

Panel Mount Pushbutton Switch



F8 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
- 3 mm (0.12") minimum contact gap

Standard Parts¹

F81A-A120 F82A-A120 F81X-A120 F82X-A120

¹The part number configuration matrix below provides details to the part numbers above.

For configurable part numbers that are not listed above, not listed in your region, or for custom part numbers, contact the factory or your distributor: switches-sensors@zf.com

Order Code Matrix

F8		2		A		B		1		20**	
Series/ Prefix											

*DB= Double break
*DM= Double make

** To order 100,000 cycle UL approved switch, make last digit of part number an 'L'. For instance part number would be F82A-B12L

* F82J Obsolete October, 2023

Electrical Specifications – Contact Ratings

Switch Series	EN61058		UL1054	
	Nominal load	Operation cycles	Nominal load	Operation cycles
F81	10(3)A, 400 VAC	50,000	10A, 125/250 VAC, ¾ HP 125 VAC 1 ½ HP 250 VAC; 6 A 30VDC	6,000*
F82	16(6)A, 250 VAC	50,000	16A, 125/250 VAC, ¾ HP 125 VAC ½ HP 250VAC; 6A 30VDC	6,000*
F83	0.1(0.05)A, 250 VAC	50,000	0.1A, 125/250 VAC	6,000*

* Indicates 100K UL approved life available

<https://switches-sensors.zf.com/>



Environmental and Mechanical Specifications

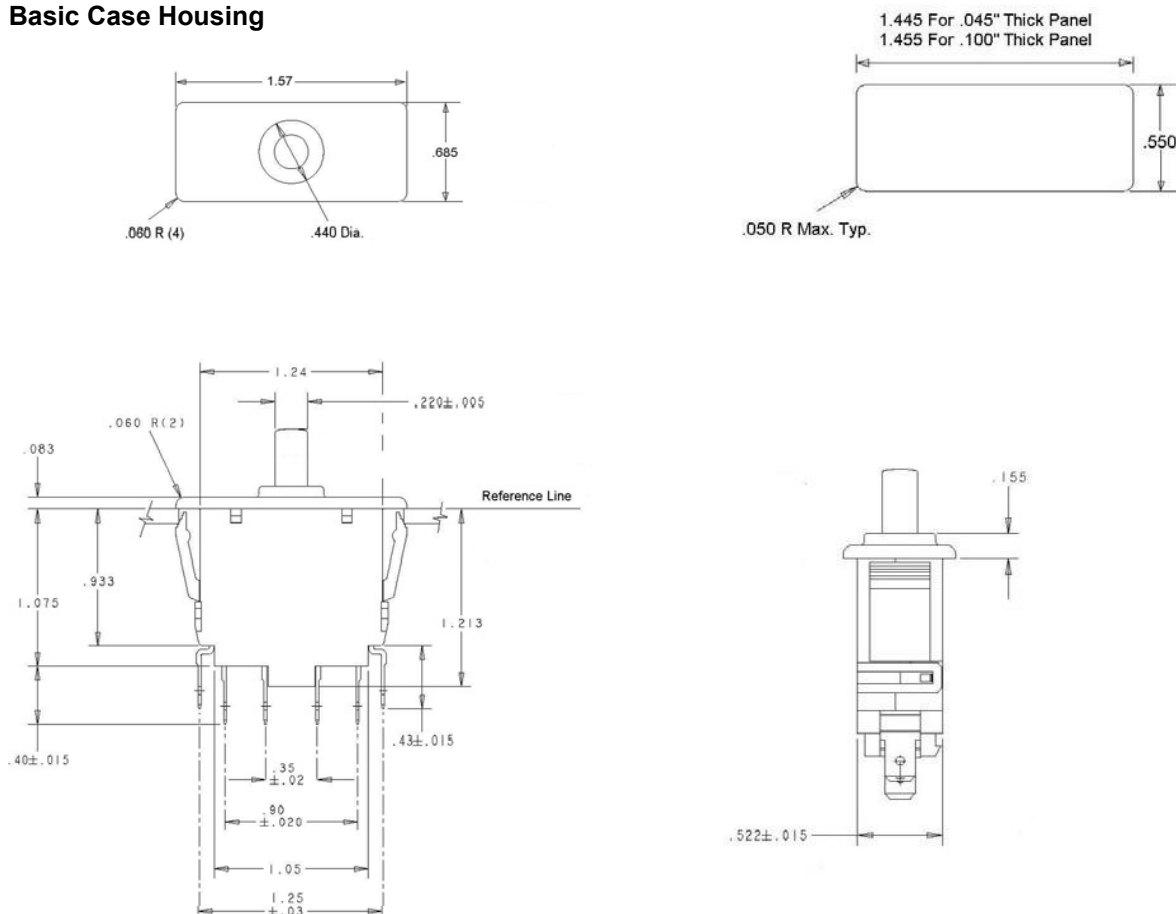
Operating force	max. 850 cN
Temperature range	-25°C to +85 °C

Material Specifications

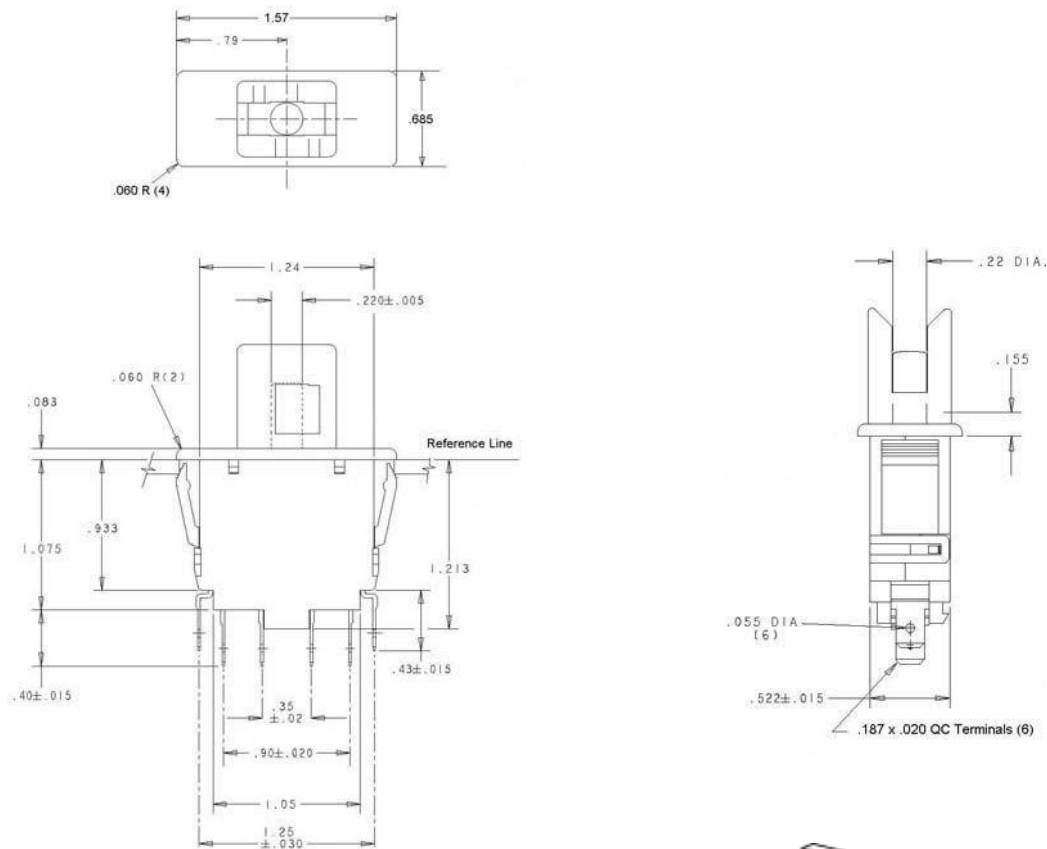
Case	Thermoplastic Polyester
Actuator button	Thermoplastic Polyester
Terminals	Brass
Moving blade	Brass
Springs	Stainless steel
Contacts	F81/F82: Silver Alloy, F83: Gold Crosspoint
Degree of protection switch interior	IP40

Dimensions inches (mm)

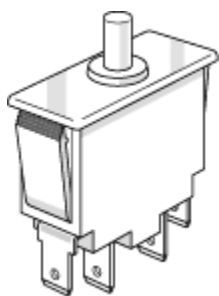
Basic Case Housing



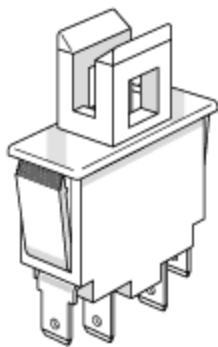
Button Barrier Housing



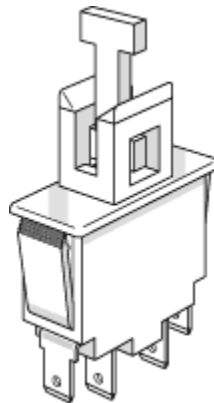
Case Versions



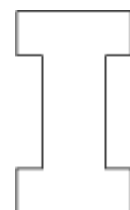
Basic Case Housing



Button Barrier Housing



Button Barrier shown
with "Cheat" tool



Part Numbers

White: 0014-4945

Red: 0014-5451