| APPLICA | BLE STAN | DARD | | | | | | | | |
|-----------------------------------|---------------------------|---|---|--|------------------------------|--|----------------------|-------------------------|--|---------------|
| OPERATING TEMPERATURE RANG | | E RANGE | -35 °C TO +85°C (NOTE1) | | STORAGE TEMPERATURE RANGE | | IGE | -10 °C TO +60°C (NOTE3) | | |
| RATING OPERATING HUMIDITY RA | | | 20% TO 80% (NOTE2) | | STORAGI | | | 40% TO 70% (NC | | |
| | APPLICABLE | | DF57H-5S-1.2C(##) | | UL· | VOLTAGE | | 29 V AC/DC | | |
| | CONNECTOR | | DF57AH-5S-1.2C(##) | | C-UL RATING | CURREN | IT | 2.5A | | |
| | VOLTAGE | | 50 V AC/DC | | | ODEDATIN | 10 | | | |
| CURRENT | | AWG 26-28 : 1.5A AWG 30 : 1.0A AWG 32 : 0.8A AWG 34 : 0.5A | | | OPERATIN TEMPERA | JUT | -35 °C TO +75°C (N | NOTE1 |) | |
| | | | | | | RE RANG | = | | | |
| ITEM. | | | SPECIFICATIO TEST METHOD | | | REQUIREMENTS | | | T | T . = |
| CONSTRUCTION | | | TEST WETHOD | | | | NEQU | IIICLINICIVIO | QT | AT |
| | | | ALLY AND BY MEASURING INSTRUMENT. | | | ACCORDING TO DRAWING. | | | | X |
| | | CONFIRMED VISUALLY. | | | | 1 | | | | $\frac{1}{X}$ |
| ELECTRIC CHARACTERIS | | | STICS | | | | | | | |
| CONTACT RESISTANCE 20mV N | | | MAX, 1mA (DC or 1000Hz). | | | 10 mΩ MAX. | | | | <u> </u> |
| | EVEL METHOD RESISTANCE | 100 V DC. | | | 100 | 100 MΩ MIN. | | | | - |
| VOLTAGE PROOF | | 500 V AC FOR 1 min. | | | NO I | NO FLASHOVER OR BREAKDOWN. | | | | - |
| MECHANICAL CHARACT | | | ERISTICS | | | NO FLASHOVER OR BREAKDOWN. | | | | |
| MECHANICAL | | 30 TIMES INSERTION AND EXTRACTION. | | | ①C | ①CONTACT RESISTANCE: 20 mΩ MAX. | | | | <u> </u> |
| OPERATION CONTACT INSERTION | | IT TAKES OUT AND INSERTS WITH A CONFORMITY | | | | ②NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | | | | |
| AND EXTRACTION FORCES | | CONNECTOR. | | | 10" | ①INSERTION FORCE: 27.0N MAX. ②EXTRACTION FORCE: 1.2N MIN. | | | | - |
| VIBRATION | | FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, AT 10 CYCLES FOR 3 DIRECTION. | | | 1 - | ①NO ELECTRICAL DISCONTINUITY OF 1 μ s. X | | | | - |
| SHOCK 49 | | 490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS. | | | OR 3 (2)N | O DAMAGE, | CRACK | OR LOOSENESS OF PARTS. | X | - |
| ENVIROI | NMENTAL | | NS. ACTERISTICS | | | | | | | |
| DAMP HEAT E | | EXPOSED AT 40 ± 2°C , 90 TO 95 %, 96 h. | | | ①C | ①CONTACT RESISTANCE: 20 mΩ MAX. X - | | | | |
| (STEADY STATE) | | (AFTER LEAVING THE ROOM TEMPERATURE FOR 1-2h.) | | | | ②INSULATION RESISTANCE: 100 M $_\Omega$ MIN. ③NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | | | | |
| TEMPERATURE | | TEMPERATURE -55°C→ +85°C TIME 30min→ 30min | | | | ①CONTACT RESISTANCE: 20 mΩ MAX. | | | | - |
| | | UNDER 5 CYCLES. (THE TRANSFERRING TIME OF THE TANK IS 2-3 min) (AFTER LEAVING THE ROOM TEMPERATURE FOR 1-2h.) | | | 3Ni 1.) | ②INSULATION RESISTANCE: 100 MΩ MIN. ③NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | | | | |
| RESISTANCE TO 1 SOLDERING HEAT | | , | W SOLDERING OW TIME≫ | | | NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE | | | | - |
| | | NUMBE | R OF REFLOW CYCLES: 20 | | | TERMINALS. | | | | |
| | | DURATION ABOVE 220 °C, 60 sec. MAX. PEAK TEMPERATURE: 250°C 10 sec. MAX. «PRE-HEAT TIME» PRE-HEAT TEMPERATURE(MIN):150 °C PRE-HEAT TEMPERATURE(MAX):180 °C PRE-HEAT TIME(MIN): 90 sec. PRE-HEAT TIME(MAX): 120 sec. | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | 2) MANUAL SOLDERING SOLDERING IRON TEMPERATURE :350±10°C, | | | | | | | | |
| | | SOLDE | RING TIME : 3sec. | | | | | | | |
| | | NO STRENGTH ON CONTACT. SOLDERING TEMPERATURE: 245°C | | | | NEW UNIFORM COATING OF SOLDER SHALL X | | | | |
| | | DURATIO | DURATION OF IMMERSION :SOLDERING, FOR 5 sec. | | | COVER MINIMUM OF 95 % OF THE SURFACE BEING IMMERSED. | | | | |
| NOTE 1: INCL | | PERATURE | RISING BY CURRENT. | | | | | | - | |
| NOTE3:APPL | Y TO THE COND | | LONG TERM STORAGE FOR U | | | | | |), | |
| COUN | | | JRE AND HUMIDITY RANGE IS APPLIED FOR INTERIM CRIPTION OF REVISIONS DESIG | | ESIGNED | | | | | TE |
| 1 | | | | | I. SAKIMUR | | | TS. FUKUSHIMA | 14. 0 | |
| REMARKS | | | | | | APPRO | APPROVED KI. AKIYAMA | | 12. 03. 19 | |
| Unless otherwise specified, refer | | | | | | CHEC | KED | HK. UMEHARA | 12. 03. 19 12. 03. 19 12. 03. 19 | |
| | | | | | | DESIG | | TS. KUMAZAWA | | |
| | | | | | | DRA | WN | TS. KUMAZAWA | | 3. 19 |
| | | | | | | RAWING NO. ELC4-343907-01 | | | -01 | |
| HS | | SPECIFICATION SHEET | | | PART NO | | DF57H-5P-1. 2V (21) | | | |
| | HIR | HIROSE ELECTRIC CO., LTD. | | | ODE NO |). C | CL666-0107-5-21 | | | 1/1 |