

| APPLICABLE STANDARD   |  |                          |               |   |   |                |
|---|--|--------------------------|---------------|---|---|----------------|
| RATING  | OPERATING TEMPERATURE RANGE  | -40°C TO + 85°C (NOTE 1) |               | STORAGE TEMPERATURE RANGE   | -10°C TO + 60°C   |                |
|   | OPERATING HUMIDITY RANGE   | 40% TO 80% (NOTE2)       |               | STORAGE HUMIDITY RANGE  | 40% TO 70% (NOTE3)  |                |
|   | VOLTAGE  | 250V AC                  | UL·CSA RATING | 30V AC  | APPLICABLE CONTACT  |                |
|   | CURRENT  | 2 A                      |               | 2 A   | APPLICABLE CABLE  |                |
|   | APPLICABLE CONNECTOR   | DF11-*DS-2C              |               |   | DF11-EP2428PC (F)<br>DF11-EP2428PC (F) A<br><br>UL1061, 1007<br>AWG24 TO 28 |                |
| <b>SPECIFICATIONS</b>   |  |                          |               |   |   |                |
| ITEM  | TEST METHOD  |                          |               | REQUIREMENTS  | QT  | AT             |
| <b>CONSTRUCTION</b>   |  |                          |               |   |   |                |
| GENERAL EXAMINATION   | VISUALLY AND BY MEASURING INSTRUMENT.  |                          |               | ACCORDING TO DRAWING.   | X   | X              |
| MARKING   | CONFIRMED VISUALLY.  |                          |               |   | X   | X              |
| <b>ELECTRIC CHARACTERISTICS</b>   |  |                          |               |   |   |                |
| INSULATION RESISTANCE   | 500 V DC.  |                          |               | 1000 MΩ MIN.  | X   | -              |
| VOLTAGE PROOF   | 650 V AC FOR 1 min.  |                          |               | NO FLASHOVER OR BREAKDOWN.  | X   | -              |
| <b>MECHANICAL CHARACTERISTICS</b>   |  |                          |               |   |   |                |
| MECHANICAL OPERATION  | 30 TIMES INSERTIONS AND EXTRACTIONS.   |                          |               | 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.                       |                          |               | 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.                        |                          |               | NO DAMAGE, CRACK OR LOOSENESS OF PARTS.   | X   | -              |
| <b>ENVIRONMENTAL CHARACTERISTICS</b>  |  |                          |               |   |   |                |
| 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 INSULATION RESISTANCE: 1000MΩ MIN.<br>② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | X   | -              |
| DAMP HEAT (STEADY STATE)  | EXPOSED AT 40 ± 2 °C, 90 TO 95 %, 96 h.  |                          |               | ① INSULATION RESISTANCE: 1000MΩ MIN.<br>② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | X   | -              |
| REMARKS<br>NOTE 1: INCLUDING THE TEMPERATURE RISE BY CURRENT.<br>NOTE 2:NO CONDENSING.<br>NOTE 3: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. |  |                          |               |   |   |                |
|   | COUNT  | DESCRIPTION OF REVISIONS |               | DESIGNED  | CHECKED   | DATE           |
|   | 13   | DIS-H-008583             |               | MI. SAKIMURA  | HK. UMEHARA   | 14. 03. 25     |
| REMARKS<br>NOTE 1:INCLUDING THE TEMPERATURE RISE BY CURRENT.  |  |                          |               | APPROVED  | KJ. KATAYOSE  | 05. 01. 05     |
|   |  |                          |               | CHECKED   | TY. OMA   | 05. 01. 05     |
|   |  |                          |               | DESIGNED  | IO. DENPOUYA  | 05. 01. 05     |
| Unless otherwise specifid , refer to IEC 60512.   |  |                          |               | DRAWN   | IO. DENPOUYA  | 05. 01. 05     |
| Note QT:Qualification Test AT:Assurance Test X:Applicable Test  |  |                          |               | DRAWING NO.   |   | ELC4-081880-01 |
| <b>HRS</b>  | SPECIFICATION SHEET  |                          |               | PART NO.  | DF11-*DEP-2C  |                |
|   | HIROSE ELECTRIC CO., LTD.  |                          |               | CODE NO.  | CL543   |                |