

In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

| APPLICABLE STANDARD | | | | STORAGE TEMPERATURE RANGE | -10 °C TO +60 °C | |
|---------------------------------------|---|----------------------------|---|---------------------------|---|---------------------|
| RATING | OPERATING TEMPERATURE RANGE | -35 °C TO +85 °C(NOTES 1) | | APPLICABLE CONNECTOR | DF1E(A)*EP-2.5C | |
| | VOLTAGE | 250 V AC | | APPLICABLE CABLE | UL1007, 1061: AWG22 TO 20 | |
| | CURRENT | AWG22 TO 20: 3 A | | | | |
| SPECIFICATIONS | | | | | | |
| ITEM | TEST METHOD | | REQUIREMENTS | | QT | AT |
| CONSTRUCTION | | | GENERAL EXAMINATION | | | |
| VISUALLY AND BY MEASURING INSTRUMENT. | | | ACCORDING TO DRAWING. | | | |
| MARKING | | | CONFIRMED VISUALLY. | | | |
| ELECTRIC CHARACTERISTICS | | | | | | |
| CONTACT RESISTANCE | 20 mV MAX. 1 mA (DC OR 1000 Hz). | | 30 mΩ MAX. | | X | - |
| MECHANICAL CHARACTERISTICS | | | | | | |
| MECHANICAL OPERATION | | | 30 TIMES INSERTIONS AND EXTRACTIONS. | | ① CONTACT RESISTANCE: 30 mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | |
| VIBRATION | FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, AT 2 h, FOR 3 DIRECTIONS. | | ① NO ELECTRICAL DISCONTINUITY OF 1 μs. 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 | - |
| ENVIRONMENTAL CHARACTERISTICS | | | | | | |
| RAPID CHANGE OF TEMPERATURE | TEMPERATURE -55 → 5 TO 35 → +85 → 5 TO 35 °C TIME 30 → 5 MAX → 30 → 5 MAX UNDER 5 CYCLES. | | ① CONTACT RESISTANCE: 30 mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | | X | - |
| DAMP HEAT (STEADY STATE) | EXPOSED AT 40 ± 2 °C, 90 TO 95 %, 96 h. | | | | X | - |
| COUNT | DESCRIPTION OF REVISIONS | DESIGNED | CHECKED | DATE | | |
| REMARKS | NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT | | | | | |
| | Unless otherwise specified, refer to JIS C 5402. | | | | | |
| | Note QT:Qualification Test | | AT:Assurance Test | | X:Applicable Test | |
| | APPROVED | | TY.OMA | | 07.03.20 | |
| CHECKED | | HK.UMEHARA | | 07.03.20 | | |
| DESIGNED | | TS.FUKUSHIMA | | 07.03.19 | | |
| DRAWN | | TS.FUKUSHIMA | | 07.03.19 | | |
| DRAWING NO. | | ELC4-161020-01 | | | | |
| HRS | | SPECIFICATION SHEET | | PART NO. | | DF1E-2022PCF |
| HIROSE ELECTRIC CO., LTD. | | CODE NO. | | CL541-0937-8-00 | | 1/ |