

1. RATINGS

12V DC, 50mA

2. MECHANICAL SPECIFICATIONS

2.1 Actuating Force	As per individual specification
2.2 Return Force	Greater than 50gf
2.3 Stop Strength	Greater than 3kgf (for 3 seconds)
2.4 Travel	0.3 ± 0.15mm
2.5 Arrangement of Action	Tactile feed - back
2.6 Operating Temperature Rang	-30°C ~ 80°C, 45 ~ 85%RH
2.7 Storage Temperature Range	-35°C ~ 85°C However, 96 hours maximum for continuous storage over a range -20°C ~ 30°C and range 70°C ~ 80°C
2.8 Stem withdrawal Force	Greater than 500gf (pull vertically to the opposite direction of stem operation)

3. ELECTRICAL SPECIFICATIONS

3.1 Contact Arrangement	single pole, single throw
3.2 Contact Resistance	Less than 100mΩ when tested by the voltameter method at 5V DC 10mA, or by an ohmmeter allowing a small current at 1000Hz (measurements to the made with a 180±50gf, 250±50gf load applied vertically at the center of switch)
3.3 Insulation Resistance	Greater than 100MΩ (100V DC insulation resistance meter)
3.4 Dielectric Strength	Capable of withstanding 250V AC, for 1(one) min.
3.5 Bounce	Less than 10msec (the key shall be struck lightly vertically at its center at a uniform cycling rate of 3 operations per second)

4. ENDURANCE

4.1 Operating Life	Following 500,000cycles of operation cycling rate (2 operations per sec.)at a force of depression not exceeding 180gf with a resistive load supplying 12V DC, 50mA, the following requirements shall be satisfied :
4.1.1 Actuating Force	Plus or minus 50% of the initial force
4.1.2 Contact Resistance	Less than 100mΩ
4.1.3 Bounce	Less than 20mΩ
4.2 Moisture Resistance	Following exposure to a 60°C ±2°C, 90 ~ 95%RH, environment in a test chamber for 96 hours and then, out of the chamber, to room conditio of normal temperature and humidity for 30 minutes, the requirements set forth below shall be met.
4.2.1 Insulation Resistance	Greater than 10MΩ
4.2.2 Dielectric Strength	Same as Item 3.4
4.2.3 Contact Resistance	Same as Item 3.2
4.3 Heat Resistance	Following exposure to an 85°C environment in a test chamber for 96 hours and then, out of the chamber, to room condition of normal temperature and humidity for 30 minutes, the requirements in Items 2 and 3 shall be satisfied.

DATE		DESIGNED	CHECKED	APPROVED	PAGE
S/W TYPE	TACT S/W				1 / 2
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