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In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

| 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 | \triangle 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. | SIGNAL:30 m Ω MAX, SHIELD:60m Ω MAX. | X | - | |
| CONTACT RESISTANCE MILLIVOLT LEVEL METHOD | 20 mV AC MAX, 0.1 mA(DC OR 1000Hz) | SIGNAL:30 m Ω MAX, SHIELD:60m Ω MAX. | X | - | |
| INSULATION RESISTANCE | 500 V DC | \triangle 100 M Ω 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. \triangle 2 | ① CONTACT RESISTANCE: SIGNAL:60 m Ω MAX, SHIELD:120m Ω MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS. | X | - | |
| VIBRATION | FREQUENCY 20 TO 200 Hz, 43.1 m/s ² AT 3 h FOR 3 DIRECTIONS. \triangle 2 | ① NO ELECTRICAL DISCONTINUITY OF 10 μ s. ② CONTACT RESISTANCE: SIGNAL:60 m Ω MAX, SHIELD:120m Ω MAX. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS. | X | - | |
| SHOCK | FREQUENCY 20 TO 50 Hz, 66.6 m/s ² AT 1 h , FOR 3 DIRECTIONS. \triangle 2 | ① NO ELECTRICAL DISCONTINUITY OF 10 μ s. ② CONTACT RESISTANCE: SIGNAL:60 m Ω MAX, SHIELD:120m Ω MAX. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS. | X | - | |
| LOCK STRENGTH | APPLYING A PULL FORCE THE MATING AXIALLY AT 78.4N MIN. \triangle 2 | ① DURING APPLYING, MATING COMPLETELY. ② AFTER APPLYING, NO DEFECT OF MATING PARTS. | X | - | |
| ENVIRONMENTAL CHARACTERISTICS | | | | | |
| DAMP HEAT (STEADY STATE) | EXPOSED AT 60 °C, 90 ~ 95 %, 500 h. | ① CONTACT RESISTANCE: SIGNAL:60 m Ω MAX, SHIELD:120m Ω MAX. ② INSULATION RESISTANCE:100 M Ω MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS. | X | - | |
| RAPID CHANGE OF TEMPERATURE | TEMPERATURE-40→5 TO 35→85→5 TO 35°C TIME 30 → 5 → 30 → 5 min UNDER 1000 CYCLES. | ① CONTACT RESISTANCE: SIGNAL:60 m Ω MAX, SHIELD:120m Ω MAX. ② INSULATION RESISTANCE:100 M Ω MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS. | X | - | |
| DRY HEAT | EXPOSED AT 105°C, 300 h. | ① CONTACT RESISTANCE: SIGNAL:60 m Ω MAX, SHIELD:120m Ω MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS. | X | - | |
| COLD | EXPOSED AT -55°C , 120 h. | ① CONTACT RESISTANCE: SIGNAL:60 m Ω MAX, SHIELD:120m Ω MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS. | X | - | |
| RESISTANCE TO SO ₂ GAS \triangle 2 | EXPOSED IN 500 PPM FOR 8h. | ① CONTACT RESISTANCE: SIGNAL:60 m Ω MAX, SHIELD:120m Ω MAX. ② NO HEAVY CORROSION. | X | - | |
| \triangle 2 | | | | | |
| | COUNT | DESCRIPTION OF REVISIONS | DESIGNED | CHECKED | DATE |
| \triangle 2 | 8 | DIS-T-002416 | MH. SHOUJI | NH. NAKATA | 11. 10. 06 |
| REMARK (NOTE1) INCLUDE THE TEMPERATURE RISING BY CURRENT. | | | APPROVED | KS. SATOH | 05. 01. 05 |
| | | | CHECKED | NH. NAKATA | 05. 01. 05 |
| | | | DESIGNED | NA. HARUBAYASHI | 05. 01. 05 |
| | | | DRAWN | TK. SHISHIKURA | 05. 01. 05 |
| Note QT:Qualification Test AT:Assurance Test X:Applicable Test | | | DRAWING NO. | | ELC4-166358-00 |
| HRS | SPECIFICATION SHEET | | PART NO. | GT17H-4S-5CF | |
| | HIROSE ELECTRIC CO., LTD. | | CODE NO. | CL767-0087-4-00 | \triangle 2 1/1 |