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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 | -30 °C TO +85 °C(NOTE1) | STORAGE TEMPERATURE RANGE | -10°C TO +60 °C(NOTE2) | |
| | VOLTAGE | 250V AC | APPLICABLE CONNECTOR | DF4-*P-2C/DF4-*DP-2C | |
| | CURRENT | AWG 24 : 3A<br>AWG 26 : 2A<br>AWG 28 : 1A | APPLICABLE WIRE | UL1061, AWG24 TO 28 | |
| | | | SUBSTRATE RECOMMENDATION SPROCKET HOLE | SINGLE LOW | φ0.8(+0.1/0) |
| | | | | DOUBLE LOW | φ0.9±0.05 |

# 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 |
| **ELECTRICAL CHARACTERISTICS** | | | | |
| CONTACT RESISTANCE | 100 mA (DC OR 1000 Hz). | 30 mΩ MAX. | X | — |
| **MECHANICAL CHARACTERISTICS** | | | | |
| 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** | | | | |
| DAMP HEAT (STEADY STATE) | EXPOSED AT 40 ± 2 °C, 90 TO 95 %, 96 h. | ① CONTACT RESISTANCE: 30 mΩ MAX.<br>② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | X | — |
| RAPID CHANGE OF TEMPERATURE | TEMPERATURE -55→ 15 TO 35 →85 →15 TO 35 °C<br>TIME 30→ 10 TO 15 →30→10 TO 15 min<br>UNDER 5 CYCLES. | ① CONTACT RESISTANCE: 30 mΩ MAX.<br>② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | X | — |
| RESISTANCE TO SOLDERING HEAT | ①AUTOMATIC SOLDERING ( FLOW )<br>SOLDER TEMPERATURE : 250℃ FOR IMMERSION,DURATION : 10 sec.<br>②MANUAL SOLDERING<br>SOLDERING IRON TEMPERATURE : 300℃<br>SOLDERING TIME : 3 sec.<br>NO STRENGTH ON CONTACT. | NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS. | X | — |

REMARKS
NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT.
NOTE2:APPLY TO THE CONDITION OF LONG TERM STORAGE FOR UNUSED PRODUCTS BEFORE PCB ON BOARD,AFTER PCB BOARD, OPERATING TEMPERATURE AND HUMIDITY RANGE IS APPLIED FOR INTERIM STORAGE DURING TRANSPORTATION.

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

Unless otherwise specified, refer to JIS C 5402.

| | | |
|---|---|---|
| APPROVED | TY. OMA | 07. 06. 22 |
| CHECKED | HK. UMEHARA | 07. 06. 22 |
| DESIGNED | TS. KUMAZAWA | 07. 06. 22 |
| DRAWN | KT. ISHII | 07. 06. 22 |

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

DRAWING NO. ELC4-019441-03

| | | | | |
|---|---|---|---|---|
| HRS | SPECIFICATION SHEET | PART NO. | DF4-2428PCF(05) | |
| | HIROSE ELECTRIC CO., LTD. | CODE NO. | CL544-0020-3-05 △0 | 1/1 |

FORM HD0011-2-1