


| APPLICABLE STANDARD | | | | |
|---------------------|-----------------------------|--|---------------------------|--|
| RATING | OPERATING TEMPERATURE RANGE | -40°C TO + 85°C (NOTE 1)  | STORAGE TEMPERATURE RANGE | -10°C TO + 60°C (NOTE 2) |
| | OPERATING HUMIDITY RANGE | 40% TO + 80% | STORAGE HUMIDITY RANGE | 40% TO + 70% (NOTE 2) |
| | VOLTAGE | 250V AC | VOLTAGE | 30V AC |
| | CURRENT | AWG 22 TO 26 : 2A AWG 28 : 1A AWG 30 : 0.5A | UL · CSA RATING | CURRENT AWG 22 : 2A AWG 24 TO 28 : 1A AWG 30 : 0.5A |

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 | 100mA (DC OR 1000 Hz). | 30mΩ MAX. | X | - |
| INSULATION RESISTANCE | 500V DC. | 1000MΩ MIN. | X | - |
| VOLTAGE PROOF | 650V AC FOR 1 min. | NO FLASHOVER OR BREAKDOWN. | X | - |

MECHANICAL CHARACTERISTICS



| | | | | |
|----------------------|--|--|---|---|
| MECHANICAL OPERATION | 30 TIMES INSERTIONS AND EXTRACTIONS. | ① CONTACT RESISTANCE: 30mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | X | - |
| VIBRATION | FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, AT 2 h, FOR 3 DIRECTIONS. | ① NO ELECTRICAL DISCONTINUITY OF 1μs. ② 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

| | | | | |
|-----------------------------|--|--|---|---|
| RAPID CHANGE OF TEMPERATURE | TEMPERATURE -55→5 TO 35→+85 →5 TO 35 °C TIME 30→5 TO 15 →30 →5 TO 15 min UNDER 5 CYCLES. | ① CONTACT RESISTANCE: 30mΩ MAX. ② INSULATION RESISTANCE: 1000MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | X | - |
| DAMP HEAT (STEADY STATE) | EXPOSED AT 40 ± 2 °C, 90 TO 95 %, 96 h. | ① CONTACT RESISTANCE: 30mΩ MAX. ② INSULATION RESISTANCE: 500MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | X | - |

| COUNT | DESCRIPTION OF REVISIONS | DESIGNED | CHECKED | DATE |
|---|--------------------------|--------------|-------------|---------------------------|
|  1 | DIS-H-008540 | MI. SAKIMURA | HK. UMEHARA | 14. 02. 26 |
| | | | APPROVED | TS. SAKATA 09. 06. 03 |
| | | | CHECKED | TS. FUKUSHIMA 09. 06. 03 |
| | | | DESIGNED | TH. YOSHI ZAWA 09. 05. 30 |
| | | | DRAWN | YK. NAKATSU 09. 05. 27 |

Note QT:Qualification Test AT:Assurance Test X:Applicable Test DRAWING NO. ELC4-314124-01

| | | | | |
|---|---------------------------|----------|--------------------|---|
|  | SPECIFICATION SHEET | PART NO. | DF11CZ-*DS-2V (22) | |
| | HIROSE ELECTRIC CO., LTD. | CODE NO. | CL543 |  1/2 |

| SPECIFICATIONS | | | | | |
|---|--|--|--------------------|----|-----|
| ITEM | TEST METHOD | REQUIREMENTS | QT | AT | |
| RESISTANCE TO SOLDERING HEAT | 1) AUTOMATIC SOLDERING (REFLOW) 《REFLOW AREA》 MAX 250°C WITHIN 10 sec. MIN 230°C WITHIN 60 sec. 《PREHEATING AREA》 150 TO 180°C 90 TO 120 sec. PUT THROUGH IN REFLOW FURNACE TWICE. COOL IN AMBIENT TEMPERATURE AND HUMIDITY FOR 1 HOUR. CONNECTOR TEMPERATURE TO BE AMBIENT FOR SECOND REFLOW. 2) MANUAL SOLDERING SOLDERING IRON TEMPERATURE :290±10°C, SOLDERING TIME :3s. NO STRENGTH ON CONTACT. | NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS. | X | — | |
| SOLDERABILITY | SOLDERED AT SOLDER TEMPERATURE, 230±5°C FOR IN IMMERSION , DURATION, 3 s. | A NEW UNIFORM COATING OF SOLDER SHALL COVER MINIMUM OF 95 % OF THE SURFACE BEING IMMersed. | X | — | |
| <p>REMARKS</p> <p>NOTE 1:INCLUDING THE TEMPERATURE RISE BY CURRENT.</p> <p>NOTE 2: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 INTERM STORAGE DURING TRANSPORTATION.</p> <p>NOTE 3:THE TEMPERATURE PROFILE SHALL BE APPLIED WITHIN 168 HOURS AFTER OPENING MOISTURE-PROOF PACKAGING. WHEN 168 HOURS PASSED AFTER OPENING , APPLY THE BOTTOM REQUIREMENTS.</p> <p>《REFLOW AREA》 MAX 240°C WITHIN 10 sec. MIN 230°C WITHIN 60 sec. 《PREHEATING AREA》 150 TO 180°C 90 TO 120 s.</p> <p>Unless otherwise specified , refer to IEC 60512.</p> | | | | | |
| Note QT:Qualification Test AT:Assurance Test X:Applicable Test | | DRAWING NO. | ELC4-314124-01 | | |
| HRS | SPECIFICATION SHEET | PART NO. | DF11GZ-*DS-2V (22) | | |
| | HIROSE ELECTRIC CO., LTD. | CODE NO | CL543 | △ | 2/2 |