

| APPLICABLE STANDARD  |                             |  |                           |   |                                |          |
|--|-----------------------------|--|---------------------------|---|--------------------------------|----------|
| RATING   | OPERATING TEMPERATURE RANGE | -35 °C TO +85°C (NOTE1)  | STORAGE TEMPERATURE RANGE |   | -10 °C TO +60°C (NOTE3)        |          |
|  | OPERATING HUMIDITY RANGE    | 20% TO 80% (NOTE2)   | STORAGE HUMIDITY RANGE    |   | 40% TO 70% (NOTE3)             |          |
|  | VOLTAGE                     | 50 V AC/DC   | UL · C-UL RATING<br><br>△ | VOLTAGE   | 29 V AC/DC                     |          |
|  | CURRENT                     | AWG#26 : 3.0A<br>AWG#28 : 2.5A<br>AWG#30 : 1.5A<br>AWG#32 : 1.0A<br>AWG#34 : 0.8A  |                           | CURRENT   | AWG#26 : 3.0A<br>AWG#28 : 2.5A |          |
|  | APPLICABLE CONNECTOR        | DF57H-2P-1.2V(##)  |                           | OPERATING TEMPERATURE RANGE   | -35 °C TO +75°C (NOTE1)        |          |
| APPLICABLE CONTACT   | DF57-****SCF(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   |                             |  |                           |   |                                |          |
| INSULATION RESISTANCE  |                             | 100 V DC.  |                           | 100 MΩ MIN.   | X                              | —        |
| VOLTAGE PROOF  |                             | 500 V AC FOR 1 min.  |                           | NO FLASHOVER OR BREAKDOWN.  | X                              | —        |
| MECHANICAL CHARACTERISTICS   |                             |  |                           |   |                                |          |
| MECHANICAL OPERATION   |                             | 30 TIMES INSERTION AND EXTRACTION.   |                           | NO DAMAGE, CRACK OR LOOSENESS OF PARTS.   | X                              | —        |
| VIBRATION  |                             | FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, AT 10 CYCLES FOR 3 DIRECTION.   |                           |   | X                              | —        |
| SHOCK  |                             | 490 m/s <sup>2</sup> DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.  |                           |   | X                              | —        |
| ENVIRONMENTAL CHARACTERISTICS  |                             |  |                           |   |                                |          |
| DAMP HEAT (STEADY STATE)   |                             | EXPOSED AT 40 ± 2°C , 90 TO 95 %, 96 h. (AFTER LEAVING THE ROOM TEMPERATURE FOR 1-2h.)   |                           | ① INSULATION RESISTANCE: 100 MΩ MIN.<br>② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | X                              | —        |
| RAPID CHANGE OF TEMPERATURE  |                             | TEMPERATURE -55°C→ +85°C<br>TIME 30min→ 30min<br>UNDER 5 CYCLES.<br>(THE TRANSFERRING TIME OF THE TANK IS 2-3 min)<br>(AFTER LEAVING THE ROOM TEMPERATURE FOR 1-2h.) |                           | ① INSULATION RESISTANCE: 100 MΩ MIN.<br>② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | X                              | —        |
| REMARKS<br>NOTE 1: INCLUDE THE TEMPERATURE RISING BY CURRENT.<br>NOTE 2: NO CONDENSING.<br>NOTE 3: APPLY TO THE PACKAGED AND UNUSED PRODUCT. |                             |  |                           |   |                                |          |
|  | COUNT                       | DESCRIPTION OF REVISIONS   | DESIGNED                  | CHECKED   | DATE                           |          |
| △1   | 1                           | DIS-H-00013960   | HK. HAYASHI               | SZ. ONO   | 20220616                       |          |
| Unless otherwise specified, refer to IEC 60512.  |                             |  |                           | APPROVED  | KI. AKIYAMA                    | 20150527 |
|  |                             |  |                           | CHECKED   | TS. FUKUSHIMA                  | 20150526 |
|  |                             |  |                           | DESIGNED  | TS. KUMAZAWA                   | 20150526 |
|  |                             |  |                           | DRAWN   | TS. KUMAZAWA                   | 20150526 |
| Note QT:Qualification Test AT:Assurance Test X:Applicable Test   |                             |  | DRAWING NO.               |   | ELC-362936-00-00               |          |
| HRS  | SPECIFICATION SHEET         |  | PART NO.                  | DF57AH-2S-1. 2C   |                                |          |
|  | HIROSE ELECTRIC CO., LTD.   |  | CODE NO.                  | CL0666-0112-0-00  | △                              | 1/1      |