

| 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 | △ 2 | OPERATING TEMPERATURE RANGE | -35 °C TO +75°C (NOTE1) |
| | APPLICABLE CONNECTOR | DF57H-5P-1.2V(##) | | | |
| APPLICABLE CONTACT | DF57-****SCF | | | | |

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 |

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|---|----------|--------------|----------|
| Unless otherwise specified, refer to IEC 60512. | APPROVED | KI. AKIYAMA | 20120521 |
| | CHECKED | HK. UMEHARA | 20120521 |
| | DESIGNED | TS. KUMAZAWA | 20120521 |
| | DRAWN | TS. KUMAZAWA | 20120521 |

Note QT:Qualification Test AT:Assurance Test X:Applicable Test DRAWING NO. ELC-344725-00-00

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|------------|---------------------------|----------|------------------|-------|
| HRS | SPECIFICATION SHEET | PART NO. | DF57AH-5S-1. 2C | |
| | HIROSE ELECTRIC CO., LTD. | CODE NO. | CL0666-0110-0-00 | △ 1/1 |