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| APPLICABLE STANDARD | | | | | |
| RATING | OPERATING TEMPERATURE RANGE | -35°C TO +85°C(NOTE 1) | STORAGE TEMPERATURE RANGE | -10°C TO + 60°C | |
| | VOLTAGE | 50V AC | APPLICABLE CONNECTOR | DF23C-14DS-0. 5V (53) | |
| | CURRENT | 0. 3A | | | |
| 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 | | 100m A (DC OR 1000 Hz). | 60mΩ MAX. | X | — |
| INSULATION RESISTANCE | | 100V DC. | 500MΩ MIN. | X | — |
| VOLTAGE PROOF | | 150V AC FOR 1 min. | NO FLASHOVER OR BREAKDOWN. | X | — |
| MECHANICAL CHARACTERISTICS | | | | | |
| INSERTION AND WITHDRAWAL FORCES | | MEASURED BY APPLICABLE CONNECTOR. | INSERTION FORCE: 24 N MAX. EXTRACTION FORCE: 2.1 N MIN. | X | — |
| MECHANICAL OPERATION | | 50 TIMES INSERTIONS AND EXTRACTIONS. | ① CONTACT RESISTANCE: 60mΩ MAX. ② NO DAMAGE, CRACK AND 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 AND LOOSENESS OF PARTS. | X | — |
| SHOCK | | 490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS. | ① NO ELECTRICAL DISCONTINUITY OF 1μs. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS. | X | — |
| ENVIRONMENTAL CHARACTERISTICS | | | | | |
| RAPID CHANGE OF TEMPERATURE | | TEMPERATURE -55→ 5 TO 35→ 85→ 5 TO 35°C TIME 30→10 TO 15→ 30→10TO15min UNDER 5 CYCLES. | ① CONTACT RESISTANCE: 60mΩ MAX. ② INSULATION RESISTANCE: 500 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS. | X | — |
| DAMP HEAT (STEADY STATE) | | EXPOSED AT 40 ± 2 °C, 90 TO 95 %, 96 h. | ① CONTACT RESISTANCE: 60mΩ MAX. ② INSULATION RESISTANCE: 250 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS. | X | — |
| CORROSION SALT MIST | | EXPOSED IN 5% SALT WATER SPRAY FOR 48 h. | ① CONTACT RESISTANCE: 60 mΩ MAX. ② NO HEAVY CORROSION. | X | — |
| SULPHUR DIOXIDE | | EXPOSED IN 10 PPM FOR 96 h. (TEST STANDARD:JEIDA-39) | ① CONTACT RESISTANCE: 60 mΩ MAX. ② NO HEAVY CORROSION. | X | — |
| | | | | | |
| | COUNT | DESCRIPTION OF REVISIONS | DESIGNED | CHECKED | DATE |
| △ | | | | | |
| REMARKS | | | APPROVED | MO. NAKAMURA | 07. 06. 07 |
| NOTE1:INCLUDING THE TEMPERATURE RISING BY CURRENT. | | | CHECKED | TS. MIYAZAKI | 07. 06. 07 |
| UNLESS OTHERWISE SPECIFIED,REFER TO IEC60512 | | | DESIGNED | TH. YAMAMOTO | 07. 06. 06 |
| | | | DRAWN | AK. AOYAGI | 07. 06. 04 |
| Note QT:Qualification Test AT:Assurance Test X:Applicable Test | | | DRAWING NO. | ELC4-163722-04 | |
| HRS | SPECIFICATION SHEET | | PART NO. | DF23C-14DP-0. 5V (91) | |
| | HIROSE ELECTRIC CO., LTD. | | CODE NO. | CL688-0800-5-91 | △ 1/1 |