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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 (NOTE1) | STORAGE TEMPERATURE RANGE | -10 °C TO +60°C (NOTE3) | |
| | OPERATING HUMIDITY RANGE | 20% TO 80% (NOTE2) | STORAGE HUMIDITY RANGE | 40% TO 70% (NOTE3) | |
| | VOLTAGE | 350 V AC/DC | APPLICABLE CONTACT | DF61-2S-2.2C | |
| | CURRENT | AWG26 : 3.2A AWG24 : 4.0A AWG22 : 5.0A | APPLICABLE CABLE | AWG22 TO AWG26 | |
| INSULATION DIAMETER | | | φ0.7~1.3 mm | | |
| 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 | 20 mV MAX, 1 mA(DC OR 1000 Hz). | 10 mΩMAX. | X | - | |
| MECHANICAL CHARACTERISTICS | | | | | |
| CONTACT INSERTION AND EXTRACTION FORCES | T=0.2±0.002 mm BY STEEL GAUGE. | INSERTION FORCE 5 N MAX. EXTRACTION FORCE 0.1 N MIN. | X | - | |
| MECHANICAL OPERATION | 30 TIMES INSERTION AND EXTRACTION. | ① CONTACT RESISTANCE: 20 mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | X | - | |
| VIBRATION | FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, AT 10 CYCLES FOR 3 DIRECTION. | ① NO ELECTRICAL DISCONTINUITY OF 1 μs. 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 | - | |
| CRIMP TENSILE STRENGTH | | #AWG22 : 40 N MIN. #AWG24 : 28 N MIN. #AWG26 : 18 N MIN. | 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: 20 mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | X | - | |
| RAPID CHANGE OF TEMPERATURE | TEMPERATURE -55°C→ +85°C TIME 30min→ 30min UNDER 5 CYCLES. (AFTER LEAVING THE ROOM TEMPERATURE FOR 1~2h.) | | X | - | |
| NOTE 1: 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 | | | APPROVED | KI. AKIYAMA | 12. 11. 28 |
| | | | CHECKED | HK. UMEHARA | 12. 11. 28 |
| | | | DESIGNED | TT. OHSAKO | 12. 11. 27 |
| Unless otherwise specified, refer to JIS C 5402. | | | DRAWN | TT. OHSAKO | 12. 11. 27 |
| Note QT:Qualification Test AT:Assurance Test X:Applicable Test | | | DRAWING NO. | | ELC4-342494-01 |
| HRS | SPECIFICATION SHEET | | PART NO. | DF61-2226SCF (41) | |
| | HIROSE ELECTRIC CO., LTD. | | CODE NO. | CL666-5004-0-41 | △ 1/1 |