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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 (NOTE 2) |            |
|   | OPERATING HUMIDITY RANGE  | 40% TO + 80%             | STORAGE HUMIDITY RANGE   | 40% TO + 70% (NOTE 2)    |            |
|   | VOLTAGE   | 250V AC                  | APPLICABLE SOCKET  | DF11-*DS-2C              |            |
|   | CURRENT   | AWG30 : 0.5A             | APPLICABLE CABLE   | AWG30                    |            |
| 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 1000 Hz).   |                          | 30 mΩ MAX.   | X                        | -          |
| MECHANICAL CHARACTERISTICS  |   |                          |  |                          |            |
| CONTACT INSERTION AND EXTRACTION FORCES   | □0.5±0.002 BY STEEL GAUGE.  |                          | INSERTION FORCE 4.4 N MAX.<br>EXTRACTION FORCE 0.3 N MIN.                          | X                        | -          |
| MECHANICAL OPERATION  | 30 TIMES INSERTIONS AND EXTRACTIONS.  |                          | ① CONTACT RESISTANCE: 30mΩ MAX.<br>② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.       |                          |            |
| 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 TO 15→ 30→10 TO 15 min<br>UNDER 5 CYCLES. |                          | ① CONTACT RESISTANCE: 30mΩ MAX.<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 CONTACT RESISTANCE: 30mΩ MAX.<br>② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.       | X                        | -          |
| REMARKS   |   |                          |  |                          |            |
| NOTE 1:INCLUDING THE TEMPERATURE RISE BY CURRENT<br>NOTE 2:APPLY TO THE CONDITION OF LONG TERM STORAGE FOR UNUSED PRODUCTS BEFORE PCB ON BOARD,<br>AFTER PCB BOARD,OPERATING TEMPERATURE AND HUMIDITY RANGE IS APPLIED FOR INTERIM STORAGE DURING TRANSPORTATION. |   |                          |  |                          |            |
|   | COUNT   | DESCRIPTION OF REVISIONS | DESIGNED   | CHECKED                  | DATE       |
|   | 4   | DIS-H-008703             | MI. SAKIMURA   | TS. KUMAZAWA             | 14. 04. 24 |
| Unless otherwise specifid , refer to IEC 60512.   |   |                          | APPROVED   | KJ. KATAYOSE             | 05. 01. 05 |
|   |   |                          | CHECKED  | TY. OMA                  | 05. 01. 05 |
|   |   |                          | DESIGNED   | IO. DENPOUYA             | 05. 01. 05 |
|   |   |                          | DRAWN  | IO. DENPOUYA             | 05. 01. 05 |
| Note QT:Qualification Test AT:Assurance Test X:Applicable Test  |   |                          | DRAWING NO.  | ELC4-081090-00           |            |
|   | SPECIFICATION SHEET   |                          | PART NO.   | DF11-30SCF               |            |
|   | HIROSE ELECTRIC CO., LTD.   |                          | CODE NO.   | CL543-0605-0-00          | 1/1        |