




| APPLICABLE STANDARD | | | | | | | |
|---|-----------------------------|--|---------------------------|--|---|------------|----|
| RATING | OPERATING TEMPERATURE RANGE | -35 °C TO +85°C (NOTE1) | STORAGE TEMPERATURE RANGE | -10 °C TO +60°C (NOTE3) | | | |
| | OPERATING HUMIDITY RANGE | 40% TO 80% (NOTE2) | STORAGE HUMIDITY RANGE | 40% TO 70% (NOTE3) | | | |
| | CURRENT | AWG#24 : 3 A | VOLTAGE | 250 V AC | | | |
| | | AWG#26 : 2 A | APPLICABLE CONNECTOR | DF3(AA)-*EP-2C | | | |
| | AWG#28 : 1 A | APPLICABLE CABLE | UL1061 AWG#24 TO AWG#28 | | | | |
| 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 | | 100 mA(DC OR 1000 Hz). | | 30 mΩMAX. | | X | — |
| MECHANICAL CHARACTERISTICS | | | | | | | |
| MECHANICAL OPERATION | | 30 TIMES INSERTION AND EXTRACTION. | | ① CONTACT RESISTANCE: 30 mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | | X | — |
| VIBRATION | | FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, AT 2h, FOR 3 DIRECTIONS. | | ① NO ELECTRICAL DISCONTINUITY OF 1 μ s. 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 | | | | | | | |
| DAMP HEAT(STEADY STATE) | | EXPOSED AT 40 ± 2°C , 90 TO 95 %, 96 h. (AFTER LEAVING THE ROOM TEMPERATURE FOR 1-2h.) | | ① CONTACT RESISTANCE: 30 mΩ MAX. 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→5MAX→30→5MAXmin UNDER 5 CYCLES. | | | | X | — |
| | | | | | | | |
| NOTE1: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 HUMIDITTY RANGE IS APPLIED FOR INTERIM STRAGE DURING TRANSPORTATION. | | | | | | | |
| | COUNT | DESCRIPTION OF REVISIONS | DESIGNED | CHECKED | DATE | | |
|  | | | | | | | |
| REMARKS Unless otherwise specified, refer to IEC 60512. | | | | APPROVED | HS. OKAWA | 16. 12. 02 | |
| | | | | CHECKED | TS. FUKUSHIMA | 16. 12. 02 | |
| | | | | DESIGNED | TS. KUMAZAWA | 16. 12. 02 | |
| | | | | DRAWN | TO. KUROMATSU | 16. 12. 02 | |
| Note QT:Qualification Test AT:Assurance Test X:Applicable Test | | | DRAWING NO. | | ELC-081283-00-00 | | |
|  | SPECIFICATION SHEET | | PART NO. | DF3-EP2428PCFA | | | |
| | HIROSE ELECTRIC CO., LTD. | | CODE NO. | CL543-0149-3-00 |  | 1/1 | |