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| APPLICABLE STANDARD | | | | | |
| RATING | OPERATING TEMPERATURE RANGE | -35°C TO +85°C (NOTES 1) | STORAGE TEMPERATURE RANGE | -10°C TO +60°C | |
| | VOLTAGE | 30V AC | APPLICABLE CONNECTOR | DF36-40S-0.4V | |
| | CURRENT | 0.25A | APPLICABLE CABLE | THIN COAXIAL CABLE(AWG#42) | |
| 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). | CONTACT:80mΩ MAX. SHIELDING:80mΩ MAX. | X | — |
| INSULATION RESISTANCE | | 100V DC. | 50MΩ MIN. | X | — |
| VOLTAGE PROOF | | 100V AC FOR 1 min. | NO FLASHOVER OR BREAKDOWN. | X | — |
| MECHANICAL CHARACTERISTICS | | | | | |
| MECHANICAL OPERATION | | 30TIMES INSERTIONS AND EXTRACTIONS. | ① CONTACT RESISTANCE: NO VARIATION OF 50 mΩ OR MORE FROM INITIAL VALUE. SHIELDING RESISTANCE: NO VARIATION OF 50 mΩ OR MORE FROM INITIAL VALUE. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | X | — |
| VIBRATION | | FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, 3 DIRECTIONS × 10 CYCLE. | ① NO ELECTRICAL DISCONTINUITY OF 1 μs. | X | — |
| SHOCK | | 490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS. | ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | X | — |
| ENVIRONMENTAL CHARACTERISTICS | | | | | |
| RAPID CHANGE OF TEMPERATURE | | TEMPERATURE -55 → +85 °C TIME 30 → 30 min UNDER 5 CYCLES. (THE TRANSFERRING TIME OF THE CHAMBER IS 2-3 MINUTE.) | ① CONTACT RESISTANCE: NO VARIATION OF 50 mΩ OR MORE FROM INITIAL VALUE. SHIELDING RESISTANCE: NO VARIATION OF 50 mΩ OR MORE FROM INITIAL VALUE. | X | — |
| DAMP HEAT (STEADY STATE) | | EXPOSED AT 40 ± 2 °C, 90 TO 95 %, 96 h. | ② INSULATION RESISTANCE: 25 MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | X | — |
| SALT MIST | | EXPOSED IN 5 % SALT WATER SPRAY 48 h. | NO DEFECT SUCH AS CORROSION WHICH IMPAIRS THE FUNCTION OF CONNECTOR. | X | — |
| SULFUR DIOXIDE GAS | | EXPOSED IN 10-15 PPM 96h. | | X | — |
| RESISTANCE TO SOLDERING HEAT | | ① BONDING TEMPERATURE: 270°C MAX :5 sec MAX 200°C MIN :30 sec MAX ② MANUAL SOLDERING TEMPERATURE: 350°C, 3sec MAX. | NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS. | X | — |
| SOLDERABILITY | | SOLDERED AT SOLDER TEMPERATURE, 230°C FOR INSERTION DURATION, 3 sec. | SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMersed. | X | — |
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| | COUNT | DESCRIPTION OF REVISIONS | DESIGNED | CHECKED | DATE |
| △ | | | | | |
| REMARKS | | | APPROVED | TS. SAKATA | 08.09.02 |
| NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT | | | CHECKED | HK. UMEHARA | 08.09.02 |
| | | | DESIGNED | HY. SHIOZAWA | 08.09.02 |
| Unless otherwise specified, refer to JIS C 5402, IEC60512. | | | DRAWN | HY. SHIOZAWA | 08.09.02 |
| Note QT:Qualification Test AT:Assurance Test X:Applicable Test | | | DRAWING NO. | | ELC4-309125-02 |
| HRS | SPECIFICATION SHEET | | PART NO. | DF36-40P-0.4SD (51) | |
| | HIROSE ELECTRIC CO., LTD. | | CODE NO. | CL662-4002-3-51 | △ 1/1 |