

| COUNT | DESCRIPTION OF REVISIONS | BY | CHKD | DATE | COUNT | DESCRIPTION OF REVISIONS | BY | CHKD | DATE |
|---|---|--------------------------|----------|--|----------------------------|--------------------------|-------------------------------------|-------------------------------------|------|
| APPLICATION STANDARD | | | | | | | | | |
| RATING | OPERATING TEMPERATURE RANGE | -55 °C TO +85 °C | | | STORAGE TEMPERATURE RANGE | --- °C TO --- °C | | | |
| | VOLTAGE | 200V AC | | | OPERATING HUMIDITY RANGE | --- % TO --- % | | | |
| | CURRENT | 2 A | | | APPLICABLE CABLE | AWG#26~36 | | | |
| SPECIFICATIONS | | | | | | | | | |
| ITEM | TEST METHOD | | | REQUIREMENT | | | QT | AT | |
| CONSTRUCTION | | | | | | | | | |
| GENERAL EXAMINATION | VISUALLY AND BY MEASURING INSTRUMENT | | | ACCORDING TO DRAWING | | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| MARKING | CONFIRMED VISUALLY | | | | | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| ELECTRICAL CHARACTERISTICS | | | | | | | | | |
| CONTACT RESISTANCE | mA (DC OR 1000 Hz) | | | mΩ MAX. | | | — | — | |
| CONTACT RESISTANCE MILLIVOLT LEVEL METHOD | mV MAX, mA (DC OR 1000 Hz) | | | mΩ MAX. | | | — | — | |
| INSULATION RESISTANCE | 500 V DC | | | 1000 MΩ MIN. | | | <input checked="" type="checkbox"/> | — | |
| VOLTAGE PROOF | 650 V AC FOR 1 min. | | | NO FLASHOVER OR BREAKDOWN | | | <input checked="" type="checkbox"/> | — | |
| MECHANICAL CHARACTERISTICS | | | | | | | | | |
| CONTACT INSERTION AND EXTRATION FORCES | BY STEEL GAUGE. | | | INSERTION FORCE: N MAX. EXTRACTION FORCE: N MIN. | | | — | — | |
| INSERTION AND WITHDRAWAL FORCES | MEASURED BY APPLICABLE CONNECTOR. | | | INSERTION FORCE: N MAX. WITHDRAWAL FORCE N MIN. | | | — | — | |
| MECHANICAL OPERATION | TIMES INSERTION AND EXTRATIONS. | | | 1) CONTACT RESISTANCE: mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PART. | | | — | — | |
| VIBRATION | FREQUENCY: TO Hz, AMPLITUDE: mm, - m/s ² AT h FOR DIRECTIONS. | | | 1) NO ELECTRICAL DISCONTINUITY OF μs 2) CONTACT RESISTANCE: - mΩ MAX. 3) NO DAMAGE, CRACK AND LOOSENESS OF PART. | | | — | — | |
| SHOCK | m/s ² DURATION OF PULSE ms AT TIMES FOR DIRECTIONS. | | | | | | — | — | |
| ENVIRONMENTAL CHARACTERISTICS | | | | | | | | | |
| DAMP HEAT (STEADY STATE) | EXPOSED AT 40±2 °C, 90~95 %, 96 h. | | | 1) CONTACT RESISTANCE: mΩ MAX. 2) INSULATION RESISTANCE: 1000 MΩ MIN. | | | <input checked="" type="checkbox"/> | — | |
| RAPID CHAGE OF TEMPERTURE | TEMPERTURE-55→15~35→ 85→15~35°C TIME 30→10~15→30→10~15 min. UNDER 5 CYCLES. | | | 3) NO DAMAGE, CRACK AND LOOSENESS OF PART. | | | <input checked="" type="checkbox"/> | — | |
| DAMP HEAT,CYCLIC | EXPOSED AT TO °C, TO %,TOTAL CYCLES(h). | | | 1) CONTACT RESISTANCE: mΩ MAX. 2) INSULATION RESISTANCE: MΩ MIN.(AT HIGH HUMIDITY) 3) INSULATION RESISTANCE: MΩ MIN.(AT DRY) 4) NO DAMAGE, CRACK AND LOOSENESS OF PART. | | | — | — | |
| DRY HEAT | EXPOSED AT °C, h. | | | 1) CONTACT RESISTANCE: mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PART. | | | — | — | |
| CORROSION SALT MIST | EXPOSED IN % SALT WATER SPRAY FOR h. | | | 1) CONTACT RESISTANCE: mΩ MAX. 2) NO HEAVY CORROSION. | | | — | — | |
| HYDROGEN SULPHIDE | EXPOSED IN PPM FOR h. (TEST STANDARD:JEIDA-38) | | | | | | — | — | |
| SULPHUR DIOXIDE | EXPOSED IN PPM FOR h. (TEST STANDARD:JEIDA-39) | | | | | | — | — | |
| RESISTANCE TO SOLDERING HEAT | SOLDER TEMPERATURE, °C FOR IMMERSION,DURATION, s.(MIL-STD-202) | | | NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINAL. | | | — | — | |
| SOLDABILITY | SOLDERED AT SOLDER TEMPERATURE, °C FOR IMMERSION DURATION, s.(MIL-STD-202) | | | A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSED. | | | — | — | |
| REMARKS | DRAWN | | DESIGNED | CHECKED | APPROVED | RELEASED | | | |
| J. J. karo / 97.10.01 | | J. J. karo / 97.10.01 | | H. Obara / 97.10.02 | M. Jumaguchi / 97.10.03 | | | | |
| UNLESS OTHERWISE SPECIFIED, REFER TO MIL-STD-1364 97.10.01 97.10.01 97.10.02 97.10.03 | | | | | | | | | |
| NOTE QT: QUALIFICATION TEST AT: ASSURANCE TEST O: APPLICABLE TEST | | | | | | | | | |
| SPECIFICATION SHEET PART NO. A3B-44D-2C | | | | | | | | | |
| HIROSE ELECTRIC CO.,LTD. | | DRAWING NO. | | CODE NO. | | | | | |
| CODE NO.(OLD) | | DRAWING NO. | | CODE NO. | | | | | |
| CL | | ELC4- 082333 | | CL 621 - 0330 - 5 | | | | | |