| APPLICABLE STANDARD | | | | |
|---|---|---|---|---|
| RATING | VOLTAGE | 250 V AC (DC) | CURRENT | 3 A |
| | OPERATING TEMPERATURE RANGE | −35 °C TO +85 °C(NOTES 1) | STORAGE TEMPERATURE RANGE | −10°C TO +60 °C(NOTE 3) |
| | OPERATING HUMIDITY RANGE | 40% TO + 80%(NOTE 2) | STORAGE HUMIDITY RANGE | 40% TO + 70%(NOTE 3) |
| | APPLICABLE CABLE | UL1007,1061 : 20−22 AWG | APPLICABLE CONNECTOR | DF1E−*S−2.5C |

# 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 | 20 mV MAX, 1mA (DC OR 1000Hz). | 30 mΩ MAX. | X | − |
| **MECHANICAL CHARACTERISTICS** | | | | |
| CONTACT INSERTION AND EXTRACTION FORCE | □0.635±0.002mm BY STEEL GAUGE. | INSERTION FORCE : 4.4 N MAX.<br>EXTRACTION FORCE : 0.29 N MIN. | × | − |
| MECHANICAL OPERATION | 50 TIMES INSERTIONS AND EXTRACTIONS. | ① CONTACT RESISTANCE: 30 mΩ MAX.<br>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 1 μs.<br>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. | | | |
| **ENVIRONMENTAL CHARACTERISTICS** | | | | |
| RAPID CHANGE OF TEMPERATURE | TEMPERATURE −55→5 TO 35→+85→5 TO35 °C<br>TIME 30 →5 →30 →5 min<br>UNDER 5 CYCLES. | ① CONTACT RESISTANCE: 30 mΩ MAX.<br>② 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: 30 mΩ MAX.<br>② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | X | − |

REMARKS

NOTE 1:INCLUDING THE TEMPERATURE RISE BY CURRENT

NOTE 2:NO CONDENSING.

NOTE 3:APPLY TO THE CONDITION OF LONG TERM STORAGE FOR UNUSED PRODUCTS BEFORE PCB ON BOARD, AFTER PCB BOARD, OPERATINGTEMPERATURE AND HUMIDITY RANGE IS APPLIED FOR INTERIM STORAGE DURING TRANSPORTATION.

| | COUNT | DESCRIPTION OF REVISIONS | DESIGNED | CHECKED | DATE |
|---|---|---|---|---|---|
| △0 | | | | | |

| | | |
|---|---|---|
| APPROVED | KI. AKIYAMA | 12. 10. 11 |
| CHECKED | HK. UMEHARA | 12. 10. 11 |
| DESIGNED | HT. SATO | 12. 10. 11 |
| DRAWN | MI. SAKIMURA | 12. 10. 10 |

Unless otherwise specified, refer to JIS C 5402.

Note QT:Qualification Test AT:Assurance Test X:Applicable Test

DRAWING NO. ELC4-162826-01

| | | | | |
|---|---|---|---|---|
| HRS | SPECIFICATION SHEET | PART NO. | DF1E-2022SCFA | |
| | HIROSE ELECTRIC CO., LTD. | CODE NO. | CL541-1001-5-00 △0 | 1/1 |

FORM HD0011-2-1