

| APPLICABLE STANDARD | | | | | |
|---|--|--|---------------------------|---------------------------------|----------|
| RATING | OPERATING TEMPERATURE RANGE | -55 °C TO 85 °C ⁽¹⁾ | STORAGE TEMPERATURE RANGE | -10 °C TO +60 °C ⁽²⁾ | |
| | OPERATING HUMIDITY RANGE | 40 % TO 80 % | STORAGE HUMIDITY RANGE | 40 % TO 70 % ⁽²⁾ | |
| | VOLTAGE | 200 V AC | APPLICABLE CABLE | — | |
| | CURRENT | 1 A | INSULATION | — | |
| 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 | 100 mA (DC OR 1000 Hz). | 15 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 | □0.5 ± 0.002 mm BY STEEL GAUGE. | INSERTION FORCE : 2.45 N MAX. EXTRACTION FORCE: 0.25 N MIN. | × | — | |
| MECHANICAL OPERATION | 100 TIMES INSERTIONS AND EXTRACTIONS. | 1) CONTACT RESISTANCE: 20 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS. | × | — | |
| VIBRATION | FREQUENCY 10 TO 55 Hz, AMPLITUDE : 1.5 mm, 2 h IN 3 DIRECTIONS. | 1) NO ELECTRICAL DISCONTINUITY OF 1 μs. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS. | × | — | |
| SHOCK | 490 m/s ² , DURATION OF PULSE 11 ms FOR 3 TIMES IN 3 DIRECTIONS. | | × | — | |
| ENVIRONMENTAL CHARACTERISTICS | | | | | |
| DAMP HEAT (STEADY STATE) | EXPOSED AT 40±2 °C, 90 TO 95 %, 96 h. | 1) CONTACT RESISTANCE: 20 mΩ MAX. 2) INSULATION RESISTANCE: 1000 MΩ MIN. 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS. | × | — | |
| RAPID CHANGE OF TEMPERATURE | TEMPERATURE -65 → +15 TO +35 → +125 → +15 TO +35 °C TIME 30 → 10 TO 15 → 30 → 10 TO 15 min. UNDER 5 CYCLES. | | × | — | |
| CORROSION SALT MIST | EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h. | 1) CONTACT RESISTANCE: 20 mΩ MAX. 2) NO HEAVY CORROSION. | × | — | |
| SULPHUR DIOXIDE | EXPOSED IN 10 PPM FOR 96 h. (TEST STANDARD: JEIDA - 39) | | × | — | |
| RESISTANCE TO SOLDERING HEAT | 1) SOLDER BATH: SOLDER TEMPERATURE, 260±5°C FOR IMMERSION, DURATION, 10±1s. 2) SOLDERING IRONS : 350°C FOR 3 s MAX. | NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS. | × | — | |
| SOLDERABILITY | SOLDERED AT SOLDER TEMPERATURE, 245±3°C, FOR IMMERSION DURATION, 2 s. | A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMersed. | × | — | |
| | | | | | |
| | COUNT | DESCRIPTION OF REVISIONS | DESIGNED | CHECKED | DATE |
| △ | | | | | |
| REMARK | | | APPROVED | HS. OKAWA | 15.06.04 |
| (1) TEMPERATURE RISE INCLUDED WHEN ENERGIZED. | | | CHECKED | HT. YAMAGUCHI | 15.06.04 |
| (2) THIS STORAGE INDICATES A LONG-TERM STORAGE STATE FOR THE UNUSED PRODUCT BEFORE THE BOARD MOUNTED. | | | DESIGNED | MT. ITANO | 15.06.04 |
| Unless otherwise specified, refer to MIL-STD-1344. | | | DRAWN | MT. ITANO | 15.06.04 |
| Note QT:Qualification Test AT:Assurance Test X:Applicable Test | | DRAWING NO. | ELC-081245-71-21 | | |
| HRS | SPECIFICATION SHEET | | PART NO. | A3C-16DA-2DSC (71) | |
| | HIROSE ELECTRIC CO., LTD. | | CODE NO. | CL621-0537-3-71 | △ 1/1 |