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| APPLICABLE STANDARD | | | | | | |
| RATING | OPERATING TEMPERATURE RANGE | -40 °C TO 105 °C (NOTE1) | | STORAGE TEMPERATURE RANGE | -40 °C TO 105 °C | |
| | VOLTAGE | 250 V AC | | CURRENT | △ 1 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. | △ 2 SIGNAL:30 mΩ MAX, SHIELD:60mΩ MAX. | | X | — | |
| CONTACT RESISTANCE MILLIVOLT LEVEL METHOD | 20 mV AC MAX, 0.1 mA(DC OR 1000Hz) | △ 2 SIGNAL:30 mΩ MAX, SHIELD:60mΩ MAX. | | X | — | |
| INSULATION RESISTANCE | 500 V DC | 100 MΩ MIN. | | X | — | |
| VOLTAGE PROOF | 650 V AC FOR 1 min. | NO FLASHOVER OR BREAKDOWN. | | X | — | |
| MECHANICAL CHARACTERISTICS | | | | | | |
| CONTACT INSERTION AND EXTRACTION FORCES | BY STEEL GAUGE, —. | INSERTION FORCE — N MAX. EXTRACTION FORCE — N MIN. | | — | — | |
| MECHANICAL OPERATION | 30 TIMES INSERTIONS AND EXTRACTIONS. | △ 2 | ① CONTACT RESISTANCE: SIGNAL:60 mΩ MAX, SHIELD:120mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS. | X X | — — | |
| VIBRATION | FREQUENCY 20 TO 200 Hz, 43.1 m/s ² AT 3 h FOR 3 DIRECTIONS. | △ 2 | ① NO ELECTRICAL DISCONTINUITY OF 10 μs. ② CONTACT RESISTANCE: SIGNAL:60 mΩ MAX, SHIELD:120mΩ MAX. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS. | X X X | — — — | |
| SHOCK | FREQUENCY 20 TO 50 Hz, 66.6 m/s ² AT 1 h , FOR 3 DIRECTIONS. | △ 2 | ① NO ELECTRICAL DISCONTINUITY OF 10 μs. ② CONTACT RESISTANCE: SIGNAL:60 mΩ MAX, SHIELD:120mΩ MAX. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS. | X X X | — — — | |
| LOCK STRENGTH | APPLYING A PULL FORCE THE MATING AXIALLY AT 78.4N MIN. | △ 2 | ① DURING APPLYING,MATING COMPLETELY. ② AFTER APPLYING,NO DEFECT OF MATING PARTS. | X X | — — | |
| ENVIRONMENTAL CHARACTERISTICS | | | | | | |
| DAMP HEAT (STEADY STATE) | EXPOSED AT 60 °C, 90 ~ 95 %, 500 h. | △ 2 | ① CONTACT RESISTANCE: SIGNAL:60 mΩ MAX, SHIELD:120mΩ MAX. ② INSULATION RESISTANCE:100 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS. | X X X | — — — | |
| RAPID CHANGE OF TEMPERATURE | TEMPERATURE-40→5 TO 35→85→5 TO 35°C TIME 30 → 5 → 30 → 5 min UNDER 1000 CYCLES. | △ 2 | ① CONTACT RESISTANCE: SIGNAL:60 mΩ MAX, SHIELD:120mΩ MAX. ② INSULATION RESISTANCE:100 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS. | X X X | — — — | |
| DRY HEAT | EXPOSED AT 105°C, 300 h. | △ 2 | ① CONTACT RESISTANCE: SIGNAL:60 mΩ MAX, SHIELD:120mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS. | X X | — — | |
| COLD | EXPOSED AT -55°C , 120 h. | | ① CONTACT RESISTANCE: SIGNAL:60 mΩ MAX, SHIELD:120mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS. | X X | — — | |
| RESISTANCE TO SO ₂ GAS | EXPOSED IN 500 PPM FOR 8h. | △ 2 | ① CONTACT RESISTANCE: SIGNAL:60 mΩ MAX, SHIELD:120mΩ MAX. ② NO HEAVY CORROSION. | X X | — — | |
| △ 2 | | | | | | |
| | | | | | | |
| COUNT | DESCRIPTION OF REVISIONS | | DESIGNED | CHECKED | DATE | |
| △ 2 14 | DIS-T-002416 | | MH. SHOUJI | NH. NAKATA | 11. 10. 06 | |
| REMARK (NOTE1) INCLUDE THE TEMPERATURE RISING BY CURRENT. | | | APPROVED | KS. SATOH | 07. 01. 24 | |
| | | | CHECKED | KS. SATOH | 07. 01. 24 | |
| | | | DESIGNED | NA. HARUBAYASHI | 07. 01. 23 | |
| | | | DRAWN | NA. HARUBAYASHI | 07. 01. 23 | |
| Note QT:Qualification Test AT:Assurance Test X:Applicable Test | | | DRAWING NO. | | ELC4-166640-00 | |
| HRS | SPECIFICATION SHEET | | PART NO. | GT17HS-4S-5CF | | |
| | HIROSE ELECTRIC CO., LTD. | | CODE NO. | CL767-0135-5-00 △ 2 1/1 | | |