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In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

| APPLICABLE STANDARD | | | | | |
|---|--|--------------------------|--|-----------------------------|----------------|
| RATING | OPERATING TEMPERATURE RANGE | -35°C TO +85°C (NOTES 1) | STORAGE TEMPERATURE RANGE | -10°C TO +60°C (NOTES 3) | |
| | OPERATING HUMIDITY RANGE | 20% TO 80% (NOTES 2) | STORAGE HUMIDITY RANGE | 40% TO 70% (NOTES 3) | |
| | VOLTAGE | 30V AC | APPLICABLE CONNECTOR | DF36A-50S-0.4V | |
| | CURRENT | AWG#42:0.25A | 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 |
| ENVIRONMENTAL CHARACTERISTICS | | | | | |
| 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. | | NO DEFECT SUCH AS CORROSION WHICH IMPAIRS THE FUNCTION OF CONNECTOR. | 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 IMMERSSED. | X | - |
| | | | | | |
| | COUNT | DESCRIPTION OF REVISIONS | DESIGNED | CHECKED | DATE |
| | | | | | |
| REMARKS | | | APPROVED | TS. SAKATA | 10.03.12 |
| NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT | | | CHECKED | TS. FUKUSHIMA | 10.03.11 |
| NOTE2: NON CONDENSING | | | DESIGNED | KT. ISHII | 10.03.11 |
| 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 INTERIM STORAGE DURING TRANSPORTATION. | | | DRAWN | KT. ISHII | 10.03.11 |
| Unless otherwise specified, refer to JIS C 5402, IEC60512. | | | | | |
| Note QT:Qualification Test AT:Assurance Test X:Applicable Test | | | DRAWING NO. | | ELC4-320561-00 |
| | SPECIFICATION SHEET | | PART NO. | DF36A-50P-SHL | |
| | HIROSE ELECTRIC CO., LTD. | | CODE NO. | CL662-4045-6-00 | 1/1 |