

| APPLICABLE STANDARD | | | | | |
|--|--|--|--|--------------------|---|
| RATING | OPERATING TEMPERATURE RANGE | -40°C TO + 85°C (NOTE 1)  | STORAGE TEMPERATURE RANGE | | -10°C TO + 60°C (NOTE 2) |
| | OPERATING HUMIDITY RANGE | 40% TO 80% (NOTE 3) | STORAGE HUMIDITY RANGE | | 40% TO 70% (NOTE 2) |
| | VOLTAGE | AC 250V | UL·CSA VOLTAGE | AC 30V | |
| | CURRENT | 2A | RATING CURRENT | 2A | |
| SPECIFICATIONS | | | | | |
| ITEM | TEST METHOD | | REQUIREMENTS | | QT AT |
| CONSTRUCTION | | | | | |
| GENERAL EXAMINATION | VISUALLY AND BY MEASURING INSTRUMENT. | | ACCORDING TO DRAWING. | | X X |
| MARKING | CONFIRMED VISUALLY. | | | | X X |
| ELECTRIC CHARACTERISTICS | | | | | |
| CONTACT RESISTANCE | 100mA (DC OR 1000 Hz). | | 30mΩ MAX. | | X - |
| INSULATION RESISTANCE | 500V DC. | | 1000MΩ MIN. | | X - |
| VOLTAGE PROOF | 650V AC FOR 1 min. | | NO FLASHOVER OR BREAKDOWN. | | X - |
| MECHANICAL CHARACTERISTICS | | | | | |
| MECHANICAL OPERATION | 30TIMES INSERTIONS AND EXTRACTIONS. | | ① CONTACT RESISTANCE: 30mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS 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 1μs. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | | X - |
| SHOCK | 490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS. | | ① NO ELECTRICAL DISCONTINUITY OF 1μs. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | | X - |
| ENVIRONMENTAL CHARACTERISTICS | | | | | |
| DAMP HEAT (STEADY STATE) | EXPOSED AT 40 ± 2 °C, 90 TO 95 %, 96 h. | | ① CONTACT RESISTANCE: 30mΩ MAX. ② INSULATION RESISTANCE: 500MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | | X - |
| RAPID CHANGE OF TEMPERATURE | TEMPERATURE -55→ 5 TO 35→+85→ 5 TO 35°C TIME 30→ 5MAX → 30→ 5MAX min UNDER 5 CYCLES. | | ① CONTACT RESISTANCE: 30mΩ MAX. ② INSULATION RESISTANCE: 1000MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | | X - |
| RESISTANCE TO SOLDERING HEAT | 1)AUTOMATIC SOLDERING (FLOW) SOLDER TEMPERATURE : 260°C FOR IMMERSION,DURATION , 10 sec . 2)MANUAL SOLDERING SOLDERING IRON TEMPERATURE : 300°C SOLDERING TIME : 2 sec. NO STRENGTH ON CONTACT. | | NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS. | | X - |
| SOLDERABILITY | SOLDERED AT SOLDER TEMPERATURE, 230°C FOR INSERTION DURATION, 3sec. | | SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMersed. | | X - |
|  | COUNT | DESCRIPTION OF REVISIONS | DESIGNED | CHECKED | DATE |
| | 1 | DIS-H-008540 | MI. SAKIMURA | HK. UMEHARA | 14. 02. 26 |
| REMARKS | | | | APPROVED | TY. OMA 05. 08. 11 |
| NOTE1:INCLUDING THE TEMPERATURE RISE BY CURRENT | | | | CHECKED | HK. UMEHARA 05. 08. 11 |
| 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. | | | | DESIGNED | IO. DENPOUYA 05. 08. 11 |
| NOTE3:NON-CONDENSING. Unless otherwise specified , refer to IEC 60512. | | | | DRAWN | MK. MATSUO 05. 08. 09 |
| Note QT:Qualification Test AT:Assurance Test X:Applicable Test | | | DRAWING NO. | | ELC4-162391-02 |
|  | SPECIFICATION SHEET | | PART NO. | DF11-*DP-2DSA (24) | |
| | HIROSE ELECTRIC CO., LTD. | | CODE NO. | CL543 |  1/1 |