| 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 ⚠1 | VOLTAGE | 29 V AC/DC |
| | CURRENT | AWG26 : 1.5A AWG28 : 1.5A AWG30 : 1.0A AWG32 : 0.8A AWG34 : 0.5A | | CURRENT | AWG26-28 : 1.5A AWG30-34 : 1.0A |
| | APPLICABLE CONNECTOR | DF57H-6P-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. | NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | X | — |
| SHOCK | 490 $m/s^2$ DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS. | | X | — |
| **ENVIRONMENTAL CHARACTERISTICS** | | | | |
| DAMP HEAT(STEADY STATE) | EXPOSED AT 40 ± 2℃ , 90 TO 95 %, 96 h.<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 | — |
| RAPID CHANGE OF TEMPERATURE | TEMPERATURE -55℃→ +85℃<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
NOTE 1: INCLUDE THE TEMPERATURE RISING BY CURRENT.
NOTE 2:NO CONDENSING
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 |
|---|---|---|---|---|---|
| ⚠1 | 1 | DIS-H-008817 | TS. KUMAZAWA | TS. FUKUSHIMA | 14. 06. 13 |

| | | |
|---|---|---|
| APPROVED | KI. AKIYAMA | 12. 12. 26 |
| CHECKED | HK. UMEHARA | 12. 12. 26 |
| DESIGNED | TS. KUMAZAWA | 12. 12. 26 |
| DRAWN | TS. KUMAZAWA | 12. 12. 26 |

Unless otherwise specified, refer to IEC 60512.

Note QT:Qualification Test AT:Assurance Test X:Applicable Test

DRAWING NO. ELC4-344747-00

| | | | | |
|---|---|---|---|---|
| HRS | SPECIFICATION SHEET | PART NO. | DF57AH-6S-1. 2C | |
| | HIROSE ELECTRIC CO., LTD. | CODE NO. | CL666-0111-2-00 ⚠1 | 1/1 |

FORM HD0011-2-1