

| APPLICABLE STANDARD | | | | | |
|---|---|---|---------------------------|---------------------------------------|----------------|
| RATING | OPERATING TEMPERATURE RANGE | -30°C TO 85°C (NOTE 1) | STORAGE TEMPERATURE RANGE | -10°C TO 60°C (NOTE 3) | |
| | OPERATING HUMIDITY RANGE | 20% TO 80% (NOTE 2) | STORAGE HUMIDITY RANGE | 20% TO 70% (NOTE 3) | |
| | VOLTAGE | 250V AC | APPLICABLE CONTACT | DF3-EP2428PC (A) DF3-EP2428PCF (A) | |
| | CURRENT | AWG 24 : 3A AWG 26 : 2A AWG 28 : 1A | APPLICABLE CABLE | UL1061, 1007 AWG24~28 | |
| | | | APPLICABLE CONNECTOR | DF3-2S-2C | |
| SPECIFICATIONS | | | | | |
| ITEM | TEST METHOD | REQUIREMENTS | QT | AT | |
| CONSTRUCTION | | | | | |
| GENERAL EXAMINATION | VISUALLY AND BY MEASURING INSTRUMENT. | ACCORDING TO DRAWING. | × | × | |
| MARKING | CONFIRMED VISUALLY. | | × | × | |
| ELECTRIC CHARACTERISTICS | | | | | |
| INSULATION RESISTANCE | 500V DC. | 1000MΩ MIN. | × | — | |
| VOLTAGE PROOF | 650V AC FOR 1 min. | NO FLASHOVER OR BREAKDOWN. | × | — | |
| MECHANICAL CHARACTERISTICS | | | | | |
| VIBRATION | FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, AT 2 h, FOR 3 DIRECTIONS. | ① NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | × | — | |
| 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 TO 35 °C TIME 30→ 5 MAX → 30→ 5 MAX min UNDER 5 CYCLES. | ① INSULATION RESISTANCE: 1000MΩ MIN. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | × | — | |
| DAMP HEAT (STEADY STATE) | EXPOSED AT 40 ± 2 °C, 90 TO 95 %, 96 h. | ① INSULATION RESISTANCE: 500MΩ MIN. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | × | — | |
| REMARKS | | | | | |
| NOTE 1:INCLUDING THE TEMPERATURE RISE BY CURRENT. | | | | | |
| NOTE2:NO CONDENSING. | | | | | |
| NOTE3: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. | | | | | |
| | COUNT | DESCRIPTION OF REVISIONS | DESIGNED | CHECKED | DATE |
| △ | | | | | |
| Unless otherwise specified, refer to JIS C 5402. | | | APPROVED | TS. SAKATA | 09.01.17 |
| | | | CHECKED | TS. KUMAZAWA | 09.01.17 |
| | | | DESIGNED | KT. ISHII | 09.01.16 |
| | | | DRAWN | KT. ISHII | 09.01.16 |
| Note QT:Qualification Test AT:Assurance Test X:Applicable Test | | | DRAWING NO. | | ELC4-020359-01 |
| HRS | SPECIFICATION SHEET | | PART NO. | DF3-2EP-2C | |
| | HIROSE ELECTRIC CO., LTD. | | CODE NO. | CL543-0064-2-00 | △ 1/1 |