

| 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 (NOTE 1) | STORAGE TEMPERATURE RANGE | -10 °C TO +60 °C |
| | VOLTAGE | 250 V AC | APPLICABLE CONTACT | |
| | CURRENT | 3 A | APPLICABLE CONNECTOR | |
| | | | APPLICABLE CABLE | |

SPECIFICATIONS

| ITEM | TEST METHOD | REQUIREMENTS | Q | T | A | T |
|--|--|---|---|---|---|---|
| CONSTRUCTION | | | | | | |
| GENERAL EXAMINATION | VISUALLY AND BY MEASURING INSTRUMENT. | ACCORDING TO DRAWING. | | | ○ | ○ |
| MARKING | CONFIRMED VISUALLY. | | | | ○ | ○ |
| ELECTRICAL CHARACTERISTICS | | | | | | |
| CONTACT RESISTANCE | 100 mA (DC OR 1000 Hz). | 30 mΩ MAX. | | | ○ | — |
| CONTACT RESISTANCE MILLIVOLT LEVEL METHOD. | 20 mV MAX. mA (DC OR 1000 Hz). | mΩ MAX. | | | — | — |
| INSULATION RESISTANCE | 500 V DC | 1000 MΩ MIN. | | | ○ | — |
| VOLTAGE PROOF | 650 V AC FOR 1 min | NO FLASHOVER OR BREAKDOWN. | | | ○ | — |
| MECHANICAL CHARACTERISTICS | | | | | | |
| CONTACT INSERTION AND EXTRACTION FORCES | BY STEEL GAUGE. | INSERTION FORCE N MAX. EXTRACTION FORCE N MIN. | | | — | — |
| INSERTION AND WITHDRAWAL FORCES | MEASURED BY APPLICABLE CONNECTOR. | INSERTION FORCE N MAX. EXTRACTION FORCE N MIN. | | | — | — |
| MECHANICAL OPERATION | ≥ 20 TIMES INSERTIONS AND EXTRACTIONS | ① CONTACT RESISTANCE: 30 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS. | | | ○ | — |
| 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 / μs. ② CONTACT RESISTANCE: — mΩ MAX. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS. | | | ○ | — |
| SHOCK | 490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS. | ① NO ELECTRICAL DISCONTINUITY OF / μs. ② CONTACT RESISTANCE: — mΩ MAX. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS. | | | ○ | — |
| ENVIRONMENTAL CHARACTERISTICS | | | | | | |
| 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 AND LOOSENESS OF PARTS. | | | ○ | — |
| RAPID CHANGE OF TEMPERATURE | TEMPERATURE -55 → -5~35 → +85 → 5~35 °C TIME 30 → 5 → 30 → 5 min UNDER 5 CYCLES. | ① CONTACT RESISTANCE: 30 mΩ MAX. ② INSULATION RESISTANCE: 1000 MΩ. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS. | | | ○ | — |
| RESISTANCE TO SOLDERING HEAT | SOLDER TEMPERATURE, °C FOR IMMERSION, DURATION, s. | NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS. | | | — | — |
| SOLDERABILITY | SOLDERED AT SOLDER TEMPERATURE, °C FOR IMMERSION DURATION, s. | A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMersed. | | | — | — |

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| REMARKS NOTE1 INCLUDE THE TEMPERATURE RISING BY CURRENT. Unless otherwise specified, refer to MIL-STD-1344. | DRAWN | DESIGNED | CHECKED | APPROVED | RELEASED |
| | <i>R. Sasaki</i> '95.10.12 | <i>M. Tanaka</i> '95.10.13 | <i>J. Oma</i> '95.10.17 | <i>H. Yamamoto</i> '95.10.23 | |

Note Q T: Qualification Test A T: Assurance Test ○: Applicable Test

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| HRS HIROSE ELECTRIC CO., LTD. | SPECIFICATION SHEET | PART NO. DF1BA-※EP-2.5RC |
| CODE NO. (OLD) CL | DRAWING NO. ELC4-160595 | CODE NO. CL CODE NO. SHALL BE IN ACCORDANCE WITH TABLE. |

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