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

| 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. 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 | | | | | | |
| RAPID CHANGE OF TEMPERATURE | TEMPERATURE -55→ 5 TO 35→+85→ 5 TO 35 °C TIME 30→ 5 MAX → 30→ 5 MAX min UNDER 5 CYCLES. | | | ① CONTACT RESISTANCE: 30mΩ MAX. ② INSULATION RESISTANCE: 1000MΩ MIN. 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. ② INSULATION RESISTANCE: 500MΩ MIN. 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 |  |