

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

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| COUNT | DESCRIPTION OF REVISIONS | BY | CHKD | DATE | COUNT | DESCRIPTION OF REVISIONS | BY | CHKD | DATE |
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| APPLICABLE STANDARD | | OPERATING TEMPERATURE RANGE | -30 °C TO +85 °C(NOTE1) |
| VOLTAGE | 250 V AC | STORAGE TEMPERATURE RANGE | -10 °C TO +60 °C(NOTE2) |
| CURRENT | 3A | APPLICABLE CONNECTOR | DF3A—*P—2DSA(**) |
| APPLICABLE CABLE | UL1061, UL1007.AWG24~28 | | |

SPECIFICATIONS

| ITEM | TEST METHOD | REQUIREMENTS | Q/T | A/T |
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| CONSTRUCTION | | | | |
| GENERAL EXAMINATION | VISUALLY AND BY MEASURING INSTRUMENT. | ACCORDING TO DRAWING. | X | X |
| MARKING | CONFIRMED VISUALLY. | | X | X |

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| ELECTRIC CHARACTERISTICS | | | | |
| CONTACT RESISTANCE | 100 mA (DC OR 1000 Hz). | 30 mΩ MAX. | X | — |
| INSULATION RESISTANCE | 500V DC | 1000 MΩ MIN | X | — |
| VOLTAGE PROOF | 650V AC FOR 1 min | NO FLASHOVER OR BREAKDOWN | X | — |

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| MECHANICAL CHARACTERISTICS | | | | |
| MECHANICAL OPERATION | 30TIMES INSERTIONS AND EXTRACTIONS. | ① CONTACT RESISTANCE: 30 mΩ MAX. ② NO DAMAGE, CRACK AND LOSENESS OF PARTS. | X | — |
| VIBRATION | FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, AT 2 h, FOR 3 DIRECTIONS. | ① NO ELECTRICAL DISCONTINUITY OF PARTS. ② NO DAMAGE, CRACK AND LOSENESS OF PARTS. | X | — |
| SHOCK | 490 ms ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS. | ① NO ELECTRICAL DISCONTINUITY OF PARTS. ② NO DAMAGE, CRACK AND LOSENESS OF PARTS. | X | — |

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| ENVIRONMENTAL CHARACTERISTICS | | | | |
| DAMP HEAT (STEADY STATE) | EXPOSED AT 40±2 °C, 90 ~ 95 %, 96 h. | ① CONTACT RESISTANCE: 30 mΩ MAX. ② INSULATION RESISTANCE: 1000MΩ MIN. NO DAMAGE, CRACK AND LOSENESS OF PARTS. | X | — |
| RAPID CHANGE OF TEMPERATURE | TEMPERATURE -65 →-5 TO 35 →+85 →-5 TO 35 °C TIME 30 →10 TO 15 →30 →10 TO15min UNDER 5 CYCLES. | ① CONTACT RESISTANCE: 30 mΩ MAX. ② INSULATION RESISTANCE: 1000MΩ. ③ NO DAMAGE, CRACK AND LOSENESS OF PARTS. | X | — |
| RESISTANCE TO SOLDERING HEAT | SOLDER TEMPERATURE, 260±5°C FOR IMMERSION, DURATION, 5S. | NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS. | X | — |
| SOLDERABILITY | SOLDERED AT SOLDER TEMPERATURE, 230±5°C FOR IMMERSION DURATION, 3S. | A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95% OF THE SURFACE BEING IMMERSUED. | X | — |

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| REMARKS | DRAWN | DESIGNED | CHECKED | APPROVED | RELEASED |
| 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. Unless otherwise specified, refer to JIS C 5402. | M. Nakamoto 104.03.22 | <i>H. Masuhara</i> 04.03.22 | <i>T. Higashigaki</i> 04.03.22 | <i>T. Oae</i> 04.03.22 | |

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

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| HRS | HIROSE ELECTRIC CO., LTD. | SPECIFICATION SHEET | PART NO. | DF3-*S-2DSA (25) |
| CODE NO. (OLD) | DRAWING NO. | ELC4-162329-10 | PART NO. | CL543- |
| CL | | | | 1/1 |

