

# SPECIFICATION

DGKD/JS-SK-231

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ITEM	TEST CONDITIONS	PERFORMANCE
5.3	DISPLACEMENT OF ACTUATOR (KNOB) A STATIC LOAD OF 9.8 N (1kgf) SHALL BE APPLIED TO THE TOP OF THE ACTUATOR (KNOB) AND THEN DISPLACEMENT SHALL BE MEASURED TO THE DIRECTION OF THE ARROW.	THE LEVER SHALL HAVE NO SERIOUS DEFORMATION AND FUNCTION IS NORMALLY.

## 6. ENDURANCE CHARACTERISTICS

ITEM	TEST CONDITIONS	PERFORMANCE
6.1	MECHANICAL-LIFE TEST SWITCH SHALL BE SUBJECTED TO 10,000 CYCLES AT A SPEED OF 15~25 PER MINUTE WITHOUT LOAD.	1. CONTACT RESISTANCE: $\leq 100\text{m}\Omega$ 2. INSULATION RESISTANCE: $\geq 50\text{M}\Omega$ 3. UNDER A VOLTAGE 500V AC (50Hz) WITHOUT DESTROYING AND LOSSING. 4. OPERATING FORCE $\pm 50\%$ SPEC. 5. NO DEFORMATION AND LOOSENESS
6.2	SOLDERABILITY TEST THE TOP OF THE TERMINALS SHALL BE DIPPED 2mm IN THE SOLDER BATH OF $230 \pm 5^\circ\text{C}$ FOR $3 \pm 0.5$ SECONDS.	THE AREA OF SOLDERABILITY SHOULD BE OVER 75%.
6.3	RESISTANCE TO SOLDERING HEAT TEST SOLDER BATH METHOD: SOLDER TEMPERATURE $250 \pm 5^\circ\text{C}$ IMMERSION TIME $3 \pm 0.5$ SEC IMMERSION DEPTH UP TO THE SURFACE OF THE BOARD THICKNESS OF PRINTED WIRING BOARD 1.6mm DIMENSIONS OF COMPONENT HOLES IN THE PRINTED WIRING BOARD SHALL BEING ACCORDANCE WITH THOSE SPECIFIED IN THIS SPECIFICATION.	WITHOUT DEFORMATION OF CASE OR EXCESSIVE LOOSENESS OF TEMINALS. ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED.
6.4	COLD TEST THE SWITCH SHALL BE STORED AT A TEMPERATURE OF $-25 \pm 3^\circ\text{C}$ FOR 48 HOURS. AND THEN IT SHALL BE SUBJECTED TO THE CONTROLLED RECOVERY CONDITIONS FOR 1 HOUR AFTER WHICH MEASURE MENT SHALL BE MADE.	THERE SHALL BE NO DEFORMATION OR CRACKS IN MOLDED PART.
6.5	HEAT TEST THE SWITCH SHALL BE STORED AT A TEMPERATURE OF $70 \pm 2^\circ\text{C}$ FOR 48 HOURS. THEN THE SWITCH SHALL BE MAINTAINED AT STANDARD ATMOSPHERIC CONDITIONS FOR 1 HOUR AFTER WHICH MEASUREMENT SHALL BE MADE.	THERE SHALL BE NO DEFORMATION OR CRACKS IN MOLDED PART.
6.6	HUMIDITY TEST THE JACK SHALL BE STORED AT A TEMPERATURE OF $40 \pm 2^\circ\text{C}$ AND A HUMIDITY OF 90% TO 95% FOR 96 HOURS. THEN THE SWITCH SHALL BE MAINTAINED AT STANDARD ATMOSPHERIC CONDITION FOR 1 HOUR PROCEDURES BE MADE.	THERE SHALL BE NO DEFORMATION OR CRACKS IN MOLDED PART.