



| | | | | |
|----------------------------|-----------------------------|-------------------------|---|--------------------------------|
| 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) |
| | APPLICABLE CONNECTOR | DF61-2S-2.2C | CURRENT  | AWG 28 : 3.0A AWG 26 : 3.2A |
| | VOLTAGE | 350 V AC/DC | | AWG 24 : 4.0A AWG 22 : 5.0A |



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 | | | | |
| CONTACT RESISTANCE MILLIVOLT LEVEL METHOD | 20mV MAX, 1mA (DC or 1000Hz). | 10 mΩ MAX. | X | - |
| INSULATION RESISTANCE | 500 V DC. | 1000 MΩ MIN. | X | - |
| VOLTAGE PROOF | 1700 V AC FOR 1 min. | NO FLASHOVER OR BREAKDOWN. | X | - |
| MECHANICAL CHARACTERISTICS | | | | |
| MECHANICAL OPERATION | 30 TIMES INSERTION AND EXTRACTION. | ①CONTACT RESISTANCE: 20 mΩ MAX. ②NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | X | - |
| CONTACT INSERTION AND EXTRACTION FORCES | IT TAKES OUT AND INSERTS WITH A CONFORMITY CONNECTOR. | ①INSERTION FORCE : 20.0N MAX. ②EXTRACTION FORCE: 0.5N MIN. | X | - |
| VIBRATION | FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, AT 10 CYCLES FOR 3 DIRECTION. | ①NO ELECTRICAL DISCONTINUITY OF 1 μs. ②NO 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.) | ①CONTACT RESISTANCE: 20 mΩ MAX. ②INSULATION RESISTANCE: 500 MΩ MIN. ③NO 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.) | ①CONTACT RESISTANCE: 20 mΩ MAX. ②INSULATION RESISTANCE: 500 MΩ MIN. ③NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | X | - |
| RESISTANCE TO SOLDERING HEAT | 1) REFLOW SOLDERING «REFLOW TIME» NUMBER OF REFLOW CYCLES : 2 CYCLES MAX. 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, SOLDERING TIME : 3sec. NO STRENGTH ON CONTACT. | NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS. | X | - |
| SOLDERABILITY | SOLDERING TEMPERATURE : 245°C DURATION OF IMMERSION :SOLDERING, FOR 5 sec. | NEW UNIFORM COATING OF SOLDER SHALL COVER MINIMUM OF 95 % OF THE SURFACE BEING IMMersed. | X | - |

NOTE 1: INCLUDE THE TEMPERATURE RISING BY CURRENT.
 NOTE2:NO CONDENSING
 NOTE3:APPLY TO THE CONDITION OF LONG TERM STORAGE FOR UNUSED PRODUCTS BEFOR PCB ON BOARD, AFTER PCB BOARD , OPERATING TEMPERATURE AND HUMIDITY RANGE IS APPLIED FOR INTERIM STRAGE DURING TRANSPORTATION.

| COUNT | DESCRIPTION OF REVISIONS | DESIGNED | CHECKED | DATE |
|---|--------------------------|----------|-------------|------------------------|
|  1 | DIS-H-007811 | ST. SATO | HK. UMEHARA | 13. 04. 05 |
| REMARKS | | | APPROVED | KI. AKIYAMA 12. 04. 25 |
| | | | CHECKED | HK. UMEHARA 12. 04. 24 |
| | | | DESIGNED | TT. OHSAKO 12. 04. 24 |
| | | | DRAWN | TT. OHSAKO 12. 04. 24 |

Unless otherwise specified, refer to JIS C 5402.

| | | | | |
|---|---|-------------|--------------------|---|
| Note | QT:Qualification Test AT:Assurance Test X:Applicable Test | DRAWING NO. | ELC4-336115-02 | |
|  | SPECIFICATION SHEET | PART NO. | DF61-2P-2. 2V (22) | |
| | HIROSE ELECTRIC CO., LTD. | CODE NO. | CL666-5001-1-22 |  1/1 |