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

| | COUNT | DESCRIPTION OF REVISIONS | BY | CHKD | DATE | | COUNT | DESCRIPTION OF REVISIONS | BY | CHKD | DATE |
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| APPLICABLE STANDARD | | | | |
|---|---|---|---|---|
| RATING | OPERATING TEMPERATURE RANGE | -35 °C TO +85 °C(NOTE1) | STORAGE TEMPERATURE RANGE | -10 °C TO +60 °C |
| | VOLTAGE | 250 V AC | APPLICABLE CONNECTOR | DF1B-*DS-2.5RC |
| | CURRENT | 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 | 100 mA (DC OR 1000 Hz). | 30 mΩ MAX. | × | — |
| INSULATION RESISTANCE | 500 V DC. | 1000 MΩ MIN. | × | — |
| VOLTAGE PROOF | 650 V AC FOR 1 min. | NO FLASHOVER OR BREAKDOWN. | × | — |
| **MECHANICAL CHARACTERISTICS** | | | | |
| MECHANICAL OPERATION | 30 TIMES INSERTIONS AND EXTRACTIONS. | ① CONTACT RESISTANCE: 30 mΩ MAX.<br>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.<br>② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | × | — |
| SHOCK | 490 $m/s^2$ DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS. | ① NO ELECTRICAL DISCONTINUITY OF 1 μs.<br>② CONTACT RESISTANCE: 30 mΩ MAX.<br>③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | × | — |
| **ENVIRONMENTAL CHARACTERISTICS** | | | | |
| RAPID CHANGE OF TEMPERATURE | TEMPERATURE -55→ 5 TO 35→+85→ 5 TO 35 °C<br>TIME 30→ 5 MAX → 30→ 5 MAX min<br>UNDER 5 CYCLES. | ① CONTACT RESISTANCE: 30 mΩ MAX.<br>② INSULATION RESISTANCE: 1000 MΩ MIN.<br>③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | × | — |
| DAMP HEAT (STEADY STATE) | EXPOSED AT 40 ± 2 °C, 90 ~ 95 %, 96 h. | ① CONTACT RESISTANCE: 30 mΩ MAX.<br>② INSULATION RESISTANCE: 1000 MΩ MIN.<br>③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | × | — |
| RESISTANCE TO SOLDERING HEAT | 1) AUTOMATIC SOLDERING (FLOW)<br>SOLDER TEMPERATURE, 260 ℃ FOR IMMERSION,DURATION, 5 sec.<br>2) MANUAL 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. | × | — |
| SOLDERABILITY | SOLDERED AT SOLDER TEMPERATURE, 235 °C FOR INSERTION DURATION, 5 s. | SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSED. | × | — |
| | | | | |

REMARKS
NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT.

Unless otherwise specified, refer to JIS C 5402.

| DRAWN | DESIGNED | CHECKED | APPROVED | RELEASED |
|---|---|---|---|---|
| F.Matsuki | H.Umehara | T.Miyazaki | T.Ono | |
| '04.03.25 | '04.03.25 | '04.03.25 | 04.03.25 | |

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

| HRS HIROSE ELECTRIC CO., LTD. | SPECIFICATION SHEET | PART NO. DF1BZ-*DP-2.5DS | |
|---|---|---|---|
| CODE NO.(OLD) CL | DRAWING NO. ELC4-305815-01 | PART NO. CL541 | 1/1 |

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FORM No.231-1

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