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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 |
| | VOLTAGE | 250 V AC | APPLICABLE CONNECTORS | DF1B(A)-(D)EP-2.5RC |
| | CURRENT | 1 A | OPERATING HUMIDITY RANGE | UL1061, AWG28 |
| 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 | 100 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. | X | - |
| 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 → 10 →30→ 10 min 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. | ① CONTACT RESISTANCE: 30 mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | X | - |
| | | | | |
| COUNT | DESCRIPTION OF REVISIONS | DESIGNED | CHECKED | DATE |
| △ | | | | |
| REMARKS | | APPROVED | KI. AKIYAMA | 12.10.23 |
| NOTE1:INCLUDING THE TEMPERATURE RISING BY CURRENT. | | CHECKED | HK. UMEHARA | 12.10.23 |
| | | DESIGNED | KY. SHIMAKURA | 12.10.22 |
| | | DRAWN | KY. SHIMAKURA | 12.10.22 |
| Note | QT:Qualification Test AT:Assurance Test X:Applicable Test | DRAWING NO. | ELC4-080523-01 | |
| HRS | SPECIFICATION SHEET | PART NO. | DF1B-28PR | |
| | HIROSE ELECTRIC CO., LTD. | CODE NO. | CL541-0671-2-00 | △ 1/1 |