| APPLICA | BLE | STAND | ARD | | | | | | | |
|--|---|--------------------------|--|--|--------|----------------------|--|---------------------|----------|----------|
| OPERATING TEMPERATUR | | | ERANGE | -55 °C TO 125 °C (NO | TES 1) | STORAGE TEMPERATU | JRE RANGE | -10 °C TO 60 °C (NO | TES : | 2) |
| RATING | VOLTAGE | | | 50 V AC | | | | | | |
| | CU | IKKENI | | 0. 3 A | ICIOAT | | | | | |
| SPECIFICATIONS ITEM TEST METHOD REQUIREMENTS QT AT | | | | | | | | | | |
| | TEM | | TEST METHOD | | | | REQUIREMENTS | | | AT |
| CONSTR | | | VISUALLY AND BY MEASURING INSTRUMENT. | | | | ACCORDING TO DRAWING. | | | 1 1/ |
| GENERAL EXAMINATION MARKING | | | CONFIRMED VISUALLY. | | | ACCO | ACCORDING TO DRAWING. | | | X |
| | 10. | | | | | | | | X | X |
| | | | CTERISTICS 20 mV AC OR LESS 1 kHz, 1 mA. | | | | MAV | | X | 1 |
| INSULATION RESISTANCE | | | 100 V DC | | | | 50 mΩ MAX. 500 MΩ MAX | | | _ |
| VOLTAGE PROOF | | | 150 V AC FOR 1 min. | | | | NO FLASHOVER OR BREAKDOWN. | | | _ |
| | | | | | | NO FL | NO FLASHOVER OR BREAKDOWN. | | | _ |
| MECHANICAL CHARACTERISTICS MECHANICAL OPERATION 50 TIMES INSERTIONS AND WITHDRAWALS. 1 CONTACT RESISTANCE: 50 m | | | | | | | | | . X | |
| | | | | | | ② NO [| ① CONTACT RESISTANCE: 50 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS. | | | |
| VIBRATION | | | FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, AT 2 h, FOR 3 DIRECTIONS. | | | 0 | NO ELECTRICAL DISCONTINUITY OF 1 μs. 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 1 μs. X ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS. | | | _ |
| ENVIRONMENTAL CHARACTERISTICS | | | | | | | | | | |
| RAPID CHANGE OF | | | TEMPERATURE -65 →15 TO 35 →125 →15 TO 35 °C | | | | TACT RESIS | TANCE: 50 mΩ MAX. | Х | _ |
| TEMPERATURE | | | TIME $30 \rightarrow 2 \text{ TO } 3 \rightarrow 30 \rightarrow 2 \text{ TO } 3 \text{ min}$ UNDER 5 CYCLES. | | | _ | ② INSULATION RESISTANCE: 500 MΩ MIN. | | | |
| DAMP HEAT (STEADY STATE) | | | EXPOSED AT 40 ± 2 °C, 90 TO 95 %, 96 h. | | | | 3 NO DAMAGE, CRACK AND LOOSENESS OF PARTS. ① CONTACT RESISTANCE: 50 mΩ MAX. | | | <u> </u> |
| | | | | | | _ | ② INSULATION RESISTANCE: 500 MΩ MIN. | | | |
| SULPHUR DIOXIDE | | | EXPOSED IN 25 PPM RH 75 % FOR 96 h. | | | | ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS. ① CONTACT RESISTANCE: 50 mΩ MAX. | | | |
| | | | (TEST STANDARD:JEIDA-38) | | | _ | HEAVY CORR | | Х | |
| SOLDERING | | | 《SOLDERING AREA》 MAX250°C, 220°C FOR 60 SECONDS MAX. 《PREHEATING AREA》 150 TO 180°C 90∼120 SECONDS. MAXIMUM TWICE ACTION IS ALLOWED UNDER THE SAME CONDITION. 【RECOMMENDED MANUAL SOLDELING CONDITION 】 SOLDERING IRON TEMPERATURE 350°C SOLDERING TIME: WITHIN 3 SECONDS. | | | THE | NESS OF THI | E TERMINALS. | × | |
| REMARKS | | | | | | | | | | |
| NOTES1:INC NOTES2:STO APPLY OPE | ORAG RATIO | EIS DEFINE ON TEMPERA | D AS LONG ATURE RA | RE RISE BY CURRENT. G-TERM STORAGE OF UNUSEI NGE TO PRODUCTS MOUNTEI | | | VER SUPLLY. | | | |
| | LESS OTHERWISE SPECIFIED , REFER TO JIS C 5402 . COUNT DESCRIPTION OF REVISIONS DESIGN | | | | | | I | OUEOVED | | \ |
| COUI | NI | DE | 20KIP11(| ON OF REVISIONS DESIG | | ESIGNED | GNED CHECKED | | D.F | ATE |
| <u>~~</u> | | | | | | | APPROVE | D WR. FUKUCHI | 2020 | 00716 |
| | | | | | | | CHECKED | | 20200716 | |
| | | | | | | | DESIGNED | | 20200716 | |
| | | | | | | | DRAWN | RN. I IDA | | 00715 |
| Note QT:Qualification Test AT:Assurance Test X:Applicable Test | | | | | | DRAWIN | DRAWING NO. ELC-389250-5 | | I | |
| | SPECIFICATION SHEET PA | | | | | ART NO. | T NO. DF12NB (3. 0) -50DS-0. 5V (51) | | | |
| | | HIR | OSE ELECTRIC CO., LTD. | | | ODE NO. | CL53 | CL537-0189-0-51 | | 1/1 |