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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 △2 | OPERATING TEMPERATURE RANGE | -40°C TO + 85°C(NOTE 1) | STORAGE TEMPERATURE RANGE | -10°C TO + 60°C(NOTE 2) |
| | OPERATING HUMIDITY RANGE | 40% TO + 80%(NOTE 3) | STORAGE HUMIDITY RANGE | 40% TO + 70%(NOTE 2) |
| | VOLTAGE | 250V AC/DC | APPLICABLE CONNECTOR | DF11-*DS-2C |
| | CURRENT | 3A | APPLICABLE CABLE | UL1061 AWG22 |

# 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 △2** | | | | |
| CONTACT RESISTANCE | 100mA (DC OR 1000 Hz). | 30mΩ MAX. | X | — |
| **MECHANICAL CHARACTERISTICS** | | | | |
| CONTACT INSERTION AND EXTRACTION FORCE | □0.5±0.002 BY STEEL GAUGE. | INSERTION FORCE 4.4N MAX<br>EXTRACTION FORCE 0.3N MIN | X | — |
| MECHANICAL OPERATION △2 | 30 TIMES INSERTIONS AND EXTRACTIONS. | ① CONTACT RESISTANCE: 30mΩ MAX.<br>② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | X | — |
| VIBRATION | FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, AT 2 h, FOR 3 DIRECTIONS. | 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. | ① NO ELECTRICAL DISCONTINUITY OF 1μs.<br>② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | X | — |
| **ENVIRONMENTAL CHARACTERISTICS △2** | | | | |
| RAPID CHANGE OF TEMPERATURE | TEMPERATURE -55→ 5 TO 35→ 85→ 5 TO 35 °C<br>TIME 30→10 TO 15→30→10 TO 15 min<br>UNDER 5 CYCLES. | ① CONTACT RESISTANCE: 30mΩ MAX.<br>② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | X | — |
| DAMP HEAT (STEADY STATE) | EXPOSED AT 40 ± 2 °C, 90 TO 95 %, 96 h. | ① CONTACT RESISTANCE: 30mΩ MAX.<br>② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | X | — |

REMARKS

NOTE 1:INCLUDING THE TEMPERATURE RISE BY CURRENT

NOTE 2:APPLY TO THE CONDITION OF LONG TERM STORAGE FOR UNUSED PRODUCTS BEFORE MOUNTED ON PCB, AFTER MOUNTED ON PCB, OPERATION TEMPERATURE AND HUMIDITY RANGE IS APPLIED FOR INTERIM STORAGE DURING TRANSPORTATION.

NOTE 3:NO CONDENSING. △2

| | COUNT | DESCRIPTION OF REVISIONS | DESIGNED | CHECKED | DATE |
|---|---|---|---|---|---|
| △2 | 5 | DIS-H-00004269 | TS.MIYAKI | HS.OKAWA | 20180928 |

Unless otherwise specifid , refer to IEC 60512.

| | | |
|---|---|---|
| APPROVED | KJ.KATAYOSE | 20050105 |
| CHECKED | TY.OMA | 20050105 |
| DESIGNED | IO.DENPOUYA | 20050105 |
| DRAWN | IO.DENPOUYA | 20050105 |

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

DRAWING NO. ELC-081373-00-00

| | | | | |
|---|---|---|---|---|
| HRS | SPECIFICATION SHEET | PART NO. | DF11-22SC | |
| | HIROSE ELECTRIC CO., LTD. | CODE NO. | CL543-0602-2-00 △2 | 1/1 |

FORM HD0011-2-1