22.5 Mm IEC

Product Selection

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	Pkg. Quantity	Twist-to-Release (Trigger Action)		Push-Pull (Trigger Action)	
			Plastic	Metal	Plastic	Metal
			Cat. No.	Cat. No.	Cat. No.	Cat. No.
Red	30	1	800FP-MT34	800FM-MT34	-	-
	40		800FP-MT44	800FM-MT44	800FP-MP44	800FM-MP44
	60		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	Pkg. Quantity	Twist-to-Release (Trigger Action)		Push-Pull (Trigger Action)	
			Plastic	Metal	Plastic	Metal
			Cat. No.	Cat. No.	Cat. No.	Cat. No.
Red	30	1	-	-	800FP-LMP34	800FM-LMP34
	40		800FP-LMT44	800FM-LMT44	800FP-LMP44	800FM-LMP44
	60		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	Pkg. Quantity	Ronis Key Lock (Trigger Action)‡	
			Plastic	Metal
			Cat. No.	Cat. No.
Red	40 mm	1	800FP-MK44	800FM-MK44

⋆ All emergency stop operators are EN ISO 13850 compliant with standard NC, NCLB, or self-monitoring contact blocks.

‡ For key options, see the Industrial Controls catalog.

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

90 mm Half-Dome
Cat. No. 800FP-MP94

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

```
800F  P  –  MT4    4
  a      b     c    d
```

a		b		c		d§ ♣ Δ	
Operator Construction		**Operator Type**		**Color Cap**		**Engraving**	
Code	Description	**Push, Twist-to-Release♦**		Code	Color	Code	Description
		Code	Type				
P	Round plastic operator (IP66, Type 4/4X/13)	MT3	30 mm color cap	2	Black	Blank	
M	Round metal operator (IP66, Type 4/13)	MT4	40 mm color cap	3	Green	LE	EMO laser engraved
		MT6	60 mm color cap	4	Red	E	EMO printed
		Push-Pull		5	Yellow		
		Code	Type	6	Blue		
		MP4	40 mm color cap				
		Half-Dome Push-Pull					
		Code	Type				
		MP9	90 mm color cap‡				

⋆ All emergency stop operators are EN ISO 13850 compliant with standard NC, NCLB, or self-monitoring contact blocks.
♦ Only available with red color cap.
§ For EMO guards, see the Industrial Control catalog.
♣ Only available on 40 mm color cap.
Δ Only available on red, 40 mm push, twist-to-release operator type (MT44).
‡ Half-dome operators only available with black, red, and yellow color caps.

2-Position Push-Pull Operators, Illuminated — Twist-to-Release (Trigger Action), Push-Pull (Trigger Action)⋆ ‡

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

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

90 mm Half-Dome
Cat. No. 800FP-LMP94

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

800F P – LMP4 3
  a   b   c

a		b			c	
Operator Construction		**Operator Type**			**Lens Cap Color**	
Code	Description	Push, Twist-to-Release§ ♠			Code	Color
		Code	Type			
P	Round plastic operator (IP66, Type 4/4X/13)	LMT4	40 mm color cap		3	Green
M	Round metal operator (IP66, Type 4/13)	LMT6	60 mm color cap		4	Red
		Push-Pull			5	Yellow♦
		Code	Type		6	Blue∆
		LMP3	30 mm color cap			
		LMP4	40 mm color cap			
		LMP6	60 mm color cap			
		Half-Dome Push-Pull				
		Code	Type			
		LMP9	90 mm color cap♠			

⋆ LED module required for illumination, can not use incandescent module.
‡ All emergency stop operators are EN ISO 13850 compliant with standard NC, NCLB, or self-monitoring contact blocks.
§ Only available with red color cap.
♣ 60 mm version has black arrows; 30 and 40 mm versions have white arrows.
♦ When using LED for illumination, a white LED is recommended.
∆ Only available with 40 mm Push-Pull color cap (**LMP4** from Table b).
♠ Half-dome operators only available with red and yellow lens cap colors.

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

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

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

Note: For Ronis replacement keys, see the Industrial Controls catalog. Key release mushroom operators use key no. 3825.

800F P – MK4 4
  a   b   c   d

a		b			c		d	
Operator Construction		**Operator Type**			**Lens Cap Color**		**Ronis Key Lock‡ § ♣**	
Code	Description	Key Release Mushroom			Code	Color	Code	Key No.
P	Round plastic operator (IP66, Type 4/13)	Code	Type		4	Red	Blank	3825 (Standard)
M	Round metal operator (IP66, Type 4/13)	MK4	40 mm				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

⋆ All emergency stop operators are EN ISO 13850 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 Rockwell Automation sales office or Allen-Bradley distributor for interoperability information.
♣ For Ronis replacement keys, see the Industrial Controls catalog.

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

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

Target Table and Operator Position⋆			
Contact Type►	⊤	⊤	⊤
	Out	Center	In
N.O.	O	O	X
N.C.E.B.	X	O	O
N.C.L.B.	X	X	O

Note: X = Closed / O = Open

► Contact selection is limited to the following options, consult your local Rockwell Automation sales office or Allen-Bradley distributor for other options.

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

⋆ 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.

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
Blank	Non-Illuminated
L	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

Δ Sold as stand-alone operator only. Not available as a composite catalog number.
⋆ Cannot use N.C. or N.O.E.M. contact blocks with 3-position push-pull operators. Must use N.O., N.C.E.B., or N.C.L.B. contact blocks.
‡ Available in integrated LED version only.
§ Available in illuminated only.
♣ Available in non-illuminated only.

Momentary Push Button Operators, Non-Illuminated — Mushroom⋆

40 mm Mushroom
Cat. No. 800FM-MM42

60 mm Mushroom
Cat. No. 800FP-MM63

90 mm Mushroom
Cat. No. 800FP-MM94

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

★ Momentary mushroom operators are IP65 rated.

800F P – MM4 3
a   b   c

a			b			c	
Operator Construction			**Size and Operator Type**			**Color Cap**	
Code	Description		Mushroom			Code	Color
P	Round plastic operator (IP65, Type 4/4X/13)		Code	Type		2	Black
M	Round metal operator (IP65, Type 4/13)		MM4	40 mm momentary		3	Green
			MM6	60 mm momentary		4	Red
			MM9	90 mm momentary‡		5	Yellow
						6	Blue

★ Momentary mushroom operators are IP65 rated.
‡ Only available with black, red, and yellow cap colors.

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

Momentary Push Button Operators, Illuminated — Mushroom★

40 mm Mushroom
Cat. No. 800FP-LMM43

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

800F P – LMM4   3

    a   b   c

a		b		c	
Operator Construction		**Size and Operator Type**		**Lens Cap Color**	
Code	Description	**Mushroom**		Code	Color
P	Round plastic operator (IP65, Type 4/4X/13)	Code	Type	3	Green
M	Round metal operator (IP65, Type 4/13)	LMM4	40 mm momentary	4	Red
				5	Yellow‡
				6	Blue
				7	Clear

∗ Momentary mushroom operators are IP65 rated.
‡ When using LED for illumination, a white LED is recommended.

Back-of-Panel Components

Contact Blocks with Latch — Composite

800F – P   X   O   1   E

       a   b   c   d   e

a		b		c	
Style		**Contact Block(s) Termination Style∗**		**N.O. (Normally Open) Circuits**	
Code	Description	Code	Description	Code	Description
P	Plastic latch	X	Screw termination	0	No contact
M	Metal latch	Q	Spring-clamp termination	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		e	
N.C. (Normally Closed) Circuits		**Specialty Contact Block(s)**	
Code	Description	Code	Description
0	No contact	Blank	Standard blocks
1	1 N.C.	V	Low voltage — QuadCONNECT™
2	2 N.C.	E	N.O. early make
3	3 N.C.	L	N.C. late break
4	4 N.C.	S	N.C. self-monitoring
5	5 N.C.		
6	6 N.C.		

∗ Six circuits maximum allowable.

Power Modules

Power Modules with Latch — Composite

800F – M   N   3   G

       a   b   c   d

a		b		c		d	
Style		**Power Module Type§ ♣**		**Voltage**		**Lamp Color♠**	
Code	Description	Code	Description	Code	Description	Code	Description
P	Plastic latch	D	Incandescent module, screw termination	0	No bulbΔ	C	Incandescent
M	Metal latch	N	Integrated LED module, screw termination	1	6V AC/DCΔ	R	Red LED
		Q	Integrated LED module, spring-clamp termination	2	12V AC/DCΔ	G	Green LED
				3	24V AC/DC	Y	Amber LED
				4	48V AC/DCΔ	W	White LED
				5	120V AC	B	Blue LED
				7	240V AC♦		

§ 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.
Δ Only available for incandescent module.
♦ Only available for integrated LED module.
♠ For best illumination results, LED color should match lens color. For yellow operator, select a white LED.

Back-of-Panel Components, Continued

Power Modules with Contact Blocks and Latch — Composite

800F – P N 5 R X 1 O E
      a b c d e f g h

a		b		c		d	
Style		**Power Module Type★ ‡**		**Voltage**		**Lamp ColorΔ**	
Code	Description	Code	Description	Code	Description	Code	Description
P	Plastic latch	D	Incandescent module, screw termination	0	No bulb§	C	Incandescent
M	Metal latch	N	Integrated LED module, screw termination	1	6V AC/DC§	R	Red LED
		Q	Integrated LED module, spring-clamp termination	2	12V AC/DC§	G	Green LED
				3	24V AC/DC	Y	Amber LED
				4	48V AC/DC§	W	White LED
				5	120V AC	B	Blue LED
				7	240V AC♣		

e		f		g		h	
Contact Block(s) Termination Style		**N.O. (Normally Open) Circuits**		**N.C. (Normally Closed) Circuits**		**Specialty Contact Block(s)**	
Code	Description	Code	Description	Code	Description	Code	Description
X	Screw termination	0	No contact	0	No contact	Blank	Standard blocks
Q	Spring-clamp termination	1	1 N.O.	1	1 N.C.	V	Low voltage — QuadCONNECT™
		2	2 N.O.	2	2 N.C.	E	N.O. early make
		3	3 N.O.	3	3 N.C.	L	N.C. late break
		4	4 N.O.	4	4 N.C.	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.
Δ For best illuminated results, LED should match lens color. For yellow operator, select a white LED.

Back-of-Panel Components, Continued

Other

	Description	Pkg. Quantity	Cat. No.
	Metal Mounting Latch These are zinc-plated, metal die cast mounting latches. **Note:** Sold only in multiples of 10. Order (quantity of) 10 to receive one package of 10 pieces.	10	800F-ALM
Cat. No. 800F☐ALM	**Note:** Sold only in multiples of 100. Order (quantity of) 100 to receive one package of 100 pieces.	100	800F-ALM-BP
	Plastic Mounting Latch **Note:** Sold only in multiples of 10. Order (quantity of) 10 to receive one package of 10 pieces.	10	800F-ALP
Cat. No. 800F☐ALP	**Note:** Sold only in multiples of 100. Order (quantity of) 100 to receive one package of 100 pieces.	100	800F-ALP-BP

	Description	Contact Type		Pkg. Quantity	Cat. No.
	Contact Block **Note:** Sold only in multiples of 10. Order (quantity of) 10 to receive one package of 10 pieces. Latch not included.	N.O.		10	800F-X10
		N.C.			800F-X01
		N.O. low voltage — QuadCONNECT™			800F-X10V
		N.C. low voltage — QuadCONNECT™			800F-X01V
		N.O.L.M.	Δ		800F-X10N
		N.O.E.M.			800F-X10E
		N.O.E.E.M.	♦		800F-X10M
		N.C.L.B.			800F-X01L
		N.C.E.B.	★		800F-X01B
		Self-Monitoring	‡		800F-X01S
		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
		Ring lug N.O.	§ ♣		800F-R10
		Ring lug N.C.	§ ♣		800F-R01
Cat. No. 800F☐X10	**Note:** Sold only in multiples of 100. Order (quantity of) 100 to receive one package of 100 pieces. Latch not included.	N.O.		100	800F-X10-BP
		N.C.			800F-X01-BP

Δ For use with **Cat. No. 800FP-CB_** and **Cat. No. 800FP-CC_** operators.

♦ For use with **Cat. No. 800FP-CC_** operators.

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

‡ Cannot stack.

§ Cannot be used in a composite catalog number.

♣ Replacement screws are available (**Cat. No. 800F-ARS1**)

Back of Panel Components, Continued

Other

	Description	Volts	Pkg. Quantity		Cat. No.
	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	10		800F-D0C
		6V AC/DC			800F-D1C
		12V AC/DC			800F-D2C
		24V AC/DC			800F-D3C
		48V AC/DC			800F-D4C
Cat. No. 800F☐D3C		120V AC/DC			800F-D5C
	Integrated LED Module For use with all illuminated devices. For best results, LED should match lens color. For amber, yellow, and blue operators use white LED. **Note:** Sold in multiples of 10. Order (quantity of) 10 to receive one package of 10 pieces. Latch not included.	24V AC/DC	10	★	800F-N3x
		120V AC		★	800F-N5x
		240V AC		★	800F-N7x
		24V AC/DC spring-clamp		★	800F-Q3x
		120V AC spring-clamp		★	800F-Q5x
		240V AC spring-clamp		★	800F-Q7x
Cat. No. 800F☐N3G		24V AC/DC ring lug		‡ §	800F-R3x

	Description	Contact Material	Pkg. Quantity	Cat. No.
	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. Latch not included.	N.O.	10	800F-BX10
		N.C.		800F-BX01
		N.O. low voltage — QuadCONNECT™		800F-BX10V
		N.C. low voltage — QuadCONNECT™		800F-BX01V
		N.O.E.M.		800F-BX10E
		N.C.L.B.		800F-BX01L
		N.O. spring-clamp		800F-BQ10
Cat. No. 800F☐BX01		N.C. spring-clamp		800F-BQ01

	Description	Volts	Pkg. Quantity		Cat. No.
	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. Latch not included.	24V AC/DC	10	★	800F-BN3x
		120V AC		★	800F-BN5x
		240V AC		★	800F-BN7x
		24V AC/DC spring-clamp		★	800F-BQ3x
		120V AC spring-clamp		★	800F-BQ5x
Cat. No. 800F☐BN3R		240V AC spring-clamp		★	800F-BQ7x

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

‡ Cannot be used in a composite catalog number.

§ Replacement screws are available (Cat. No. 800F-ARS1)

Assembled Stations

Cat. No. 800F-1YP4

1-Hole Yellow Enclosure E-Stop Station