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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 CONTACT | — |
| | CURRENT | 3 A | APPLICABLE CONNECTOR | DF1B-*DS-2.5RC |
| | | | APPLICABLE CABLE | — |

SPECIFICATIONS

| ITEM | TEST METHOD | REQUIREMENTS | QT | AT |
|------|-------------|--------------|----|----|
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| CONSTRUCTION | | | | |
| GENERAL EXAMINATION | VISUALLY AND BY MEASURING INSTRUMENT. | ACCORDING TO DRAWING. | X | X |
| MARKING | CONFIRMED VISUALLY. | | X | X |


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| ELECTRIC CHARACTERISTICS | | | | |
| CONTACT RESISTANCE | 100 mA (DC OR 1000 Hz). | 30 mΩ MAX. | X | — |
| INSULATION RESISTANCE | 500 VDC. | 1000 MΩ MIN. | X | — |
| VOLTAGE PROOF | 650V AC FOR 1 min. | NO FLASHOVER OR BREAKDOWN. | X | — |

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| MECHANICAL CHARACTERISTICS | | | | |
| MECHANICAL OPERATION | 50 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, - m/s ² AT 2 h, FOR 3 DIRECTIONS. | ① NO ELECTRICAL DISCONTINUITY OF 1 μs. | X | — |
| SHOCK | 490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS. | ② CONTACT RESISTANCE: 30 mΩ MAX. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | X | — |

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| ENVIRONMENTAL CHARACTERISTICS | | | | |
| RAPID CHANGE OF TEMPERATURE | TEMPERATURE -55→ 5~35 →+85→ 5~35 °C TIME 30→10~15→ 30 →10~15 min UNDER 5 CYCLES. | ① CONTACT RESISTANCE: 30 mΩ MAX. ② INSULATION RESISTANCE: 500 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: 500 MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | X | — |
| RESISTANCE TO SOLDERING HEAT | SOLDER TEMPERATURE, 250°C, FOR IMMERSION, DURATION, 10 s. | NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS. | X | — |
| SOLDERABILITY | SOLDERED AT SOLDER TEMPERATURE, 230±3 °C FOR INSERTION DURATION, 3 s. | SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMersed. | X | — |

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| REMARKS | DRAWN | DESIGNED | CHECKED | APPROVED | RELEASED |
| NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT. | <i>M. Kurumadachi</i> | <i>T. Kurumazawa</i> | <i>T. Miyazaki</i> | <i>T. Miyazaki</i> | |
| Unless otherwise specified, refer to MIL-STD-1344. | 03.03.14 | 03.03.14 | 03.03.14 | 03.03.14 | |

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

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|  HIROSE ELECTRIC CO., LTD. | SPECIFICATION SHEET | | PART NO. |
| | ELC4-071800-01 | | DF1B- * DP-2.5DSA (01) |
| CODE NO.(OLD) | DRAWING NO. | PART NO. | |
| CL | ELC4-071800-01 | CL541 | 1/1 |

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