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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 +105°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 | DF62B-*S-2.2C(##)<br>DF62C-*S-2.2C(##) | VOLTAGE | AC/DC 250V |
| | APPLICABLE CABLE | AWG 22 | CURRENT | AWG 22 : 3A |
| | INSULATION DIAMETER | $\phi$1.2～$\phi$1.45 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 | 20mV MAX, 1mA (DC or 1000Hz). | 30 mΩ MAX. | X | — |
| **MECHANICAL CHARACTERISTICS** | | | | |
| CONTACT INSERTION AND EXTRACTION FORCES | T=0.44±0.002 mm BY STEEL GAUGE. | INSERTION FORCE 2.8 N MAX.<br>EXTRACTION FORCE 0.15 N MIN. | X | — |
| MECHANICAL OPERATION | 30 TIMES INSERTION AND EXTRACTION. | ①CONTACT RESISTANCE: 30 mΩ MAX.<br>②NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | X | — |
| VIBRATION | FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, AT 10 CYCLES FOR 3 DIRECTION. | ①NO ELECTRICAL DISCONTINUITY OF 1 $\mu$s.<br>②NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | X | — |
| SHOCK | 490 m/s$^2$ DURATION OF PULSE 11 ms AT 3 TIMES EACH FOR 3 BOTH AXIAL DIRECTIONS. | ①NO ELECTRICAL DISCONTINUITY OF 1 $\mu$s.<br>②NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | 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.) | ①CONTACT RESISTANCE: 30 mΩ MAX.<br>②NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | X | — |
| RAPID CHANGE OF TEMPERATURE | TEMPERATURE -55℃→ +85℃<br>TIME 30min→ 30min<br>UNDER 5 CYCLES.<br>(THE TRANSFERRING TIME OF THE TANK IS 2～3 min)<br>(AFTER LEAVING THE ROOM TEMPERATURE FOR 1～2h.) | ①CONTACT RESISTANCE: 30 mΩ MAX.<br>②NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | 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 ON BOARD, OPERATING TEMPERATURE AND HUMIDITTY RANGE IS APPLIED FOR INTERIM STRAGE DURING TRANSPORTATION.

| | COUNT | DESCRIPTION OF REVISIONS | DESIGNED | CHECKED | DATE |
|---|---|---|---|---|---|
| △0 | | | | | |

REMARKS

Unless otherwise specified, refer to IEC 60512.

| | | |
|---|---|---|
| APPROVED | KI.AKIYAMA | 14.04.26 |
| CHECKED | KI.AKIYAMA | 14.04.26 |
| DESIGNED | TS.KUMAZAWA | 14.04.25 |
| DRAWN | TS.KUMAZAWA | 14.04.25 |

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

DRAWING NO. ELC4-352024-00

| | | | | |
|---|---|---|---|---|
| HRS | SPECIFICATION SHEET | PART NO. | DF62-22SC | |
| | HIROSE ELECTRIC CO., LTD. | CODE NO. | CL544-0572-0-00 △0 | 1/1 |

FORM HD0011-2-1