

08/11/2012

TO

| COUNT | DESCRIPTION OF REVISIONS | BY | CHKD | DATE | COUNT | DESCRIPTION OF REVISIONS | BY | CHKD | DATE |
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| APPLICABLE STANDARD | | | | | | | | | |
| RATING | VOLTAGE | 250 V AC | OPERATING TEMPERATURE RANGE | -30 °C TO +85 °C(NOTE1) | | | | | |
| | CURRENT | 2 A | STRAGE TEMPERATURE RANGE | -10 °C TO +60 °C(NOTE2) | | | | | |

| SPECIFICATIONS | | | | | | | | | |
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| 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. | × | — |
| INSULATION RESISTANCE | 500 V DC. | 1000 MΩ MIN. | × | — |
| VOLTAGE PROOF | 650 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→ 5 TO 15→ 30→5 TO 15min UNDER 5 CYCLES. | ① CONTACT RESISTANCE: 30 mΩ MAX. ② INSULATION RESISTANCE:1000 MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | × | — |
| DAMP HEAT (STEADY STATE) | EXPOSED AT 40±2 °C, 90 TO 95 %, 96 h. | ① CONTACT RESISTANCE: 30 mΩ MAX. ② INSULATION RESISTANCE: 500 MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | × | — |
| RESISTANCE TO SOLDERING HEAT | [RECOMMENDED TEMPERATURE PROFILE] SOLDER TEMPERATURE, 260 ± 3°C, FOR IMMERSION ,DURATION ,10 s. [RECOMMENDED MANUAL SOLDERING CONDITION] SOLDERING IRON TEMPERATURE: 290 ± 10°C FOR WITHIN 3 s. NO STRENGTH ON CONTACT. NO STRENGTH ON CONTACT. | NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS. | × | — |
| SOLDERABILITY | SOLDERED AT SOLDER TEMPERATURE, 245°C FOR IN IMMERSION ,DURATION ,10s. | A NEW UNIFORM COATING OF SOLDER SHALL COVER MINIMUM OF 95 % OF THE SURFACE BEING IMMERSED. | × | — |
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| REMARKS NOTE1:INCLUDING THE TEMPERATURE RISE BY CURRENT. NOTE2: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. | DRAWN | DESIGNED | CHECKED | APPROVED | RELEASED |
| | F.Matsuki | H. Umehara | T. Miyogaki | T. Ona | |
| | '04.03.31 | 04.03.31 | 04.03.31 | 04.03.31 | |

Unless otherwise specified, refer to JIS C 5402.

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

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| HS HIROSE ELECTRIC CO., LTD. | SPECIFICATION SHEET | PART NO. DF11-*DS-2DSA (06) |
| CODE NO.(OLD) CL | DRAWING NO. ELC4-162401-02 | PART NO. CL543 |

1/1