




| APPLICABLE STANDARD | | | | | |
|---|-----------------------------|---|--|---|--|
| RATING | OPERATING TEMPERATURE RANGE | -25°C TO +85°C (NOTE 1) | STORAGE TEMPERATURE RANGE | -10°C TO +60°C (NOTE 2) | |
| | OPERATING HUMIDITY RANGE | 40% TO 80% | STORAGE HUMIDITY RANGE | 40% TO 70% (NOTE 2) | |
| | VOLTAGE | 250V AC | APPLICABLE CABLE | AWG 22 TO 26 (ϕ 1.35 TO ϕ 1.70) | |
| | CURRENT | AWG 22~24 : 3 A AWG 26 : 2 A | | | |
| SPECIFICATIONS | | | | | |
| ITEM | | TEST METHOD | REQUIREMENTS | QT | AT |
| CONSTRUCTION | | | | | |
| GENERAL EXAMINATION | | VISUALLY AND BY MEASURING INSTRUMENT. | ACCORDING TO DRAWING. | X | X |
| MARKING | | CONFIRMED VISUALLY. | | X | X |
| ELECTRIC CHARACTERISTICS | | | | | |
| CONTACT RESISTANCE | | 1A (DC OR 1000 Hz). | 10m Ω MAX. | X | — |
| MECHANICAL CHARACTERISTICS | | | | | |
| CONTACT INSERTION AND EXTRACTION FORCES | | $\square 0.635 \pm 0.002$ mm BY STEEL GAUGE. | INSERTION FORCE : 4.4 N MAX. EXTRACTION FORCE : 0.4 N MIN | X | — |
| MECHANICAL OPERATION | | 30 TIMES INSERTIONS AND EXTRACTIONS. | ① CONTACT RESISTANCE: 20m Ω MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | X | — |
| VIBRATION | | FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, AT 2 h, FOR 3 DIRECTIONS. | ① NO ELECTRICAL DISCONTINUITY OF 1 μ s. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | X | — |
| SHOCK | | 490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS. | ① NO ELECTRICAL DISCONTINUITY OF 1 μ s. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | X | — |
| ENVIRONMENTAL CHARACTERISTICS | | | | | |
| RAPID CHANGE OF TEMPERATURE | | TEMPERATURE -25 \rightarrow 5 TO 35 \rightarrow +85 \rightarrow 5 TO 35 °C TIME 30 \rightarrow 10 \rightarrow 30 \rightarrow 10 min UNDER 5 CYCLES. | ① CONTACT RESISTANCE: 10m Ω MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | X | — |
| DAMP HEAT (STEADY STATE) | | EXPOSED AT 40 \pm 2 °C, 90 TO 95 %, 96 h. | ① CONTACT RESISTANCE: 10m Ω MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | X | — |
| SULPHUR DIOXIDE | | EXPOSED IN 5 %, 35°C, SALT WATER SPRAY FOR 48 h. | NO HAEAVY CORROSION. | X | — |
| REMARKS | | | | | |
| NOTE 1:INCLUDING THE TEMPERATURE RISE BY CURRENT. | | | | | |
| NOTE 2:APPLY TO THE CONDITION OF LONG TERM STORAGE FOR UNUSED PRODUCTSBEFORE PCB ON BOARD. | | | | | |
| AFTER PCB BOARD , OPERATING TEMPERATURE AND HUMIDITY RANGE IS APPLIED FOR INTERM STORAGE DURING TRANSPORTATION. | | | | | |
| | COUNT | DESCRIPTION OF REVISIONS | DESIGNED | CHECKED | DATE |
|  | | | | | |
| Unless otherwise specifid , refer to JIS C 5402. | | | APPROVED | TY.OMA | 06.08.07 |
| | | | CHECKED | HK.UMEHARA | 06.08.07 |
| | | | DESIGNED | AH.MIYAZAKI | 06.08.03 |
| | | | DRAWN | AH.MIYAZAKI | 06.08.03 |
| Note QT:Qualification Test AT:Assurance Test X:Applicable Test | | | DRAWING NO. | | ELC4-008108-02 |
|  | SPECIFICATION SHEET | | PART NO. | HNC-2. 5S-D-A (15) | |
| | HIROSE ELECTRIC CO., LTD. | | CODE NO. | CL218-0037-5-15 |  1/ |