Quick Connection	QC Quantity	Wiring	Cat. No.
5-pin	1	End device	800F-1YMD51
5-pin	2	Through	800F-1YMD52
8-pin	1	End device	800F-1YMD81



For more information on our complete family of 22 mm and other push button products, please visit:

[http://ab.rockwellautomation.com/  
Push-Buttons-and-Signaling-Devices](http://ab.rockwellautomation.com/Push-Buttons-and-Signaling-Devices)

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