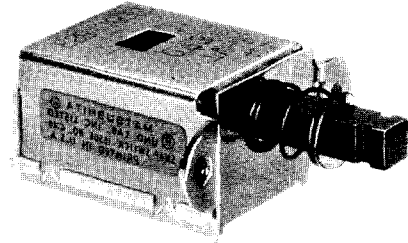


# UL-CSA (TV-3) Rating Push Button Switches

## ESB-1150DS, 1150DD

- UL Listed: TV-3 Rating (File No.E36636)  
CSA Listed: TV-3 Rating (File No.LR29638)
- Lock type and non-lock type are available.
- Circuitry

DPST	DPDT
ESB-1150 DS	ESB-1150 DD



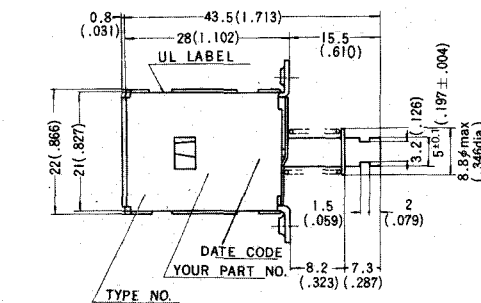
ESB-1150

Specifications

Mechanical Characteristics	Shaft Strength	To withstand 5kg push applied along the shaft for 1 minute.	Life	Be satisfied all requirements in the standard of TV-3 Rating of UL 20 and 492 issued April 2, April 3, 1970.  (Reference) Overload Test: Steady state currents 4.5amp (rms), minimum inrush currents 71 amp (peak) with tungsten-filament-lamp load for 50 cycles. Endurance Test: Steady state currents 3 amp (rms), minimum inrush currents 51 amp (peak) for 10,000 cycles. Temperature Rise: 30°C max. at 3 amp. Withstanding Voltage: 900VAC (60 Hz) for 1 minute. Continued Endurance Test: With the same conditions, for 15,000 cycles additional test, capable of making and breaking and the same withstanding voltage check.
	Stroke	Lock: 4±0.5 mm (.157±.020") Full: 5.5 <sup>+1</sup> <sub>-0.5</sub> mm (.217 <sup>+0.040</sup> <sub>-.020</sub> ")		
	Operating Force	600g to 1300g ( 21.2 oz to 45.9 oz)		
Electrical Characteristics	Contact Resistance	After several times no-load operations: 25mΩ max. at 1A DC		
	Insulation Resistance	500MΩ min. at 500VDC		
	Humidity	30 minutes after being subjected to 40°±2°C; 90~95% RH for 48 hrs.; Withstanding Voltage: 1,000VAC for 1 minute Insulation Res.: 10MΩ min. at 500VDC		

Standard Packing ..... 1,000 pcs., 3.0 cft., 25 kg (55 lbs)

Dimensions



Unit: mm (inch)

