

Bul. 800F Pilot Lights — Monolithic



Lens Color	Lamp Voltage	Cat. No.
Green	24V AC/DC	800FD-P3N3
	120V AC	800FD-P3N5
Red	24V AC/DC	800FD-P4N3
	120V AC	800FD-P4N5
Yellow	24V AC/DC	800FD-P5N3
	120V AC	800FD-P5N5
Blue	24V AC/DC	800FD-P6N3
	120V AC	800FD-P6N5
Clear	24V AC/DC	800FD-P7N3
	120V AC	800FD-P7N5

Bul. 800F Potentiometer Operators*



Resistive Element (Ω)	Cat. No.
150	800FP-POT1
500	800FP-POT2
1000	800FP-POT3
2500	800FP-POT4
5000	800FP-POT5
10 000	800FP-POT6

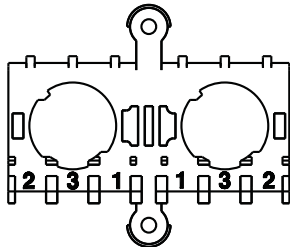
* Only available in Position 1 for a 3-hole enclosure, Positions 1 and/or 5 for a 5-hole enclosure, Positions 1 and/or 7 for a 7-hole enclosure, and positions 1 and/or 9 for a 9-hole enclosure. No latches are required.

Bul. 800F Hole Plug

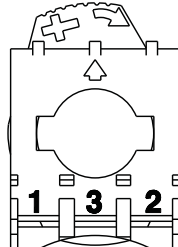


Color	Cat. No.
Black plastic	800F-N2

1-, 2-, and 3-Speed Contact Block Assemblies



Cat. No. 800FC-ALP



Cat. No. 800F-ALP

Operator Type	Interlock Type	Composite Cat. No.	Separate Catalog Numbers			
			Latch Cat. No.	Contact Block Location 1 Cat. No.	Contact Block Location 2 Cat. No.	Contact Block Location 3 Cat. No.
1-speed	No interlock	800F-PX10E	800F-ALP	—	—	800F-X10E
	Electrical interlock	800F-PX11C	800F-ALP	800F-X01B		
	Mechanical interlock§	800F-LX20C	800FC-ALP	—		
	Electrical & mechanical interlock§	800F-LX22C	800FC-ALP	800F-X01B		
2-speed	No interlock	800F-PX20C	800F-ALP	—	800F-X10N (Speed 2)	800F-X10E (Speed 1)
	Electrical interlock	800F-PX21C	800F-ALP	800F-X01B		
	Mechanical interlock§	800F-LX40C	800FC-ALP	—		
	Electrical & mechanical interlock§	800F-LX42C	800FC-ALP	800F-X01B		
3-speed	No interlock	* 800F-PX30C	800F-ALP	800F-X10N	800F-X10E (Speed 2)	800F-X10M (Speed 1)‡
	Mechanical interlock§	* 800F-LX60C	800FC-ALP	800F-X10N (Speed 3)		

* Contact blocks come preassembled onto latch.

‡ For proper operation, **Cat. No. 800F-X10M** must be mounted in position 3 of either the mechanical or standard latch.

§ When ordering separate components, two pieces of each contact block must be ordered, one for each operator.

Bulletin 800FC

22.5 mm Configured Pendant Stations

Specifications

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Front-of-Panel (Operators)

Mechanical Ratings		
Description		Plastic (Bulletin 800FP)
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*		IP66 (Type 4/4X/13)
Mechanical durability per EN 60947-5-1 (Annex C)	10 000 000 Cycles	Momentary push buttons
	1 000 000 Cycles	Multi-function, selector switch, key selector switch
	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
Operating torque (typical application with one contact block)		Selector switch = 0.25 N•m (2.2 lb•in)
Mounting torque		1.7 N•m (15 lb•in)
Environmental		
Temperature range (operating)		-25...+70 °C (-13...+158 °F)‡
Temperature range (short term storage)		-40...+85 °C (-40...+185 °F)
Humidity		50...95% RH from 25...60 °C (77...140 °F)

* Performance Data — see page Important-3 of the Industrial Controls catalog.

‡ 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) - fully populated 9-hole pendant enclosure 45 °C (113 °F) with 75 °C wire.

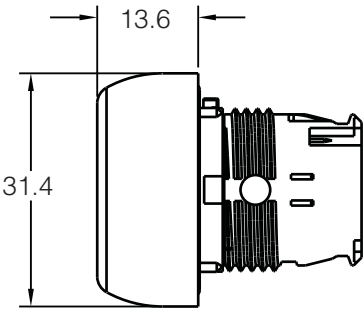
Note: Use UL Listed type S or SJ cords, with a smooth outer jacket rated for wet locations use (marked W) and oil resistant outer covering (marked O) such as SOW or SJOW with copper wire, rated 75 °C min., 18...12 AWG, with an overall OD of 7.5...15 mm for the small cable sleeve (**Cat. No. 800FC-AS3**) and 9...22.5 mm for the large cable sleeve (**Cat. No. 800FC-AS5**).

Material Listing

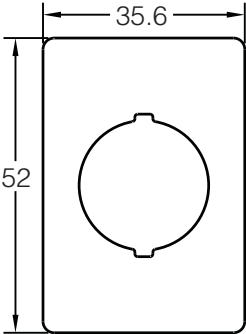
Component	For Use with	Material Used
Panel gasket	All operators	Nitrile, TPE
Diaphragm seal	Illuminated push button, non-illuminated push button	Automotive industry acceptable silicone
K-seal	Selector switch, key selector switch, push/twist-to-release E-stop, key E-stop	Nitrile
Diaphragm retainer, return spring I	Illuminated push button, non-illuminated push button	Stainless steel
Return spring II	Selector switch, key selector switch, alternate action, push/twist-to-release E-stop, key E-stop	Zinc-coated music wire
Button cap	Non-illuminated push button, push/twist-to-release, E-stop, key E-stop, 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	Polyamide
Knob	Non-illuminated selector switch	Glass-filled polyamide
Plastic bezel/bushing I	Non-illuminated push button, illuminated push button, selector switch, key selector switch, push/twist-to-release E-stop, key E-stop, multi-function	Glass-filled polyamide
Plastic bezel/bushing II	Pilot light	Glass-filled PBT
Diffuser	Illuminated push button, pilot light	Polycarbonate
Plastic mounting ring	All plastic operators	Glass-filled polyamide
Plastic latch	—	Glass-filled polyamide
Mechanical interlock latch	—	Glass-filled polyamide
Plastic enclosure	—	PBT/polycarbonate blend
Terminal screws	LED module, contact blocks	Zinc-plated steel with chromate
Terminals	LED module, contact blocks	Brass with silver-nickel contacts
Housing	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	Illuminated push button, non-illuminated push button, multi-function illuminated and non-illuminated	Automotive industry acceptable silicone

Bulletin 800FC
22.5 mm Configured Pendant Stations
Approximate Dimensions

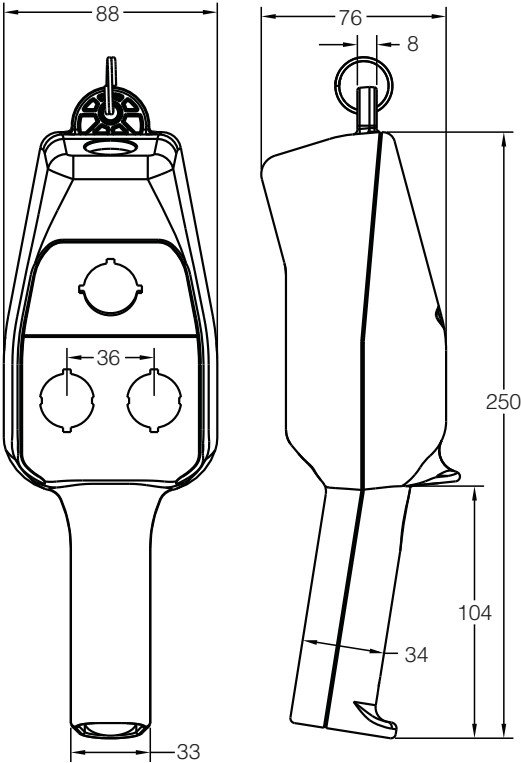
Approximate Dimensions *
Bul. 800FC 1-, 2-, and 3-Speed Operator



Bul. 800FC Legend Plate

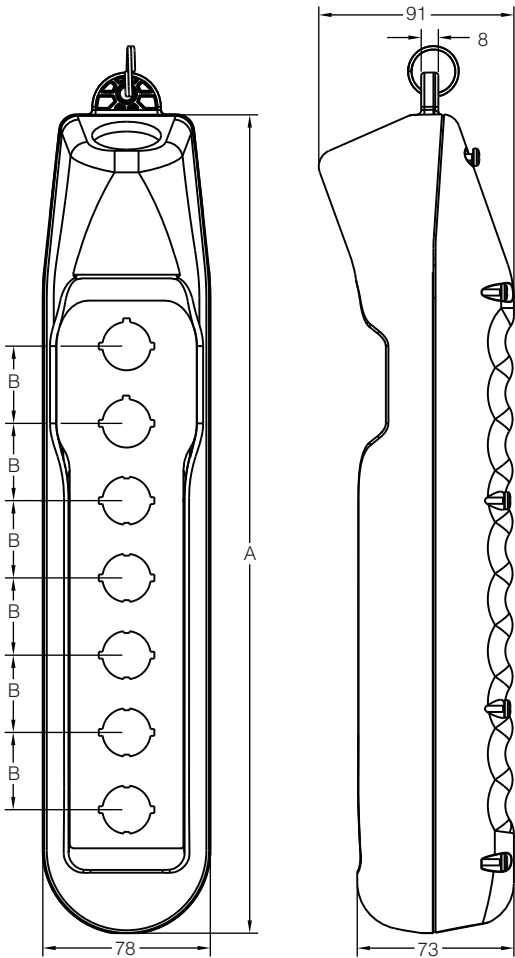


Bul. 800FC Pendant Station (3-Hole)



Bul. 800FC Pendant Station (5-, 7-, and 9-Hole)

Cat. No.	No. of Holes	A	B
800FC-4/5/C/D	5	309	36
800FC-6/7/E/F	7	381	36
800FC-8/9/G/H	9	453	36



* For Bul. 800F operator dimensions, see page 10-120.