| | COUNT | DESCRIPTION OF REVISIONS | BY | CHKD | DATE | | COUNT | DESCRIPTION OF REVISIONS | BY | CHKD | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| △ | | | | | | △ | | | | | |
| △ | | | | | | △ | | | | | |

| APPLICABLE STANDARD | | | | |
|---|---|---|---|---|
| RATING | VOLTAGE | 250V AC | CURRENT | 3A |
| | OPERATING TEMPERATURE RANGE | -35 °C TO +85 °C(NOTE1) | STORAGE TEMPERATURE RANGE | -10°C TO +60 °C(NOTE3) |
| | OPERATING HUMIDITY RANGE | 20% TO 80%(NOTE2) | STORAGE HUMIDITY RANGE | 20% TO 70%(NOTE3) |
| | APPLICABLE CONNECTOR | DF1B-*S-2.5R | | |

# 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 | 100mA (DC OR 1000 Hz). | 30mΩ MAX. | × | — |
| INSULATION RESISTANCE | 500V DC. | 1000MΩ MIN. | × | — |
| VOLTAGE PROOF | 650V AC FOR 1 min. | NO FLASHOVER OR BREAKDOWN. | × | — |
| **MECHANICAL CHARACTERISTICS** | | | | |
| CONTACT INSERTION AND EXTRACTION FORCES | □0.635±0.002 BY STEEL GAUGE. | INSERTION FORCE 4.4N MAX<br>EXTRACTION FORCE 0.4N MIN | × | — |
| MECHANICAL OPERATION | 50 TIMES INSERTIONS AND EXTRACTIONS. | ① CONTACT RESISTANCE: 30mΩ 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 1μs. | × | — |
| SHOCK | 490 $m/s^2$ DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS. | ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | × | — |
| **ENVIRONMENTAL CHARACTERISTICS** | | | | |
| DAMP HEAT (STEADY STATE) | EXPOSED AT 40±2 °C, 90 ～ 95 %, 96 h. | ① CONTACT RESISTANCE: 30mΩ MAX.<br>② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | × | — |
| RAPID CHANGE OF TEMPERATURE | TEMPERATURE –55 →5 TO 35 →+85→5 TO35°C<br>TIME 30 →10 TO 15 →30 →10 TO15min<br>UNDER 5 CYCLES. | ① CONTACT RESISTANCE: 30mΩ MAX.<br>② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | × | — |
| | | | | |

REMARKS
NOTE1:INCLUDING THE TEMPERATURE RISE BY CURRENT.
NOTE2:NO CONDENSING.
NOTE3:APPLY TO THE CONDITION OF LONG TERM STORAGE FOR UNUSED PRODUCTS BEFORE PCB ON BOARD, AFTER PCB BOARD,OPERATING TEMPERATURE AND HUMIDITY RANGE IS APPLIED FOR INTERIM STORAGE DURING TRANSPORTATION.
Unless otherwise specified, refer to JIS C 5402

| DRAWN | DESIGNED | CHECKED | APPROVED | RELEASED |
|---|---|---|---|---|
| T.Kumazawa | T.Kumazawa | T.Miyazaki | T.Ono | |
| '04.03.05 | '04.03.05 | '04.03.08 | 04.03.09 | |

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

| HRS HIROSE ELECTRIC CO., LTD. | SPECIFICATION SHEET | PART NO. DF1B－＊P－2.5DS(01) |
|---|---|---|

| CODE NO.(OLD) | DRAWING NO. | PART NO. | |
|---|---|---|---|
| CL | ELC4－162412－01 | CL541 | 1/1 |

FORM No. 231-1

TO

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