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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 | -40°C TO + 85°C (NOTE 1) △1 | | | STORAGE TEMPERATURE RANGE | -10°C TO + 60°C |
| | OPERATING HUMIDITY RANGE | 40% TO 80% (NOTE2) △1 | | | STORAGE HUMIDITY RANGE | 40% TO 70% (NOTE3) △1 |
| | VOLTAGE | 250V AC | UL·CSA RATING △1 | 30V AC | APPLICABLE CONTACT △1 | DF11-EP2428PC(F)<br>DF11-EP2428PC(F)A |
| | CURRENT | 2 A | | 2 A | APPLICABLE CABLE △1 | UL1061, 1007<br>AWG24 TO 28 |
| | APPLICABLE CONNECTOR △1 | DF11-*DS-2C | | | | |

# 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 MΩ MIN. | X | — |
| VOLTAGE PROOF | 650 V AC FOR 1 min. | NO FLASHOVER OR BREAKDOWN. | X | — |
| **MECHANICAL CHARACTERISTICS** | | | | |
| MECHANICAL OPERATION △1 | 30 TIMES INSERTIONS AND EXTRACTIONS. | NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | X | — |
| VIBRATION △1 | FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, AT 2 h, FOR 3 DIRECTIONS. | NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | X | — |
| SHOCK △1 | 490 $m/s^2$ DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS. | NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | X | — |
| **ENVIRONMENTAL CHARACTERISTICS** | | | | |
| RAPID CHANGE OF TEMPERATURE △1 | TEMPERATURE -55→ 5 TO 35→+85→ 5 TO 35 °C<br>TIME 30→ 5 MAX → 30→ 5 MAX min<br>UNDER 5 CYCLES. | ① INSULATION RESISTANCE: 1000MΩ MIN.<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 INSULATION RESISTANCE: 1000MΩ MIN.<br>② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | X | — |

REMARKS
NOTE 1: INCLUDING THE TEMPERATURE RISE BY CURRENT.
NOTE 2:NO CONDENSING. △1
NOTE 3:APPLY TO THE CONDITION OF LONG TERM STORAGE FOR UNUSED PRODUCTSBEFORE PCB ON BOARD,AFTER PCB BOARD, OPERATING TEMPERATURE AND HUMIDITY RANGE IS APPLIED FOR INTERIM STORAGE DURING TRANSPORTATION. △1

| | COUNT | DESCRIPTION OF REVISIONS | DESIGNED | CHECKED | DATE |
|---|---|---|---|---|---|
| △1 | 13 | DIS-H-008583 | MI.SAKIMURA | HK.UMEHARA | 14.03.25 |

REMARKS
NOTE 1:INCLUDING THE TEMPERATURE RISE BY CURRENT.

Unless otherwise specifid , refer to IEC 60512.

| | | |
|---|---|---|
| APPROVED | KJ.KATAYOSE | 05.01.05 |
| CHECKED | TY.OMA | 05.01.05 |
| DESIGNED | IO.DENPOUYA | 05.01.05 |
| DRAWN | IO.DENPOUYA | 05.01.05 |

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

DRAWING NO. ELC4-081880-01

| | | | | |
|---|---|---|---|---|
| HRS | SPECIFICATION SHEET | PART NO. | DF11-*DEP-2C | |
| | HIROSE ELECTRIC CO., LTD. | CODE NO. | CL543 △1 | 1/1 |

FORM HD0011-2-1