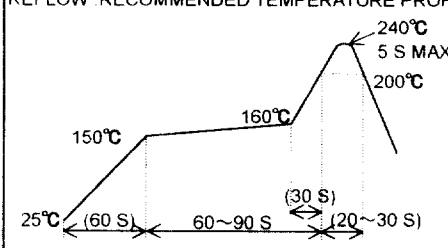


| COUNT | DESCRIPTION OF REVISIONS | BY | CHKD | DATE | COUNT | DESCRIPTION OF REVISIONS | BY | CHKD | DATE |
|-------|--------------------------|----|------|------|-------|--------------------------|----|------|------|
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|-----------------------------|-----------------------------|-----------------|--|
| APPLICATION STANDARD | | | |
| RATING | OPERATING TEMPERATURE RANGE | -55 °C TO 85 °C | STORAGE TEMPERATURE RANGE |
| | VOLTAGE | AC 50 V | OPERATING HUMIDITY RANGE |
| | CURRENT | 0.3 A | RELATIVE HUMIDITY: 95 % MAX (NO DEW CONDENSATION IS PERMITTED) |

| SPECIFICATIONS | | | | | | |
|---|--|---|--------------------|------------------------|--------------------|----------|
| ITEM | TEST METHOD | REQUIREMENT | QT | | | |
| CONSTRUCTION | | | | | | |
| GENERAL EXAMINATION | VISUALLY AND BY MEASURING INSTRUMENT. | ACCORDING TO DRAWING | X X | | | |
| MARKING | CONFIRMED VISUALLY. | | X X | | | |
| ELECTRICAL CHARACTERISTICS | | | | | | |
| CONTACT RESISTANCE | 100 mA (DC OR 1000 Hz). | 60 mΩ MAX. | X X | | | |
| INSULATION RESISTANCE | 100 V DC. | 100 MΩ MIN. | X — | | | |
| VOLTAGE PROOF | 150 V AC FOR 1 min. | NO FLASHOVER OR BREAKDOWN. | X X | | | |
| MECHANICAL CHARACTERISTICS | | | | | | |
| INSERTION AND WITHDRAWAL FORCES | MEASURED BY APPLICABLE CONNECTOR. | INSERTION FORCE: 69.6 N MAX WITHDRAWAL FORCE: 2.9 N MIN. | X — | | | |
| MECHANICAL OPERATION | 50 TIMES INSERTION AND EXTRACTIONS. | 1) CONTACT RESISTANCE: 70 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PART. | X — | | | |
| VIBRATION | FREQUENCY: 10 TO 55 Hz, SINGLE AMPLITUDE: 0.75 mm, — m/s ² AT 10 CYCLES FOR 3 DIRECTIONS. | 1) NO ELECTRICAL DISCONTINUITY OF 1 μs MIN. 2) NO DAMAGE, CRACK AND LOOSENESS OF PART. | X — | | | |
| SHOCK | 490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS. | | X — | | | |
| ENVIRONMENTAL CHARACTERISTICS | | | | | | |
| DAMP HEAT (STEADY STATE) | EXPOSED AT 40±2 °C, 90~95 %, 96 h. | 1) CONTACT RESISTANCE: 70 mΩ MAX. 2) INSULATION RESISTANCE: 100 MΩ MIN. | X — | | | |
| RAPID CHAGE OF TEMPERTURE | TEMPERTURE -55→15~35→ 85→15~35°C TIME 30→ 2~ 3→ 30→ 2~ 3 min. UNDER 5 CYCLES. | 3) NO DAMAGE, CRACK AND LOOSENESS OF PART. | X — | | | |
| DRY HEAT | EXPOSED AT 85 °C, 96 h. | 1) CONTACT RESISTANCE: 70 mΩ MAX. | X — | | | |
| COLD | EXPOSED AT -55 °C, 96 h. | 2) NO DAMAGE, CRACK AND LOOSENESS OF PART. | X — | | | |
| CORROSION SALT MIST | EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h. | NO HEAVY CORROSION. | X — | | | |
| SULPHUR DIOXIDE | EXPOSED IN 10 PPM FOR 96 h. (TEST STANDARD: JIS C 0090) | 1) CONTACT RESISTANCE: 70 mΩ MAX. 2) NO HEAVY CORROSION. | X — | | | |
| RESISTANCE TO SOLDERING HEAT | REFLOW: RECOMMENDED TEMPERATURE PROFILE  TO BE TESTED UNDER THE ABOVE CONDITIONS. | NO MELTING OF RESIN WHICH AFFECTS THE PERFORMANCE OF COMPONENT. | X — | | | |
| SOLDRABILITY | SOLDERED AT SOLDER TEMPERATURE, 235 °C FOR IMMERSION DURATION, 2 s. | NO PINHOLE OR DEWETTING ON SOLDERED SURFACE. | X — | | | |
| REMARKS | | DRAWN | DESIGNED | CHECKED | APPROVED | RELEASED |
| | | <i>[Signature]</i> | <i>[Signature]</i> | <i>[Signature]</i> | <i>[Signature]</i> | |
| UNLESS OTERWISE SPECIFIED, REFER TO JIS C 5402. | | 99.10.27 | 99.10.27 | 99.10.28 | 99.10.28 | |
| NOTE QT: QUALIFICATION TEST AT: ASSURANCE TEST X: APPLICABLE TEST | | | | | | |
| HRS HIROSE ELECTRIC CO., LTD. | | SPECIFICATION SHEET | | PART NO. | | |
| CODE NO.(OLD) | | DRAWING NO. | | CODE NO. | | 1 |
| CL | | ELC4 - 152102 - 02 | | CL 573 - 0044 - 7 - 22 | | 1 |