| APPLICAB | LE STANDA | RD | | | | TOTODAGE | | | 1000 70 0000 (11) | | | |
|---|-----------------------------|--|---|------------------|-------------|--|--|-------------------|-----------------------------------|---------|-----------|--|
| | OPERATING TEMPERATURE RANGE | | -35°C TO +85°C(NOTE 1) | | | STORAGE TEMPERATURE RAN | | -10°C TO +60°C(NO | | | | |
| | OPERATING HUMIDITY RAN | IGE | 20% TO 80%(NOTE 2) 100V AC/DC | | | STORAGE HUMIDITY RANGE APPLICABLE CONNECTOR | | | 40% TO 70%(NOTE 2)(| | E 3) | |
| | VOLTAGE | | | | | | | | DF81※-50P-0.4SD(##) | | | |
| Δ | CURRENT | | AWG#34,36: 0.3(MAX0.8A) AWG#40: 0.25A AWG#42: 0.2A AWG#44: 0.15A AWG#46: 0.1A | | | | | | | | | |
| | | | | SPEC | IFICAT | IONS | | | | | | |
| | EM | | | TEST METHOD | | | RI | EQL | JIREMENTS | QT | | |
| GENERAL EX | | IVISUALLY | AND BY M | EASURING INSTRU | JMENT | TACCO | RDING TO D | RAV | VING | X | Τ | |
| MARKING | | CONFIRME | | | | | .5 | , | | X | + | |
| ELECTRIC | CHARACT | ERISTIC: | S | | | <u> </u> | | | | | | |
| CONTACT RE | SISTANCE | 100m A (E | OC OR 1000 | 0 Hz). | | I | ACT:80mΩ M | | | Х | T | |
| INSULATION RESISTANCE | | 100V DC. | | | | | SHIELDING:80mΩ MAX. | | | | + | |
| | | | | | | | 50MΩ MIN. | | | | | |
| VOLTAGE PR | OOF | 250V AC I | FOR 1 min. | | | NO FL | ASHOVER O | RB | REAKDOWN. | Х | | |
| | CAL CHAR | | | | | | | | | | | |
| MECHANICAL OPERATION | | 30TIMES INSERTIONS AND EXTRACTIONS. | | | | NC INI SHI NC INI ② NO | CONTACT RESISTANCE: NO VARIATION OF 50 mΩ OR MORE FROM INITIAL VALUE. SHIELDING RESISTANCE: NO VARIATION OF 50 mΩ OR MORE FROM INITIAL VALUE. NO DAMAGE, CRACK OR LOOSENESS OF | | | | | |
| VIBRATION | | FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE | | | | | RTS. ELECTRICA | ם ו | ISCONTINUITY OF 1 μs. | X | + | |
| SHOCK | | | | ONS ×10 CYCLE. | | | | | CK OR LOOSENESS OF | ^ | | |
| | | 490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 | | | | | PARTS. | | | | T | |
| | MENTAL C | DIRECTION | | <u> </u> | | | | | | | | |
| RAPID CHANG | MENTAL CI | | | | | <u> </u> | VITACT DESI | ST/ | NCE. | Тх | _ | |
| TEMPERATURE | | TEMPERATURE -55 \rightarrow +85 °C TIME 30 \rightarrow 30 min UNDER 5 CYCLES. (THE TRANSFERRING TIME OF THE CHAMBER IS 2-3 MINUTE.) | | | | THE NO | ① CONTACT RESISTANCE: NO VARIATION OF 50 mΩ OR MORE FROM INITIAL VALUE. SHIELDING RESISTANCE: | | | | | |
| DAMP HEAT (STEADY STATE) | | EXPOSED AT 40 ± 2 °C, 90 TO 95 %, 96 h. | | | | NO INI ② INS ③ NO | NO VARIATION OF 50 mΩ OR MORE FROM INITIAL VALUE. ② INSULATION RESISTANCE: 25 MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | | | | | |
| SULFUR DIOXIDE GAS | | EXPOSED IN 25±5PPM, 25±2°C, 75%RH, 96h. | | | | | NO DEFECT SUCH AS CORROSION WHICH IMPAIRS THE FUNCTION OF CONNECTOR. | | | | 1 | |
| RESISTANCE TO | | ①REFLOW TEMPERATURE: | | | | | NO DEFORMATION OF CASE OF EXCESSIVE | | | | \dagger | |
| SOLDERING HEAT | | PEAK 250°C MAX 240°C MIN :20 sec MAX 220°C MIN :60 sec MAX ②MANUAL SOLDERING TEMPERATURE: 350°C, 3sec MAX. | | | | | LOOSENESS OF THE TERMINALS. | | | | | |
| SOLDERABILITY | | 245°C F | SOLDERED AT SOLDER TEMPERATURE, 245°C FOR INSERTION DURATION, 5 sec. (Sn-3.0Ag-0.5Cu) | | | | SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSED. | | | | | |
| COUN | г | DESCRIPTION | ON OF REV | /ISIONS | | DESIGNED | | | CHECKED | D | ATI | |
| A 2 | | DIS | | S-D-003000 AH. M | | | /AZAK1 | | MH. TSUCHIDA 13. | | 08. | |
| REMARKS NOTE1: INCLUD NOTE2: NON CO | | TURE RISING | ING BY CURRENT | | | | APPROVE | ED | TS. SAKATA | 12. 09. | | |
| NOTE3: THE TERM "STORAGE" REFERS TO AND USE. THE OPERATING TEMPI CONDITION OF CONNECTORS AF | | | D PRODUCTS STORED FOR A LONG PERIOD PRIOR TO MO ERATURE AND HUMIDITY RANGE COVERS THE NON-COND TER BOARD MOUNTING AND THE TEMPORARY STORAGE | | | | DUCTING CHECKED | | HS. OZAWA | | 12. 09. : | |
| NOTE4:IT COUL "MAX" IS | RATING CURRE | PORTATION, etc PENDING ON THE CONDITIONS. T AS ONLY TWO OF THEM TURN ON ELECTRICITY. CONNECTOR BODY ONLY, AND THAT OF CABLE IS NOT INCLUDED | | | | UDED | DESIGNED | | AH. MIYAZAKI | | 12. 09. | |
| Unless otherwise specified, refer to JIS C | | | | | | | DRAWN | | AH. MIYAZAKI | | 09. | |
| | lification Tool | ΛT: Λecurone | ice Test X:Applicable Test | | | | DRAWING NO. | | ELC4-340455-01 | | | |
| Note QT:Qua | Timeation rest | AT.ASSUIAIIC | Ze Test A.A | pplicable rest | | DRAWII | NG NO. | | | • | | |
| Note QT:Qua | | | | N SHEET | ſ | PART NO. | | | DF81-50S-0. 4H(51) 2-8102-0-51 | | _ | |