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In case that the application demands a high level of reliability, such as automotive,
please contact a company representative for further information.

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| | 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. | | | x | x | |
| MARKING | | CONFIRMED VISUALLY. | | | | | | | x | x | |
| ELECTRIC CHARACTERISTICS | | | | | | | | | | | |
| CONTACT RESISTANCE | | 100 mA (DC OR 1000 Hz). | | | | 30 mΩ MAX. | | | x | — | |
| 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 | | 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. | | | | ① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② CONTACT RESISTANCE: 30 mΩ MAX. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | | | x | — | |
| ENVIRONMENTAL CHARACTERISTICS | | | | | | | | | | | |
| RAPID CHANGE OF TEMPERATURE | | TEMPERATURE -55→ 5 TO 35→+85→ 5 TO 35 °C TIME 30→ 5 MAX → 30→ 5 MAX min UNDER 5 CYCLES. | | | | ① CONTACT RESISTANCE: 30 mΩ MAX. ② INSULATION RESISTANCE: 1000 MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | | | x | — | |
| DAMP HEAT (STEADY STATE) | | EXPOSED AT 40 ± 2 °C, 90 ~ 95 %, 96 h. | | | | ① CONTACT RESISTANCE: 30 mΩ MAX. ② INSULATION RESISTANCE: 1000 MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | | | x | — | |
| RESISTANCE TO SOLDERING HEAT | | 1) AUTOMATIC SOLDERING (FLOW) SOLDER TEMPERATURE, 260 °C FOR IMMERSION,DURATION, 5 sec. 2) MANUAL SOLDERING SOLDERING IRON TEMPERATURE : 300 °C, SOLDERING TIME : 3 sec. NO STRENGTH ON CONTACT. | | | | NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS. | | | x | — | |
| SOLDERABILITY | | SOLDERED AT SOLDER TEMPERATURE, 235 °C FOR INSERTION DURATION, 5 s. | | | | SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSED. | | | x | — | |
| REMARKS | | | | | | | | | | | |
| NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT. | | | | | | DRAWN | DESIGNED | CHECKED | APPROVED | RELEASED | |
| | | | | | | F.Matsuki '04.03.25 | H.Umehara '04.03.25 | T.Miyazaki '04.03.25 | T.Gao '04.03.25 | | |
| Unless otherwise specified, refer to JIS C 5402. | | | | | | | | | | | |
| Note QT:Qualification Test AT:Assurance Test x:Applicable Test | | | | | | | | | | | |
| HS 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 | | |