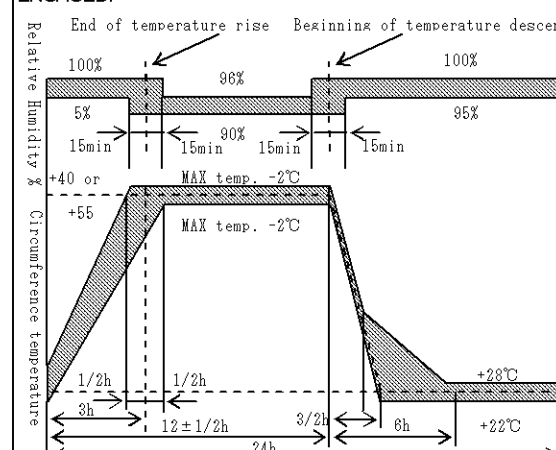


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| | | | | |
|----------------------------|-----------------------------|---------------------------------|---------------------------|----------------------------|
| APPLICABLE STANDARD | | SD Card Specifications Ver. 1.0 | | |
| RATING | OPERATING TEMPERATURE RANGE | -25 °C TO +85 °C (NOTE1) | STORAGE TEMPERATURE RANGE | -40 °C TO +85 °C |
| | VOLTAGE | AC 125V | OPERATING HUMIDITY RANGE | 95%MAX (NON-CONDENSING) |
| | CURRENT | 0.5A | | |

SPECIFICATIONS

| ITEM | TEST METHOD | REQUIREMENTS | QT | AT |
|--|---|--|----|----|
| CONSTRUCTION | | | | |
| GENERAL EXAMINATION | VISUALLY AND BY MEASURING INSTRUMENT. | ACCORDING TO DRAWING. | X | X |
| MARKING | CONFIRMED VISUALLY. | | X | X |
| ELECTRIC CHARACTERISTICS | | | | |
| CONTACT RESISTANCE MILLIVOLT LEVEL METHOD IEC60512-2-2a | OPEN VOLTAGE 20 mV AC MAX, TEST CURRENT 1mA. | INITIALLY 100 mΩ MAX (NOTE 2). | X | - |
| VOLTAGE PROOF IEC60512-2-4a | 500 Vrms AC IS APPLIED FOR 1 min. | ① NO FLASHOVER OR BREAKDOWN. ② CURRENT LEAKAGE 1mA MAX. | X | - |
| INSULATION RESISTANCE IEC60512-2-3a | MEASURE WITHIN 1 min AFTER APPLYING 500 V DC. | INITIALLY 1000 MΩ MIN. | X | - |
| MECHANICAL CHARACTERISTICS | | | | |
| CARD INSERTION FORCE | MEASURED BY APPLICABLE CORD AT 25mm/min. | THE INITIAL STAGE:10 N MAX. AFTER MECHANICAL OPERATION:10N MAX. | X | - |
| MECHANICAL OPERATION [OFFICE ENVIRONMENT] EIA364B class1.1 | 10000 TIMES INSERTIONS AND WITH DRAWAL SHALL BE MADE AT THE CYCLE RATE 400 TO 600 CYCLES/h. | ① CONTACT RESISTANCE: AFTER TEST 40 mΩ MAX CHANGE. (CONTACT RESISTANCE REVERSION BY INSERTION AND EXTRACTION IS AVAILABLE) ② NO MECHANICAL DAMAGE SHALL OCCUR ON THE PARTS. | X | - |
| VIBRATION AND HIGH FREQUENCY IEC60512-4-6d | FREQUENCY 10 TO 55 TO 10 Hz/min, SINGLE AMPLITUDE 0.75 mm FOR 2 h IN 3 DIRECTIONS. | ① NO ELECTRICAL DISCONTINUITY OF 100 ns. ② NO MECHANICAL DAMAGE SHALL OCCUR ON THE PARTS. | X | - |
| SHOCK IEC60512-4-6c | ACCELERATION 490m/s ² STANDARD HOLDING TIME 11 ms, SEMI-SINE WAVE FOR 3TIMES IN 3 DIRECTIONS. | | X | - |
| ENVIRONMENTAL CHARACTERISTICS | | | | |
| DAMP HEAT, CYCLIC IEC60512-6-11m | 10 CYCLES (1 CYCLE=24 HOURS)WITH CONNECTORS ENGAGED.  | ① CONTACT RESISTANCE: AFTER TEST 40 mΩ MAX CHANGE. ② INSULATION RESISTANCE: AFTER TEST 100 MΩ MIN. ③ NO MECHANICAL DAMAGE OR HEAVY CORROSION SHALL OCCUR ON THE PARTS. | X | - |

| COUNT | DESCRIPTION OF REVISIONS | DESIGNED | CHECKED | DATE |
|-------|--------------------------|----------|---------|------|
| △ | | | | |

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|--|----------|-------------|----------|
| REMARK NOTE 1:INCLUDE THE TEMPERATURE RISE BY CURRENT. NOTE 2:CONTACT RESISTANCE INCLUDES CONDUCTOR RESISTANCE.UNLESS OTHERWISE SPECIFIED, THE TEST SHOULD BE DONE UNDER TEMP. 15 TO 35°C, AIR PRESSURE 86 TO 106kPa, RELATIVE HUMIDITY 25 TO 85%. | APPROVED | KI.AKIYAMA | 05.07.20 |
| | CHECKED | SI.TOMIOKA | 05.07.19 |
| | DESIGNED | HT.SUGIMURA | 05.07.19 |
| | DRAWN | HM.SAITO | 05.07.15 |

| | | |
|--|-------------|-----------------------|
| Note QT:Qualification Test AT:Assurance Test X:Applicable Test | DRAWING NO. | ELC4-153736-02 |
|--|-------------|-----------------------|

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|------------|---------------------------|----------|------------------------------|
| HRS | SPECIFICATION SHEET | PART NO. | DM1AA-SF-PEJ(82) |
| | HIROSE ELECTRIC CO., LTD. | CODE NO. | CL609-0004-8-82 △ 1/2 |

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SPECIFICATIONS

| ITEM | TEST METHOD | REQUIREMENTS | QT | AT |
|---|--|--|----|----|
| RAPID CHANGE OF TEMPERATURE IEC60512-6-11d | 5 CYCLES (1 CYCLE=1 HOUR)WITH CONNECTORS ENGAGED. TEMPERATURE:-55 TO +85°C | ① CONTACT RESISTANCE: AFTER TEST 40 mΩ MAX CHANGE. ② INSULATION RESISTANCE: AFTER TEST 100 MΩ MIN. ③ NO MECHANICAL DAMAGE OR HEAVY CORROSION SHALL OCCUR ON THE PARTS. | X | - |
| DRY HEAT IEC60512-6-11i | EXPOSED AT 85 °C FOR 96 HOURS WITH CONNECTORS ENGAGED. | | X | - |
| COLD IEC60512-6-11j | EXPOSED AT -25 °C FOR 96 HOURS WITH CONNECTORS ENGAGED. | | X | - |
| DAMP HEAT, STEADY STATE IEC60512-6-11c | EXPOSED AT 40 °C,90 TO 95 % RH, 96 HOURS WITH CONNECTORS ENGAGED. | | X | - |
| HYDROGEN SULFIDE JEIDA 38 | EXPOSED IN 3 PPM HYDROGEN SULFIDE , APPROX. 80% RH,96 HOURS, WITH CONNECTORS ENGAGED. | | X | - |
| CORROSION SALT MIST (JIS C 5402 7.1) | EXPOSED IN 5 ± 1 % SALT WATER SPRAY , 35 ± 2°C,48 HOURS, WITH CONNECTORS ENGAGED. AFTER THE TEST,THE TEST SAMPLE SHALL BE RINSED WITH WATER AND DRIED AT THE AMBIENT TEMP. FOR 24 HOURS. | NO MECHANICAL DAMAGE OR HEAVY CORROSION SHALL OCCUR ON THE PARTS. | X | - |
| | | | | |

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|--|---------------------------|-------------|------------------|----------------|-----|
| Note QT:Qualification Test AT:Assurance Test X:Applicable Test | | DRAWING NO. | | ELC4-153736-02 | |
| HRS | SPECIFICATION SHEET | PART NO. | DM1AA-SF-PEJ(82) | | |
| | HIROSE ELECTRIC CO., LTD. | CODE NO | CL609-0004-8-82 | △ | 2/2 |