




| APPLICABLE STANDARD   |  |  |   |                          |   |
|---|--|--|---|--------------------------|---|
| RATING  | OPERATING TEMPERATURE RANGE  | -35 °C TO +85 °C(NOTE 1)   | STORAGE TEMPERATURE RANGE   | -10 °C TO +60 °C(NOTE 3) |   |
|   | OPERATING HUMIDITY RANGE   | 40% TO 80%(NOTE 2)   | STORAGE HUMIDITY RANGE  | 40% TO 70%(NOTE 3)       |   |
|   | VOLTAGE  | 250 V AC   | APPLICABLE CONTACT  | DF1E-※※※※PC(F)           |   |
|   | CURRENT  | AWG20 TO 24 : 3 A<br>AWG26 : 2 A<br>AWG28 : 1 A<br>AWG30 : 0.5 A |   |                          |   |
| SPECIFICATIONS  |  |  |   |                          |   |
| 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.             |  |   | X                        | —   |
| SHOCK   | 490 m/s <sup>2</sup> DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.              |  |   | X                        | —   |
| <b>ENVIRONMENTAL CHARACTERISTICS</b>  |  |  |   |                          |   |
| DAMP HEAT (STEADY STATE)  | EXPOSED AT 40±2 °C, 90 TO 95 %, 96 h.  |  | ① INSULATION RESISTANCE: 500 MΩ MIN.<br>② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | X                        | —   |
| RAPID CHANGE OF TEMPERATURE   | TEMPERATURE -55→5 TO 35→85→5 TO 35°C<br>TIME 30→5 MAX →30→5 MAX min<br>UNDER 5 CYCLES. |  |   | X                        | —   |
| <b>REMARKS</b>  |  |  |   |                          |   |
| NOTE1:INCLUDING THE TEMPERATURE RISING BY CURRENT.  |  |  |   |                          |   |
| NOTE2:NO CONDENSING.  |  |  |   |                          |   |
| NOTE3:APPLY TO THE CONDITION OF LONG TERM STORAGE FOR UNUSED PRODUCTS BEFORE PCB ON BOARD. AFTER PCB ON BOARD, OPERATING TEMPERATURE AND HUMIDITY RANGE IS APPLIED FOR INTERIM STORAGE DURING TRANSPORTATION. |  |  |   |                          |   |
| Unless otherwise specified, refer to JIS C 5402.  |  |  |   |                          |   |
|   | COUNT  | DESCRIPTION OF REVISIONS   | DESIGNED  | CHECKED                  | DATE  |
|    |  |  |   |                          |   |
|   |  |  | APPROVED  | TS. SAKATA               | 10.02.16  |
|   |  |  | CHECKED   | TS. FUKUSHIMA            | 10.02.16  |
|   |  |  | DESIGNED  | HT. SATO                 | 10.02.10  |
|   |  |  | DRAWN   | YK. NAKATSU              | 10.02.09  |
| Note QT:Qualification Test AT:Assurance Test X:Applicable Test  |  |  | DRAWING NO.   | ELC4-161949-01           |   |
|    | SPECIFICATION SHEET  |  | PART NO.  | DF1E-*EP-2.5C            |   |
|   | HIROSE ELECTRIC CO., LTD.  |  | CODE NO.  | CL541                    |  1/1 |