

# EPD SERIES

## SMT OF EDGE ACTUATED TYPE

### Features

- **SMT** of edge actuated type (**SMT** piano type) easy setting on closely racked **PCB**.
- Gold plated contact to ensure low contact resistance and long operation life and tin plated terminal to prevent contamination during soldering.
- All materials are UL 94V-0 grade fire retardant plastics.
- Twin contact designed to ensure stable contact.
- Smaller size make better heat convection during PC board reflow soldering.
- Bottom epoxy sealed standard to ensure free of flux immersion during wave soldering.
- Low profile with top tape sealed to withstand board washing.



## SPECIFICATIONS

### 1. ELECTRICAL

Contact rating	
Switching	25mA, 24VDC
Non-switching	100mA, 50VDC
Contact resistance	
Initial:	50m ohm Max.
After Life test:	100m ohm Max.
Insulation Resistance	1000M ohm Min. at 100VDC
Dielectric strength	500VDC Min. for 60 seconds
Capacitance between adjacent switches	5pF Max.

### 2. MECHANICAL AND ENVIRONMENTAL

Temperature rating	
Operating	-25°C to +70°C
Storage	-40°C to +85°C
Operating force	800g Max.
Operating life	2000 Operations
Humidity	95% RH, 40°C for 96 Hrs.
Vibration	Per MIL-STD-202F, Method 204D
Solderability	After flux 230 ± 5°C for 5 ± 0.5 seconds, 95% coverage.
Soldering heat	260 ± 5°C for 10 ± 1 sec. 280 ± 5°C for 2 ± 0.5 sec. (Resistance to IR Reflow Soldering Heat)

## PART NUMBERING SYSTEM

EPD 1 08 1 1 00



