



Allen-Bradley

NHP

Pushbuttons

Easy selection guide
Operator Control Devices



Section 1: Components

Operator Head

Refer to pages 3-4



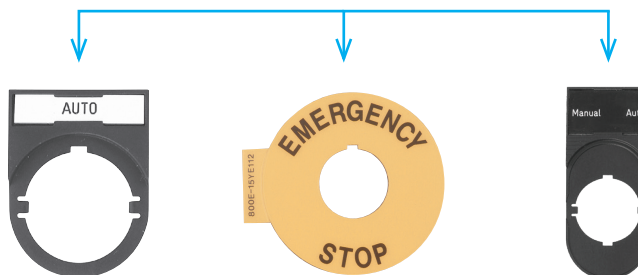
Lens

Refer to page 5



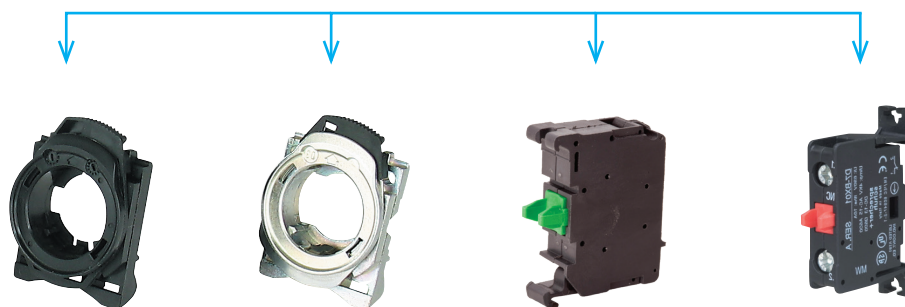
Legend Plates (optional)

Refer to pages 6-7



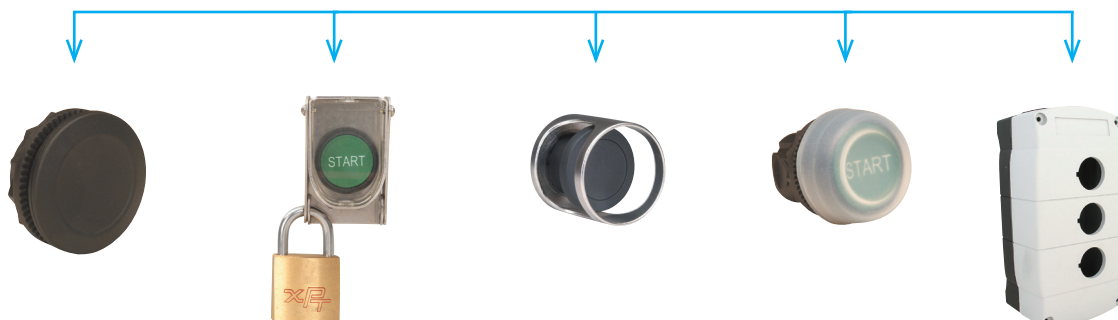
Coupling Plates, Contact Blocks & Lamp Modules

Refer to page 8



Accessories

Refer to pages 9-11



Your choice.

Operator Head

Momentary pushbutton

Description		Non-illuminated plastic Cat. No.	Non-illuminated Metal Cat. No.	Illuminated Plastic Cat. No.	Illuminated Metal Cat. No.
Operator only	No insert	800FP-F9**	800FM-F9	800FPL-F9 *	800FML-F9
Operator with	White / clear insert	800FP-F1**	800FM-F1	800FPL-F7 *	800FML-F7
	Black insert	800FP-F2**	800FM-F2	-	-
	Green insert	800FP-F3**	800FM-F3	800FPL-F3 *	800FML-F3
	Red insert	800FP-F4**	800FM-F4	800FPL-F4 *	800FML-F4
	Blue insert	800FP-F6**	800FM-F6	800FPL-F6 *	800FML-F6
	Green 'start' insert	800FP-F301**	800FM-F301	-	-
	Red 'stop' insert	800FP-F402**	800FM-F402	-	-



800FP-F301

Extended Inserts

Operator only	No insert	800FP-E9***	800FM-E9	800FPL-E9 *	800FML-E9
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Latching

Operator only	No insert	800FP-FA9**	800FM-FA9	800FPL-FA9 *	800FML-FA9
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Emergency Stop Operators

Mushroom head

Description	Non-illuminated plastic Cat. No.	Non-illuminated Metal Cat. No.	Illuminated Plastic Cat. No.	Illuminated Metal Cat. No.
40 mm red operator	800FP-MT44*	800FM-MT44	800FP-LMT44*	800FM-LMT44
60 mm red operator	800FP-MT64*	800FM-MT64	800FP-LMT64*	800FM-LMT64



800FP-MT44

Pilot Light head

Description	Plastic Cat. No.	Metal Cat. No.
Pilot light with clear lens	800FP-P7*	800FM-P7
Pilot light with green lens	800FP-P3*	800FM-P3
Pilot light with red lens	800FP-P4*	800FM-P4
Pilot light with amber lens	800FP-P0*	800FM-P0
Pilot light with yellow lens	800FP-P5*	800FM-P5
Pilot light with blue lens	800FP-P6*	800FM-P6



800FM-P4



800FP-P3

* IP69K Rating

** IP69K rating when used with a protective boot (800F-AB7)

*** IP69K rating when used with a protective boot (800F-ABE7)

Selector Switch head

Short lever: 2-position

Description		Non-illuminated plastic Cat. No.	Non-illuminated metal Cat. No.
Maintained stayput 60°		800FP-SM22	800FM-SM22
Spring return from left 60°		800FP-SL22	800FM-SL22
Spring return from right 60°		800FP-SR22	800FM-SR22



800F-PSM22

Short lever: 3-position

Description	Non-illuminated plastic Cat. No.	Non-illuminated metal Cat. No.
Maintained stayput 60°	800FP-SM32	800FM-SM32
Spring return from left 60°	800FP-SL32	800FM-SL32
Spring return from right 60°	800FP-SR32	800FM-SR32
Spring return from left & right 60°	800FP-SB32	800FM-SB32



800FM-SL32

2-position keyed

Description	Key removable	Plastic Standard key 3825 Cat. No.	Metal Standard key 3825 Cat. No.
Maintained stayput 60°	Left	800FP-KM21	800FM-KM21
	Right	800FP-KM22	800FM-KM22
	Both	800FP-KM23	800FM-KM23
Spring return from left 60°	Right	800FP-KL22	800FM-KL22
Spring return from right 60°	Left	800FP-KR21	800FM-KR21



800FP-KM21

Coloured inserts non-illuminated cap

- For standard and extended pushbutton operators and pilot lights
- Each component supplied separately

Description	To suit flush, and guarded operator Cat. No.	To suit extended operator Cat. No.	To suit flush latched operator Cat. No.
White	800F-AF1	800F-AE1	800F-AFA1
Black	800F-AF2	800F-AE2	800F-AFA2
Green	800F-AF3	800F-AE3	800F-AFA3
Red	800F-AF4	800F-AE4	800F-AFA4
Yellow	800F-AF5	800F-AE5	800F-AFA5
Blue	800F-AF6	800F-AE6	800F-AFA6
Start "green"	800F-AF301	-	-
Stop "red"	800F-AF402	-	-
Reset "blue"	800F-AF6CE186	-	-



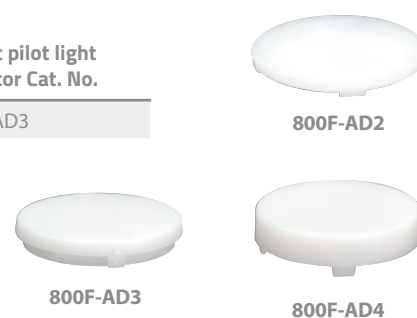
Illuminated lens cap and pilot light lenses

Description	To suit flush, guarded and latching operator Cat. No.	To suit extended guarded and latching operator Cat. No.	To suit pilot light operator Cat. No.
Green	800F-ALF3	800F-ALE3	800F-AP3
Red	800F-ALF4	800F-ALE4	800F-AP4
Amber*	800F-ALF0	800F-ALE0	800F-AP0
Yellow	800F-ALF5	800F-ALE5	800F-AP5
Blue	800F-ALF6	800F-ALE6	800F-AP6
Clear	800F-ALF7	800F-ALE7	800F-AP7



Diffuser for illuminated pushbuttons and pilot lights

Description	To suit flush/guarded operator Cat. No.	To suit extended guarded operator Cat. No.	To suit pilot light operator Cat. No.
Spare lens diffuser	800F-AD2	800F-AD4	800F-AD3



* For optimum amber illumination please also specify yellow LED lamp.

Legend Plates

Dimensions	Component	Description	Cat. No.
		Legend plate frame 30 x 40 mm	800F-110
		Legend plate frame 30 x 50 mm	800F-120
		Legend plate frame (for use with multi-function operator) 30 x 70 mm	800F-200
		Legend plate (blank) 30 x 40 mm White plastic Black plastic Aluminium	800F-34WE100 800F-34BE100 800F-34AE100
		Legend plate (blank) 30 x 50 mm White plastic Black plastic Aluminium	800F-35WE100 800F-35BE100 800F-35AE100
		Legend plate - for 800F-110* Legend plate frame 30 x 40 mm White with black text Black with white text Aluminium with black text	800F-17WE100 800F-17BE100 800F-17AE100
		Legend plate - for 800F-120 & 800F-200** Legend plate frame 30 x 50 mm White with black text Black with white text Aluminium with black text	800F-18WE100 800F-18BE100 800F-18AE100
		Legend plate - for 800F-4001) Legend plate frame White with black text Black with white text Aluminium with black text	800F-42WE100 800F-42BE100 800F-42AE100

* Supplied blank.

** Refer to NHP for engraving options.

Legend Plates

Printed Text		Plastic black, inscription white, for legend plate carrier *	Plastic black, inscription white, for legend plate carrier **
close		800F-17BE107	800F-18BE107
open		800F-17BE170	800F-18BE170
down		800F-17BE110	800F-18BE110
up		800F-17BE223	800F-18BE223
foward		800F-17BE120	800F-18BE120
reverse		800F-17BE188	800F-18BE188
high		800F-17BE129	800F-18BE129
lower		800F-17BE152	800F-18BE152
raise		800F-17BE182	800F-18BE182
off		800F-17BE163	800F-18BE163
on		800F-17BE166	800F-18BE166
start		800F-17BE208	800F-18BE208
stop		800F-17BE212	800F-18BE212
man	O auto	800F-17BE238	800F-18BE238
forw	off rev	800F-17BE261	800F-18BE261
off	on	800F-17BE165	800F-18BE165
stop	start	800F-17BE215	800F-18BE215
blank legend plate		800F-17BE100	800F-18BE100
jog	run	800F-17BE142	800F-18BE142
open	close	800F-17BE171	800F-18BE171
slow	fast	800F-17BE204	800F-18BE204
low	off high	800F-17BE150	800F-18BE150

* Legend plate size 29.8 x 8.8 mm.

** Legend plate size 29.8 x 18.7 mm.

Contact Blocks, Coupling Plates & Lamp Modules

Coupling plates

Description	Cat. No.
Plastic coupling plate	800F-ALP
Metal coupling plate	800F-ALM



800FALP



800FALM

Contact Blocks

Description	Actuator colour	Panel mount Cat. No.	DIN/Base mount Cat. No.
Open contact block	Green	800F-X10	800F-BX10
Closed contact block	Red	800F-X01	800F-BX01
Open contact block with spring clamp terminals	Green	800F-Q10	-
Closed contact block with spring clamp terminals	Red	800F-Q01	-
Open early make	Green	800F-X10E	800F-BX10E
Closed late break	Brown	800F-X01L	-
Closed early break	Brown	800F-X01B	-
Open low voltage (quadfurcated gold contacts)	Blue	800F-X10V	-
Closed low voltage (quadfurcated gold contacts)	Blue	800F-X01V	-
Dual circuit 2 normally open	Green	800F-X20D	-
Dual circuit 2 normally closed	Red	800F-X02D	-
"Auto break" safety contact block for emergency stop operators	Yellow	800F-X01S	-



800F-BX01



800F-X10V



800F-X01S

Lamp Modules

Description	Colour	Voltage	Panel mount screw terminal Cat No.	Base/DIN mount screw terminal Cat. No.
Full voltage lamp module (without Ba9s lamp)*	-	-	800F-D0C	-
Integrated LED module ** ***	Green	24V AC/DC	800F-N3G	800F-BN3G
	Red		800F-N3R	800F-BN3R
	White		800F-N3W	800F-BN3W
	Green	24 - 120V AC/DC	800F-NUG	-
	Red		800F-NUR	-
	White		800F-NUW	-
	Green	240V AC	800F-N7G	800F-BN7G
	Red		800F-N7R	800F-BN7R
	White		800F-N7W	800F-BN7W



800F-D0C



800F-N7W



800F-BN7R

* See page 10 for BA9S lamp options.

** For best illumination match led colour with lens colour.

*** For Blue and Yellow lamp indication use the White led module with the applicable coloured pilot light operator head.

Accessories

Item		Description	Housing	Cat. No.
	Blanking plug	Used to plug 22.5 mm holes	Black plastic	800F-N2
	Locking cover	For use on flush, extended, guarded and latched pushbuttons, short knob selector switches	-	800F-AL01
	40 mm protective ring	For use on 2 position push-pull operators only	-	800F-AMRG
	Push button holder	Box of 10	-	PBH01
	Mounting hole adaptor	Allows a 22.5 mm pushbutton operator to be installed into a panel with existing 30.5 mm mounting hole	Clear Silicone	800F-AHA1
	Lock nuts	For fixing front elements	Plastic	800F-ARP
	Protective boot	For flush pushbuttons	Clear Silicone	800F-AB7
		For extended pushbuttons	Clear Silicone	800F-ABE7
		For multi-function operators – 2 position	Clear Silicone	800F-AUB2
		For multi-function operators – 3 position	Clear Silicone	800F-AUB1

Accessories and Spares

Incandescent lamps for pilot lights

Item	Description	Voltage	Typical current	1.2 Watt Cat. No.	2 Watt Cat. No.
	BA9S style for full voltage lamp block 800F-DOC *	6 V	150 mA	BA9S-I3-6V-1.2W	-
		12 V	80 mA	BA9S-I3-12V-1.2W	BA9S-I3-12V-2W
		24 V	70 mA	BA9S-I3-24V-1.2W	BA9S-I3-24V-2W
		36 V	60 mA	BA9S-I3-36V-1.2W	BA9S-I3-36V-2W
		48 V	50 mA	-	BA9S-I3-48V-2W
		60 V	22 mA	BA9S-I3-60V-1.2W	BA9S-I3-60V-2W
		130 V	-	-	BA9S-I3-130V-2.6W

Neon lamps

Item	Description	Voltage	Typical current	Cat. No.
	BA9S style for full voltage lamp block 800F-DOC	110 V...127 V clear	22 mA	BA9S-CN3-110V
		220 V...240 V clear	22 mA	BA9S-CN3-240V

LED lamp Ba9s style

Item	Description	Voltage	Typical current (mA)	Multi-cluster ultra bright Style Cat. No.**
	20,000 hour life BA9S style for full voltage lamp block 800F-DOC	8 V AC/DC	72	BA9S- _ -8VACDC
		12 V AC/DC	20	BA9S- _ -12VACDC
		24 V AC/DC	20	BA9S- _ -24VACDC
		48 V AC/DC	20	BA9S- _ -48VACDC
		110 - 130 V AC/DC	4.8	BA9S- _ -130VACDC
		240 V AC/DC	2.5	BA9S- _ A240VAC

* Maximum direct voltage 130 V.

** Add colour code (shown above) to cat. no. White (WL), red (RL), green (GL), yellow (YL), blue (BL), e.g. BA9S-WL-8VACDC.

Enclosures with 22.5mm cut-outs

Low profile, bare enclosures for single level rear elements

- Metal or plastic construction
- IP66 and IP69K (selected components) ingress protection rating
- Enclosures supplied with 22.5 mm cut-outs*
- Supplied with two knockout M16/M20 mm cable entries
- Suitable for mounting all 800F front elements
- Each enclosure accepts up to three single depth rear elements (contact / lamp blocks), with either panel (latch mount) or base mounting
- Supplied individually packaged



800F-3PM



800F-5MM

Enclosure

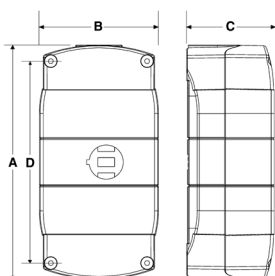
Description	No. of cut-outs	Plastic enclosure Cat. No. ^{1) 2) 3) 4)}	Metal enclosure Cat. No. ^{1) 2) 3) 4)}
Yellow enclosure	1	800F-1YM	800F-1MYM
Grey enclosure	1	800F-1PM	800F-1MM
	2	800F-2PM****	800F-2MM
	3	800F-3PM****	800F-3MM
	4	800F-4PM****	-
	5	-	800F-5MM
	6	800F-6PM****	-

Dimensions

Plastic

Number of units

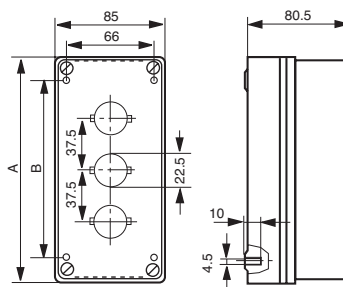
Cat. No.	Holes	A	B	C	D
800F-1PM	1	85	89	58	59
800F-2PM	2	124	79	48	103
800Fi-3PM	3	155	79	48	133
800F-4PM	4	186	79	48	165
800F-6PM	6	248	87	55	224



Metal (Aluminium)

Number of units

Cat. No.	Holes	A	B
800F-1MM	1	99	62
800F-2MM	2	137	100
800F-3MM	3	174	137
800F-5MM	5	249	212



800F-N2

¹⁾ Operators and rear elements supplied separately.

²⁾ Trim washer required if legend not used.

³⁾ Use blank plug 800FN2 for unrequired mounting holes.

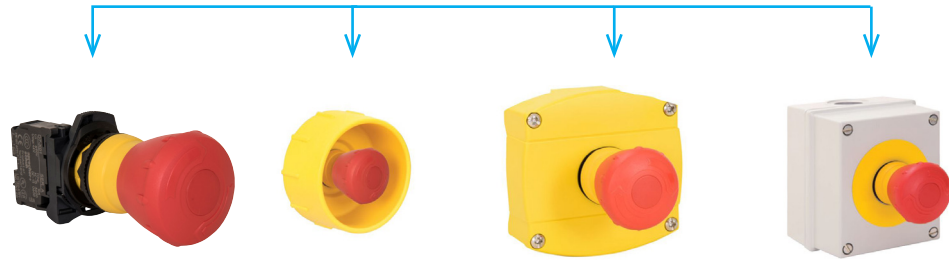
⁴⁾ Suitable for base mount or single panel mount contact blocks.

**** IP69K Rating when used with Thin Anti-Rotation Washer (800F-ALC2)

Section 2: Complete Units:

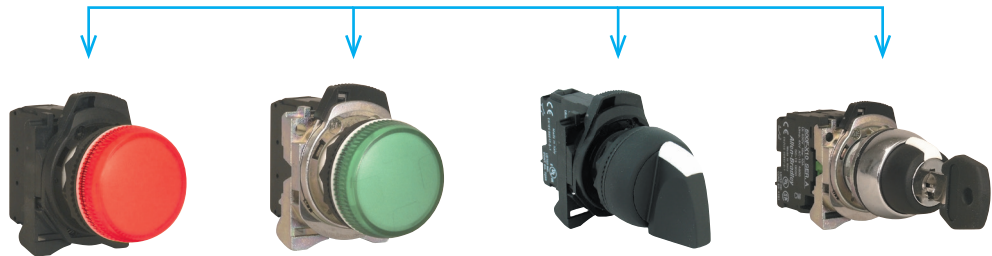
Emergency Stop Operators

Refer to page 13



Pilot Lights & Selector Switches

Refer to page 14



Momentary Pushbuttons

Refer to page 15



Your choice.

Emergency Stop Operators

- IP66 and IP69K (selected components) ingress protection rating
- Choice of “auto break” or standard normally closed contacts
- Extra security key release
- Complies with AS/NZS 3947.5.5:2000

Pushbutton & key operated

Description	Contact	Plastic body	Metal body
Twist to reset/standard contact blocks 40 mm operator	1 N/C	800FP-MT44-PX01*	800FM-MT44-MX01
40 mm operator with “auto break” safety contact block	1 N/C	800FP-MT44-PX01S*	800FM-MT44-MX01S



800FPMT44PX01



800F-A6PR5



800F1YM1

Accessories

Item	Description	Cat. No.
85 mm Protective guard yellow.	Suit 30, 40 + 60 mm illuminated and non-illuminated, twist to release emergency stop operators. (operator supplied separately)	800F-A6PR5

Enclosed Emergency Stop Operators

- Modern low profile
- Metric cable entry knockout M16/20 mm

Description	Contact	Cat. No.
Plastic enclosures with emergency stop “twist to reset” operator	1 N/C	800F1YM1
Metal enclosures with emergency stop “twist to reset” operator	1 N/C	800F1MM1*
Grey enclosure 40 mm metal operator		



800F1MM1

* Yellow metal enclosure also available. Contact NHP.

Accessories

Item	Description	Diameter	Cat. Co.
Emergency stop rings: self-adhesive	Blank	60 mm	800F-15Y
	Blank	90 mm	800F-16Y
	Printed “emergency stop” for 30/40 mm	60 mm	800F-15YE112
	Printed “emergency stop” for 60 mm	90 mm	800F-16YE112



800F-15YE112

* IP69K Rating

Pilot Light with Integrated LED Lamp Block

- Superior LED illumination qualities
- Scratch resistant lenses
- IP66 and IP69K (selected components) ingress protection rating

24 - 120 V AC/DC

Description	Plastic body Cat. No.	Metal body Cat. No.
Green pilot light/green LED	800FP-P3-PN3G*	800FM-P3-MN3G
Red pilot light/red LED	800FP-P4-PN3R*	800FM-P4-MN3R
Blue pilot light/white LED	800FP-P6-PN3W*	800FM-P6-MN3W
Amber pilot light/white LED	800FP-P0-PN3W*	-
Yellow pilot light/white LED	800FP-P5-PN3W*	800FM-P5-MN3W
Translucent pilot light/white LED	800FP-P7-PN3W*	800FM-P7-MN3W

240 V AC

Green pilot light/Green LED	800FP-P3-PN7G*	800FM-P3-MN7G
Red pilot light/Red LED	800FP-P4-PN7R*	800FM-P4-MN7R
Blue pilot light/white LED	800FP-P6-PN7W*	800FM-P6-MN7W
Amber pilot light/white LED	800FP-P0-PN7W*	-
Yellow pilot light/white LED	800FP-P5-PN7W*	-
Translucent pilot light/White LED	800FP-P7-PN7W*	-



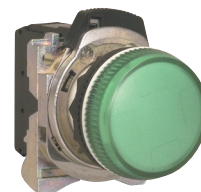
800FP-P6PN3W



800FP-P4PN3R



800FP-P5-PN3W



800FM-P3-MN3G

Short Lever and Key Operated Rotary Switches

- Improved sealing
- Raised detent for improved switching capabilities
- Ergonomic handles

Description	Contact		Plastic body Cat. No.	Metal body Cat. No.
Maintained operation 2 pos rotary SW 60°		1 N/O	800FP-SM22-PX10	800FM-SM22-MX10
3 pos rotary SW 2 x 60°		2 N/O	800FP-SM32-PX20	-
2 pos key SW 60°		1 N/O	800FP-KM21-PX10	800FM-KM21-MX10



800FP-SM22-PX10



800FM-KM21-MX20

* IP69K Rating

Non-Illuminated Momentary

- Metal or plastic options
- Improved momentary action for fast response
- Low mounting depth from panel
- IP66 and IP69K (selected components) ingress protection rating
- Laser etched markings for improved abrasion resistance



800FM-F301-MX10



800FM-F4-MX01



800FP-E402-PX01

Flush

Description	Contact	Plastic body Cat. No.	Metal body Cat. No.
With green insert	1 N/O	800FP-F3-PX10**	800FM-F3-MX10
With red insert	1 N/C	800FP-F4-PX01**	800FM-F4-MX01
With blue insert	1 N/O	800FP-F6-PX10**	800FM-F6-MX10
With green insert labelled "start"	1 N/O	800FP-F301-PX10**	800FM-F301-MX10
With red insert labelled "stop"	1 N/C	800FP-F402-PX01**	800FM-F402-MX01

Extended

With red insert labelled "stop"	1 N/C	800FP-E402-PX01	800FM-E402-MX01
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Illuminated Momentary

- Integrated LED lamp block and contact blocks
- Long life integrated LED illumination
- IP66 and IP69K (selected components) ingress protection rating

24 -120 V AC/DC

Description	Contact	Plastic body Cat. No.
Green pushbutton/green LED	1 N/O	800FP-LF3-PN3G-X10*
Red pushbutton/red LED	1 N/C	800FP-LF4-PN3R-X01*
Blue pushbutton/white LED	1 N/O	800FP-LF6-PN3W-X10*

240 V AC

Green pushbutton/green LED	1 N/O	800FP-LF3-PN7G-X10*
Red pushbutton/red LED	1 N/C	800FP-LF4-PN7R-X01*
Blue pushbutton/white LED	1 N/O	800FP-LF6-PN7W-X10*



800FP-LF4-PN3R-X01



800FP-LF3-PN7G-X10

* IP69K Rating

** IP69K rating when used with a protective boot (800F-AB7)

*** IP69K rating when used with a protective boot (800F-ABE7)



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