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| △ | COUNT | DESCRIPTION OF REVISIONS | BY | CHKD | DATE | △ | COUNT | DESCRIPTION OF REVISIONS | BY | CHKD | DATE |
| △ | | | | | | △ | | | | | |
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| APPLICABLE STANDARD | | | | |
| RATING | OPERATING TEMPERATURE RANGE | -35 °C TO +85 °C(NOTE1) | STORAGE TEMPERATURE RANGE | -10 °C TO +60 °C(NOTE3) |
| | OPERATING MOISTURE RANGE | 20 %TO 80 %(NOTE2) | STORAGE MOISTURE RANGE | 40 %TO 70 %(NOTE3) |
| | CURRENT | 1 A | VOLTAGE | 150 V AC(DC) |

SPECIFICATIONS

| ITEM | TEST METHOD | REQUIREMENTS | QT | AT |
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| CONSTRUCTION | | | | |
| GENERAL EXAMINATION | VISUALLY AND BY MEASURING INSTRUMENT. | ACCORDING TO DRAWING. | × | × |
| MARKING | CONFIRMED VISUALLY. | | × | × |

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| ELECTRIC CHARACTERISTICS | | | | |
| CONTACT RESISTANCE | 100 mA (DC OR 1000 Hz). | 30 mΩ MAX. | | |
| CONTACT RESISTANCE MILLIVOLT LEVEL METHOD. | 20 mV MAX, 1mA (DC OR 1000Hz) | | × | - |
| INSULATION RESISTANCE | 100 V DC. | 500 MΩ MIN. | × | - |
| VOLTAGE PROOF | 500 V AC FOR 1 min. | NO FLASHOVER OR BREAKDOWN. | × | - |

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| MECHANICAL CHARACTERISTICS | | | | |
| MECHANICAL OPERATION | 50 TIMES INSERTIONS AND EXTRACTIONS. | ① CONTACT RESISTANCE: 30 mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | × | - |
| VIBRATION | FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, AT 2 h, FOR 3 DIRECTIONS. | ① NO ELECTRICAL DISCONTINUITY OF 1 μs. | × | - |
| SHOCK | 490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS. | ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | × | - |

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| ENVIRONMENTAL CHARACTERISTICS | | | | |
| RAPID CHANGE OF TEMPERATURE | TEMPERATURE -55 →5 TO 35 →+85 →5 TO 35°C TIME 30 →10 TO 15 →30 →10 TO 15min UNDER 5 CYCLES. | ① CONTACT RESISTANCE: 30 mΩ MAX ② INSULATION RESISTANCE: 500 MΩ MIN. | × | - |
| DAMP HEAT (STEADY STATE) | EXPOSED AT 40 ± 2 °C, 90 ~ 95 %, 96 h. | ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | × | - |
| RESISTANCE TO SOLDERING HEAT | (1) REFLOW SOLDERING 《REFLOW AREA》 MAX 250°C WITHIN 10 sec. MIN 230°C WITHIN 60 sec 《PREHEATING AREA》 170°C to 190 °C 60 sec. To 120 sec. PUT THROUGH IN REFLOW FURNACE TWICE. LEAVE IN AMBIENT TEMPERATURE AND HUMIDITY FOR 1 HOUR. CONNECTOR TEMPERATURE TO BE AMBIENT FOR SECOND REFLOW. (2) MANUAL SOLDERING SOLDERING IRON TEMPERATURE 350 ± 5°C, FOR 5 ± 1 sec. NO STRENGTH ON CONTACT. | NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS. | × | - |
| SOLDERABILITY | SOLDERING TEMPERATURE : 235 ± 5°C DURATION OF IMMERSION : SOLDERING, FOR 3 sec. | A NEW UNIFORM COATING OF SOLDER SHALL COVER MINIMUM OF 95 % OF THE SURFACE BEING IMMERSED. | × | - |

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| REMARKS | DRAWN | DESIGNED | CHECKED | APPROVED | RELEASED |
| NOTE1: INCLUDING THE TEMPERATURE RISE BY CURRENT. NOTE2: NON-CONDENSING NOTE3: APPLY TO THE CONDITION OF LONG TERM STORAGE FOR UNUSED PRODUCTS BEFORE PCB ON BOARD, AFTER PCB BOARD, OPERATING TEMPERATURE AND HUMIDITY RANGE IS APPLIED FOR INTERIM STORAGE DURING TRANSPORTATION. Unless otherwise specified, refer to JIS C 5402 | F. Mutsaers | J. Jansen | T. Miyazaki | T. Miyazaki | |
| | 03.3.14 | 03.3.15 | 03.03.25 | 03.03.25 | |

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| Note QT: Qualification Test AT: Assurance Test X: Applicable Test | | | | | |
| HRS HIROSE ELECTRIC CO., LTD. | SPECIFICATION SHEET | | | PART NO. DF14- * P-1.25H(25) | |
| CODE NO.(OLD) CL | DRAWING NO. ELC4-160307-15 | PART NO. | CL538- | 1/1 | |