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 In case that the application demands a high level of reliability, such as automotive,
 please contact a company representative for further information.

| APPLICABLE STANDARD | | | | | |
|--|---|--|---------------------------|--------------------------|--|
| RATING | OPERATING TEMPERATURE RANGE | -35 °C TO +85 °C(NOTE 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) | |
| | VOLTAGE | 250 V AC | APPLICABLE CONNECTORS | DF1B- * ES-2.5RC(#) | |
| | CURRENT | AWG20 TO 24 : 3 A AWG26 : 2 A AWG28 : 1 A AWG30 : 0.5 A | UL · CSA RATING | VOLTAGE CURRENT | AC 30V AWG20-22 : 3A AWG24-28 : 1A AWG30 : 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 | | | | | |
| INSULATION RESISTANCE | 500 V DC. | 1000 MΩ MIN. | X | — | |
| VOLTAGE PROOF | 650 V AC FOR 1 min. | NO FLASHOVER OR BREAKDOWN. | X | — | |
| MECHANICAL CHARACTERISTICS | | | | | |
| VIBRATION | FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, AT 2 h, FOR 3 DIRECTIONS. | NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | X | — | |
| SHOCK | 490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS. | NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | X | — | |
| ENVIRONMENTAL CHARACTERISTICS | | | | | |
| DAMP HEAT (STEADY STATE) | EXPOSED AT 40±2 °C, 90 TO 95 %, 96 h. | ① INSULATION RESISTANCE: 1000 MΩ MIN. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | X | — | |
| RAPID CHANGE OF TEMPERATURE | TEMPERATURE -55→ 5 TO 35→85→ 5 TO 35°C TIME 30→10 TO 15→30→10 TO 15 min UNDER 5 CYCLES. | ① INSULATION RESISTANCE:1000 MΩ MIN. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | X | — | |
| REMARKS | | | | | |
| NOTE1:INCLUDING THE TEMPERATURE RISING BY CURRENT. | | | | | |
| NOTE2:NO CONDENSING. | | | | | |
| NOTE3:APPLY TO THE CONDITION OF LONG TERM STORAGE FOR UNUSED PRODUCTS BEFORE PCB ON BOARD AFTER PCBBOARD , OPERATING TEMPERATURE AND HUMIDITY RANGE IS APPLIED FOR INTERM STORAGE DURING TRANSPORTATION. | | | | | |
| Unless otherwise specified, refer to JIS C 5402. | | | | | |
| | COUNT | DESCRIPTION OF REVISIONS | DESIGNED | CHECKED | DATE |
| △ | 1 | DIS-H-005021 | HT. SATO | HK. UMEHARA | 10.07.22 |
| △ format change. | | | APPROVED | KJ. KATAYOSE | 05.01.05 |
| | | | CHECKED | TY. OMA | 05.01.05 |
| | | | DESIGNED | TS. KUMAZAWA | 05.01.05 |
| | | | DRAWN | TS. KUMAZAWA | 05.01.05 |
| Note QT:Qualification Test AT:Assurance Test X:Applicable Test | | | DRAWING NO. | ELC4-160055-01 | |
| HRS | SPECIFICATION SHEET | | PART NO. | DF1B-*EP-2.5RC | |
| | HIROSE ELECTRIC CO., LTD. | | CODE NO. | CL541 | △ 1/1 |