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

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 | 3A | | | STORAGE TEMPERATURE RANGE | -10 °C TO +60 °C(NOTE2) | | | |
| | APPLICABLE CABLE | UL1061,UL1007:AWG24~28 | | | APPLICABLE CONNECTOR | DF3A-*P-2DSA(**) | | | |
| 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. | | | × | — |
| INSULATION RESISTANCE | | 500V DC | | | 1000 MΩ MIN | | | × | — |
| VOLTAGE PROOF | | 650V AC FOR 1 min | | | NO RLASHOVER OR BREAKDOWN | | | × | — |
| MECHANICAL CHARACTERISTICS | | | | | | | | | |
| MECHANICAL OPERATION | | 30TIMES INSERTIONS AND EXTRACTIONS. | | | ① CONTACT RESISTANCE: 30 mΩ MAX. ② NO DAMAGE, CRACK AND LOSENESS 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 AND LOSENESS OF PARTS. | | | × | — |
| SHOCK | | 490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS. | | | ① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② NO DAMAGE, CRACK AND LOSENESS OF PARTS. | | | × | — |
| 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. | | | × | — |
| RAPID CHANGE OF TEMPERATURE | | TEMPERATURE -55 →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. | | | × | — |
| RESISTANCE TO SOLDERING HEAT | | SOLDER TEMPERATURE, 260±5°C FOR IMMERSION,DURATION,5S. | | | NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS. | | | × | — |
| 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 IMMERSED . | | | × | — |
| 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. | | | | | M.Nakamoto | H.Umehara | T.Hijiyoshi | T.Oma | |
| | | | | | 04.03.22 | 04.03.22 | 04.03.22 | 04.03.22 | |
| Unless otherwise specified, refer to JIS C 5402. | | | | | | | | | |
| Note QT:Qualification Test AT:Assurance Test ×:Applicable Test | | | | | | | | | |
| HRS HIROSE ELECTRIC CO., LTD. | | | | | SPECIFICATION SHEET | | | PART NO. DF3-*S-2DSA (25) | |
| CODE NO.(OLD) CL | | | DRAWING NO. ELC4-162329-10 | | PART NO. CL543- | | | 1/1 | |

