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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 |
|------|-------------|--------------|----|----|
|------|-------------|--------------|----|----|

CONSTRUCTION

| | | | | |
|---------------------|---------------------------------------|-----------------------|---|---|
| GENERAL EXAMINATION | VISUALLY AND BY MEASURING INSTRUMENT. | ACCORDING TO DRAWING. | × | × |
| MARKING | CONFIRMED VISUALLY. | | × | × |

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. | × | — |

MECHANICAL CHARACTERISTICS

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| 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. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | × | — |
| SHOCK | 490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS. | | | |

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. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | × | — |
| DAMP HEAT (STEADY STATE) | EXPOSED AT 40 ± 2 °C, 90 ~ 95 %, 96 h. | | | |
| 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 FUMACE 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. | <i>F. Matsuki</i> | <i>S. Danbara</i> | <i>T. Miyazaki</i> | <i>T. Miyazaki</i> | |
| Unless otherwise specified, refer to JIS C 5402 | '03. 3. 7 | '03. 3. 7 | '03. 03. 25 | '03. 03. 25 | |

Note QT:Qualification Test AT:Assurance Test ×:Applicable Test

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| HRS HIROSE ELECTRIC CO., LTD. | SPECIFICATION SHEET | PART NO. DF14A- * P-1.25H(26) |
| CODE NO.(OLD) CL | DRAWING NO. ELC4-160309-15 | PART NO. CL538- |
| | | 1/1 |

TO

(MC)