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| APPLICABLE STANDARD   |  |  |               |  |                           |   |
|---|--|--|---------------|--|---------------------------|---|
| RATING  | OPERATING TEMPERATURE RANGE  | -40°C TO + 85°C (NOTE 1)  |               |  | STORAGE TEMPERATURE RANGE | -10°C TO + 60°C   |
|   | VOLTAGE  | 250V AC  | UL·CSA RATING | 30V AC   |                           |   |
|   | CURRENT  | 2 A  |               | 2 A  |                           |   |
| 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  | 100 mA(DC OR 1000HZ).  |  |               | 30 mΩ MAX.   | X                         | -   |
| INSULATION RESISTANCE   | 500 V DC.  |  |               | 1000 MΩ MIN.   | X                         | -   |
| VOLTAGE PROOF   | 650 V AC FOR 1 min.  |  |               | NO FLASHOVER OR BREAKDOWN.   | X                         | -   |
| MECHANICAL CHARACTERISTICS  |  |  |               |  |                           |   |
| MECHANICAL OPERATION  | 30 TIMES INSERTIONS AND EXTRACTIONS.   |  |               | ① CONTACT RESISTANCE: 30mΩ MAX.<br>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.<br>② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.                                   | X                         | -   |
| SHOCK   | 490 m/s <sup>2</sup> DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.                        |  |               | ① NO ELECTRICAL DISCONTINUITY OF 1μs.<br>② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.                                   | X                         | -   |
| ENVIRONMENTAL CHARACTERISTICS   |  |  |               |  |                           |   |
| RAPID CHANGE OF TEMPERATURE   | TEMPERATURE -55→ 5 TO 35→+85→ 5 TO 35 °C<br>TIME 30→ 5 MAX → 30→ 5 MAX<br>min<br>UNDER 5 CYCLES. |  |               | ① CONTACT RESISTANCE: 30mΩ MAX.<br>② INSULATION RESISTANCE: 1000MΩ MIN.<br>③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | X                         | -   |
| DAMP HEAT (STEADY STATE)  | EXPOSED AT 40 ± 2 °C, 90 TO 95 %, 96 h.  |  |               | ① CONTACT RESISTANCE: 30mΩ MAX.<br>② INSULATION RESISTANCE: 500MΩ MIN.<br>③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.  | X                         | -   |
|   |  |  |               |  |                           |   |
|   | COUNT  | DESCRIPTION OF REVISIONS   |               | DESIGNED   | CHECKED                   | DATE  |
|  | 1  | DIS-H-008540   |               | MI. SAKIMURA   | HK. UMEHARA               | 14. 02. 26  |
| REMARKS   |  |  |               | APPROVED   | TY. OMA                   | 06. 10. 03  |
| NOTE 1:INCLUDING THE TEMPERATURE RISE BY CURRENT.                                   |  |  |               | CHECKED  | HK. UMEHARA               | 06. 10. 02  |
| Unless otherwise specifid , refer to IEC 60512.                                     |  |  |               | DESIGNED   | NS. HIROSE                | 06. 10. 02  |
|   |  |  |               | DRAWN  | AK. MIURA                 | 06. 10. 02  |
| Note QT:Qualification Test AT:Assurance Test X:Applicable Test                      |  |  |               | DRAWING NO.  |                           | ELG4-313906-00  |
|  | SPECIFICATION SHEET  |  |               | PART NO.   | DF11-*DEP-2A              |   |
|   | HIROSE ELECTRIC CO., LTD.  |  |               | CODE NO.   | CL543                     |  |