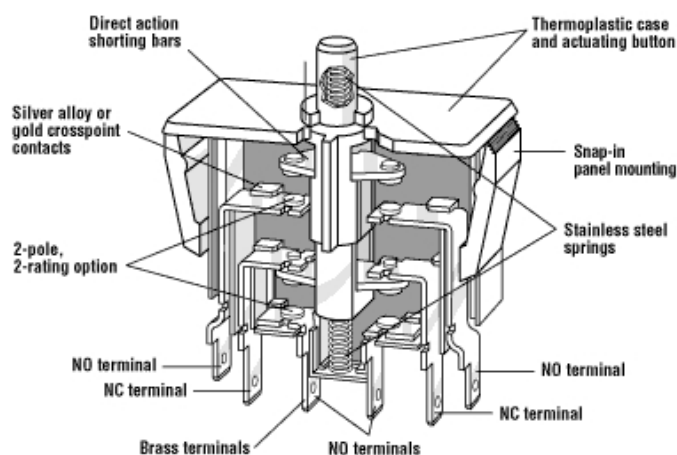


Line Interrupt Panel Mount Pushbutton Switch

F80 Series



Features

- Snap-in panel mounting
- High overtravel
- Choice of standard housing or button barrier
- 3 terminal types
- Double make/break shorting bars
- Agency approved extended life available
- International approval standard
- 3mm (0.12") minimum contact gap

Electrical Ratings and Operating Life				
Switch Series	According to EN61058		According to UL1054	
	Nominal Load	Operation cycles	Nominal Load	Operation cycles
F81	10(3)A, 400 VAC	50,000	10A, 125/250 VAC, 3/4HP 125 VAC 1 1/2 HP 250 VAC; 6A 30VDC	6000*
F82	16(6)A, 250 VAC	50,000	16A, 125/250 VAC, 3/4 HP 125VAC 1 1/2 HP 250VAC; 6A 30VDC	6000*
F83	0.1(0.05)A, 250 VAC	50,000	0.1A, 125/250 VAC	6000*
F84	Mixed ratings Consult factory	50,000	Mixed ratings. Consult factory.	6000*

* Indicates 100K UL approved life available

Technical Specifications		Material Specifications	
Temperature Rating:	-25°C to +85°C	Case:	Thermoplastic Polyester
Flammability Rating:	UL94V-0	Actuator button:	Thermoplastic Polyester
		Terminals:	Brass
		Moving Blade:	Brass
		Springs:	Stainless Steel
UL File Number:	E23301	Contacts:	F81/F82: Silver Alloy F83: Gold Crosspoint F84: Silver Alloy/Gold Crosspoint

RoHS Compliant

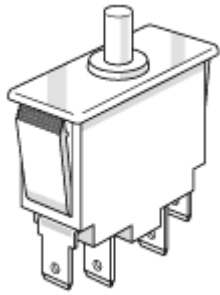
Specifications subject to change without notice



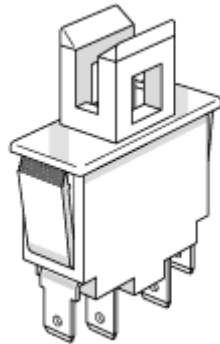
Line Interrupt Panel Mount Pushbutton Switch

F80 Series

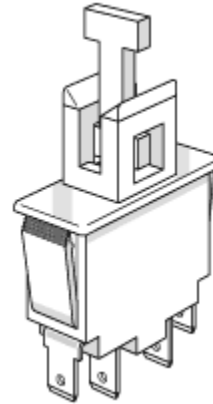
Case Styles



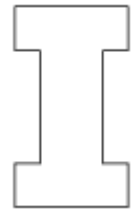
Basic Case Housing



Button Barrier Housing



Button Barrier shown with 'Cheat' tool



Part Numbers

White: 0014-4945

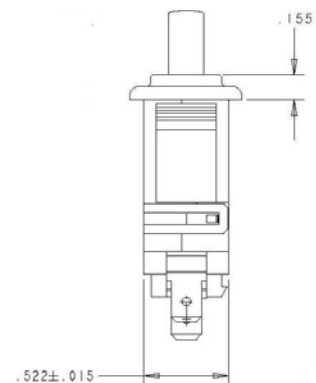
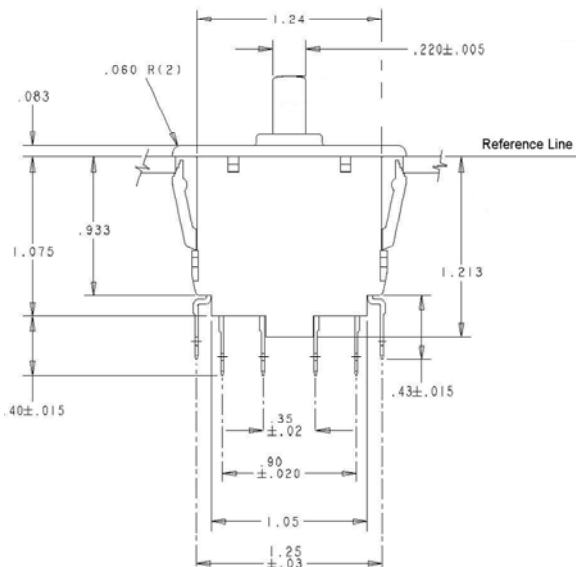
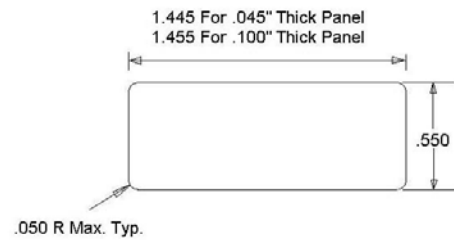
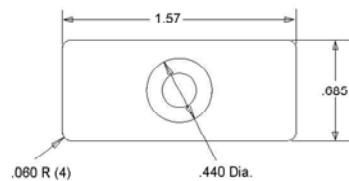
Red: 0014-5451

'Cheat' tool

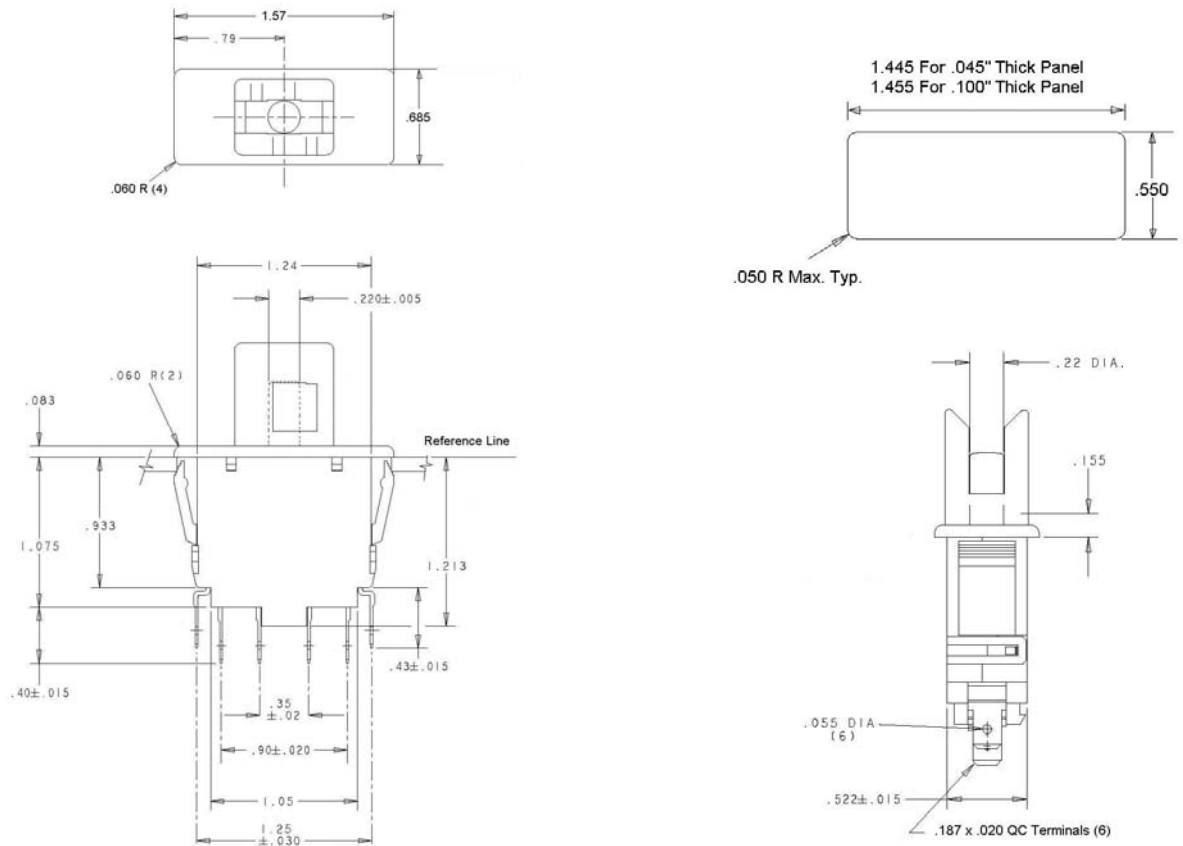
Dimensions inches(mm)

BASIC CASE HOUSING

(F81J-A110 shown)



BUTTON BARRIER HOUSING (F81J-B110 shown)



Ordering Information

F8			A			B		1		20**	
Series/ Prefix			Code	Pole	Contact Configuration	Code	Case	Code	Type	Code	Terminal Type inches (mm)
1			A	1 & 3 2	SPST NO DM Vacant	A	Basic	1	Standard	10	0.187 x 0.020 (4.75 x 0.51) QC
2			J	1 2 3	SPST NO DM SPDT NC DM SPDT NO DM	B	Actuator Barrier			20	0.250 x 0.032 (6.35 x 0.81) QC
3			X	1 & 2 3	Vacant SPST NC DM					40	0.187 x 0.032 (4.75 x 0.81) QC
4			Y	1 & 3 2	Vacant SPST NC DB					** To order 100,000 cycle UL approved switch, make last digit of part number an 'L'. For instance part number would be F82A-B12L	
4*			Z	1 2 3	Vacant SPDT NC DB SPDT NO DM						
			V	1 2 & 3	SPST NO DM Vacant						

* Special order. Contact factory for part number

*DB= Double break
*DM= Double make

Specifications subject to change without notice



Specifications

Switch Part Number	Maximum Operate Force (g)	Maximum Pre-Travel inches(mm)	Operating Point inches (mm)	Minimum Overtravel inches (mm)	Full Overtravel Position inches(mm)	Max. Rest Position* inches(mm)
F81A-A120	866	0.236 (5.99)	0.354 +/- 0.039 (8.99 +/- 0.99)	0.079 (2.01)	0.305 (7.75)	0.551 (14.00)
F82A-A120	866	0.236 (5.99)	0.354 +/- 0.039 (8.99 +/- 0.99)	0.079 (2.01)	0.305 (7.75)	0.551 (14.00)
F81X-A120	866	0.236 (5.99)	0.354 +/- 0.039 (8.99 +/- 0.99)	0.079 (2.01)	0.305 (7.75)	0.551 (14.00)
F82X-A120	866	0.236 (5.99)	0.354 +/- 0.039 (8.99 +/- 0.99)	0.079 (2.01)	0.305 (7.75)	0.551 (14.00)

Note: Characteristics taken above reference line

Specifications subject to change without notice

Contact

Call, fax or visit our
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