





| 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 | 29 V AC/DC |
| | CURRENT | AWG26 : 1.5A AWG28 : 1.5A AWG30 : 1.0A AWG32 : 0.8A AWG34 : 0.5A | |  | AWG26-28 : 1.5A |
| | APPLICABLE CONNECTOR | DF57H-6P-1.2V(##) | | | OPERATING TEMPERATURE RANGE |
| 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°C , 90 TO 95 %, 96 h. (AFTER LEAVING THE ROOM TEMPERATURE FOR 1-2h.) | | ① INSULATION RESISTANCE: 100 MΩ MIN. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | X — |
| RAPID CHANGE OF TEMPERATURE | | TEMPERATURE -55°C → +85°C TIME 30min → 30min UNDER 5 CYCLES. (THE TRANSFERRING TIME OF THE TANK IS 2-3 min) (AFTER LEAVING THE ROOM TEMPERATURE FOR 1-2h.) | | ① INSULATION RESISTANCE: 100 MΩ MIN. 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 PACKAGED AND UNUSED PRODUCT. | | | | | |
| | COUNT | DESCRIPTION OF REVISIONS | DESIGNED | CHECKED | DATE |
|  | 1 | DIS-H-00013960 | HK. HAYASHI | SZ. ONO | 20220616 |
| Unless otherwise specified, refer to IEC 60512. | | | | APPROVED | 20121226 |
| | | | | CHECKED | 20121226 |
| | | | | DESIGNED | 20121226 |
| | | | | DRAWN | 20121226 |
| Note QT:Qualification Test AT:Assurance Test X:Applicable Test | | | DRAWING NO. | ELC-344747-00-00 | |
|  | SPECIFICATION SHEET | | PART NO. | DF57AH-6S-1. 2C | |
| | HIROSE ELECTRIC CO., LTD. | | CODE NO. | CL0666-0111-2-00 |  1/1 |