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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 | ⚠1 AWG26 : 3.2 A | APPLICABLE CABLE | AWG26 TO AWG 30 |
| | | | 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.<br>EXTRACTION FORCE 0.1 N MIN. | X | – |
| MECHANICAL OPERATION | 30 TIMES INSERTION AND EXTRACTION. | ① CONTACT RESISTANCE: 20 mΩ MAX.<br>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 1μs.<br>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 | | #AWG26 : 18 N MIN. ⚠1 | X | – |
| **ENVIRONMENTAL CHARACTERISTICS** | | | | |
| DAMP HEAT(STEADY STATE) | EXPOSED AT 40 ± 2℃ , 90 TO 95 %, 96 h.<br>(AFTER LEAVING THE ROOM TEMPERATURE FOR 1～2h.) | ① CONTACT RESISTANCE: 20 mΩ MAX.<br>② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | X | – |
| RAPID CHANGE OF TEMPERATURE | TEMPERATURE -55℃→ +85℃<br>TIME 30min→ 30min<br>UNDER 5 CYCLES.<br>(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 |
|---|---|---|---|---|---|
| ⚠1 | 2 | DIS-H-007449 | ST. SATO | HK. UMEHARA | 12. 11. 28 |

| REMARKS | | | |
|---|---|---|---|
| | APPROVED | KI. AKIYAMA | 12. 06. 14 |
| | CHECKED | HK. UMEHARA | 12. 06. 14 |
| | DESIGNED | TT. OHSAKO | 12. 06. 12 |
| Unless otherwise specified, refer to JIS C 5402. | DRAWN | TT. OHSAKO | 12. 06. 12 |

Note QT:Qualification Test AT:Assurance Test X:Applicable Test

DRAWING NO. ELC4-336117-02

| HRS | SPECIFICATION SHEET | PART NO. | DF61-2630SCF(41) | | |
|---|---|---|---|---|---|
| | HIROSE ELECTRIC CO., LTD. | CODE NO. | CL666-5003-7-41 | ⚠1 | 1/1 |

FORM HD0011-2-1