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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) | | |
| | APPLICABLE CONNECTOR | DF61-2P-2.2V(##) | | INSULATION DIAMETER | AWG26 TO 30: ϕ 0.7~1.3 mm | | |
| | VOLTAGE | 350 V AC/DC | | APPLICABLE CONTACT | DF61-2628SCF DF61-2226SCF | | |
| | CURRENT | AWG28 : 3.0A AWG26 : 3.2A AWG24 : 4.0A AWG22 : 5.0A | | | UL, C-UL Rating | Voltage | 350 V AC/DC |
| | | | | Current | AWG 28 : 3.0A AWG 26 : 3.2A AWG 24 : 4.0A AWG 22 : 5.0A | | |
| | | | |  | | | |
| 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 | | | | | | | |
| INSULATION RESISTANCE | 500 V DC. | | | 1000 M Ω MIN. | | X | - |
| VOLTAGE PROOF | 1700 V AC FOR 1 min. | | | NO FLASHOVER OR BREAKDOWN. | | X | - |
| MECHANICAL CHARACTERISTICS | | | | | | | |
| MECHANICAL OPERATION | 30 TIMES INSERTION AND EXTRACTION. | | | 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. | | | 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 \pm 2 °C, 90 TO 95 %, 96 h. (AFTER LEAVING THE ROOM TEMPERATURE FOR 1~2h.) | | | ① INSULATION RESISTANCE: 500M Ω MIN ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | | X | - |
| RAPID CHANGE OF TEMPERATURE | TEMPERATURE -55 \rightarrow +85°C TIME 30 \rightarrow 30min. UNDER 5 CYCLES. (THE TRANSFERRING TIME OF THE TANK IS 2~3 min) (AFTER LEAVING THE ROOM TEMPERATURE FOR 1~2h.) | | | | | X | - |
| REMARKS | | | | | | | |
| NOTE 1: INCLUDE THE TEMPERATURE RISE BY CURRENT. | | | | | | | |
| NOTE 2: NO CONDENSING. | | | | | | | |
| NOTE 3: APPLY TO THE CONDITION OF LONG TERM STORAGE FOR UNUSED PRODUCTS BEFORE HARNESS ASSEMBLY. AFTER HARNESS ASSEMBLY, OPERATION TEMPERATURE AND HUMIDITY RANGE ARE APPLIED FOR INTERIM STORAGE DURING TRANSPORTATION. | | | | | | | |
| | COUNT | DESCRIPTION OF REVISIONS | | DESIGNED | CHECKED | DATE | |
|  | 1 | DIS-H-00005315 | | SN. MIWA | SZ. ONO | 20191004 | |
| | | | | APPROVED | KI. AKIYAMA | 20130122 | |
| | | | | CHECKED | TS. KUMAZAWA | 20130122 | |
| | | | | DESIGNED | ST. SATO | 20130119 | |
| | | | | DRAWN | ST. SATO | 20130119 | |
| Unless otherwise specified, refer to IEC 60512. | | | | | | | |
| Note QT:Qualification Test AT:Assurance Test X:Applicable Test | | | | DRAWING NO. | | ELC-336116-11-06 | |
|  | SPECIFICATION SHEET | | | PART NO. | DF61-2S-2.2C(11) | | |
| | HIROSE ELECTRIC CO., LTD. | | | CODE NO. | CL666-5002-4-11 |  | 1/1 |