idec

LW SERIES

Features

- Ø 7/8" (22.5mm) mounting holes
- High density units can be mounted on 25mm centers
- Choose from silver (5 amp) or gold (low level) contacts
- Quick release removable contacts
- Ergonomically designed with low actuation force
- Choice of solder, PCB or screw terminal blocks
- Tamper-proof construction
- UL, CSA and IEC Certified, CE marked

Specifications

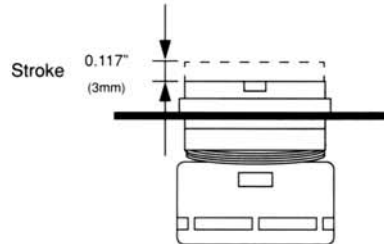| Operating Temperature	-25 to +60°C (without freezing) LED illuminated type: -25 to +50°C
Storage Temperature	-40 to +80°C
Operating Humidity	45 to 85% RH
Contact Resistance	50mΩ maximum (initial value)
Insulation Resistance	100MΩ minimum (500V DC megger)
Dielectric Strength	Switch Unit	Between live part and ground: 2,500V AC, 1 minute Between terminals of different poles: 2,500V AC, 1 minute Between terminals of the same pole: 1,000V AC, 1 minute
	Illumination Unit	Between live part and ground: 2,500V AC, 1 minute
Vibration Resistance	Operating extremes: 5 to 55Hz, Amplitude 1.0mm p-p
Shock Resistance	Damage limits: 1,000 m/sec² (Approx. 100G) Operating extremes: 100 m/sec² (Approx. 10G)
Mechanical Life (minimum operations)	Momentary: 1,000,000 Alternate: 500,000 Selector: 250,000 Illuminated Selector: 250,000
Electrical Life (minimum operations)	Momentary: 100,000 (at 1,800 operations/hour) Alternate: 100,000 (at 900 operations/hour) Selector: 100,000 (at 900 operations/hour)
Degree of Protection	IP65 (IEC Pub529)
Terminal Style	Solder/tab terminal (#110) PC board terminal Screw terminal

Light Touch Reduces Strain

Light touch snap-switching mechanism reduces operator strain. Requires only a 0.117" (3.0mm) stroke and approximately 0.062" (1.6mm) inversion of contact. All LW series pushbuttons feature a low profile bezel with a height of 9mm.

Gold & Silver Contacts

LW series feature both gold-clad cross-bar and silver contacts. Compatible with programmable logic controllers and other electronic components. Contact configuration available in SPDT, DPDT, or 3PDT.

PC Board Mounts

PC Mounts can be directly soldered to a PC board and removed from the operator. Easy to install, wire, maintain and saves panel space. No need for special mounting adapters or special preparation of the operation panel.

Operating-force Snap Switching Mechanism