ILLUMINATED BLUE PUSH BUTTON (PLASTIC OPERATED)
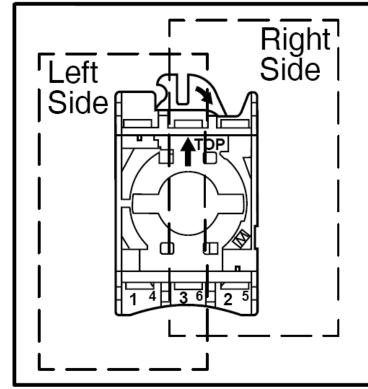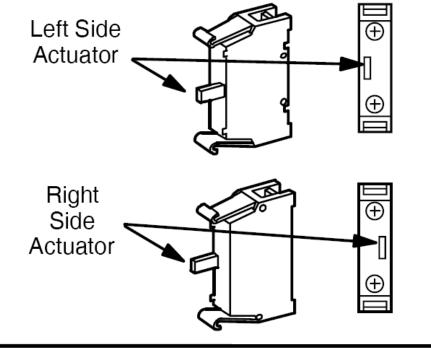

Mechanical Ratings		
Description	**Plastic (800EP/ES)**	**Metal (800EM/EB)**
Vibration (assembled to panel)	10…2000 Hz, 1.52 mm displacement (peak-to-peak) max./10 G max.	
Shock	1/2 cycle sine wave for 11 ms and no damage at 100 G	
Degree of protection	IP66 (NEMA Type 3/3R/4/4X/12/13) IP65 (potentiometer only) (NEMA Type 4/4X/13) IP40 multi-function without boot IP66 multi-function with boot	IP66 (NEMA Type 3/3R/4/12/13)
Mechanical design life (typical)	10,000,000 Cycles: non-illuminated push buttons 3,000,000 Cycles: illuminated push buttons 3,000,000 Cycles: multi-function operators 500,000 Cycles: mushroom operators, selector operators 200,000 Cycles: illuminated selector operators 100,000 Cycles: mushroom key operators (plastic), push-pull/twist operators, wobble stick and joy stick operators 50,000 Cycles: mushroom key operators (metal)	
Operating forces (typical)	5N: flush, extended operators	
Environmental		
Temperature range (operating): per IEC 947-1	−25…+55°C (−13…+131°F) ❷	
Temperature range (short term storage): per IEC 947-1	−40…+70°C (85°C maximum for 24 hours) −40…+158°F (185°F maximum for 24 hours)	
Humidity	50% to 95% RH from 25…60°C (77…140°F) per: Procedure IV of MIL-STD-810C, Method 507.1 cycling test	
Materials		
Bushings, mounting rings	Glass-filled thermoplastic polyester, rated UL94 V-O	Die-cast zinc; dark olive chromate finish
Legend frames	Glass-filled thermoplastic polyester, rated UL94 V-O	
Bezels	Glass-filled thermoplastic polyester, rated UL94 V-O	Anodized aluminum (EB, EM, ES line)
Seals: diaphragm style	Silicone rubber	
Seals: lip and flat gasket styles	Nitrile rubber	
Illuminated lenses	Transparent nylon Type 12	

3-Across Mounting Latch

Contact block can be mounted in the left side or right side of mounting latch, as determined by actuator piston.

Left Side Actuator

Right Side Actuator

Left side actuator mounted in the left side of mounting latch as viewed from back of panel.

Right side actuator mounted in the right side of mounting latch as viewed from back of panel.