| APPLICA | BLE STAN | DARD | | | | | | | | |
|---|-----------------------------|---|--|-------|------------------------------|---|----------------------------|-----------------------------|-----------------|--|
| OPERATING TEMPERATUR | | | -45 °C TO +125 °C (NOTES 1 | | STORAGE TEMPERATURE RANGE | | | -10 °C TO + 60 °C (NOTES 2) | | |
| RATING | VOLTAGE | | 50 V AC | | | | DF | DF12#(3.0) -*DS-0.5V(81) | | |
| | CURRENT | | 0.3 A | | APPLICABLE CONNECTOR | | ₹ | DF12#(3. 0) -*DS-0. 5V(86) | | |
| SPECIFICATIONS | | | | | | | | | | |
| | EM | TEST METHOD | | T | REC | UIREMEI | NTQ | QT | AT | |
| CONSTRUCTION | | | TEST WILLIAMS | | | · · · · · · · · · · · · · · · · · · · | | | | <u> ^ · </u> |
| GENERAL EX | | TVISUALLY | AND BY MEASURING INSTRUM | IENT. | ACCOR | DING TO DRAV | NING. | | ΤX | Х |
| MARKING | | | CONFIRMED VISUALLY. | | | | | | X | X |
| ELECTRIC CHARAC | | | • | | | | | | | |
| CONTACT RESISTANCE | | 100 m A | 100 m A (DC OR 1000 Hz). | | | 50 mΩ MAX. | | | | - |
| INSULATION RESISTANCE | | 100 V DO | 100 V DC | | | 500 ΜΩΜΑΧ | | | | T — |
| VOLTAGE PROOF | | 150 V AC | 150 V AC FOR 1 min. | | | NO FLASHOVER OR BREAKDOWN. | | | | - |
| MECHANICAL CHARACTERISTICS | | | | | | | | | | <u> </u> |
| INSERTION AND WITHDRAWAL FORCES | | MEASUR | MEASURED BY APPLICABLE CONNECTOR. | | | SIGNAL | | | | |
| MECHANICAL OPERATION | | | 50 TIMES INSERTIONS AND EXTRACTIONS. | | | CONTACT RESISTANCE: 50 mΩ MAX. NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | | | | _ |
| VIBRATION | VIBRATION | | FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, AT 2 h, FOR 3 DIRECTIONS. | | | NO ELECTRICAL DISCONTINUITY OF 1 μs. NO DAMAGE, CRACK OR 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. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | | | | _ |
| ENVIRON | MENTAL (| | TERISTICS | | | | | | | |
| RAPID CHANGE OF TEMPERATURE | | TIME | TEMPERATURE -65 \rightarrow 15 TO 35 \rightarrow 125 \rightarrow 15 TO 35 $^{\circ}$ C TIME 30 \rightarrow 10 TO 15 \rightarrow 30 \rightarrow 10 TO 15 min UNDER 5 CYCLES. | | | ① CONTACT RESISTANCE: 50 mΩ MAX. ② INSULATION RESISTANCE: 500 MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | | | | _ |
| DAMP HEAT (STEADY STATE) | | EXPOSE | EXPOSED AT 40 ± 2 °C, 90 TO 95 %, 96 h. | | | CONTACT RESISTANCE: 50 mΩ MAX. INSULATION RESISTANCE: 500 MΩ MIN. NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | | | | - |
| CORROSION SALT MIST | | EXPOSE | EXPOSED IN 5% SALT WATER SPRAY FOR 48 h. | | | ① CONTACT RESISTANCE: 50 mΩ MAX. ② NO HEAVY CORROSION. | | | | _ |
| SULPHUR DIOXIDE | | | EXPOSED IN 10 PPM FOR 96 h. (TEST STANDARD:JEIDA-39) | | | ① CONTACT RESISTANCE: 50 mΩ MAX. ② NO HEAVY CORROSION. | | | | _ |
| HEAT RESISTANCE OF SOLDERING | | «SOLDE MAX25 «PREHE. 150 TO MAXIM SAME [RECOM SOLDE | [RECOMMENDED TEMPERATURE PROFILE] «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. | | | NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS. | | | | |
| NOTE2:STOR APPLY | AGEIS DEFINE Y OPERATION | ED AS LONG TEMPERATI | E RISE BY CURRENT. -TERM STORAGE OF UNUSED F URE RANGE TO PRODUCTS MO ER TO JIS C 5402. | | | JT POWER : | SUPLLY. | | | |
| COUN | Т | ESCRIPTI | SCRIPTION OF REVISIONS DESI | | ESIGNED | GNED | | HECKED | DA | ΤE |
| Δ | | | | | | | _ | | | |
| | | | | | | APPROV | ED | MO.NAKAMURA | 06.0 | 1.30 |
| | | | | | | CHECKED DESIGNED DRAWN | | TS.MIYAZAKI | 06.0 | 1.30 |
| | | | | | | | | YH.MICHIDA | 06.0 | 1.30 |
| | | | | | | | | HK.MURAKAMI | 06.0 | 1.27 |
| Note QT:Qualification Test AT:Assurance Test X:Applicable Test DI | | | | | DRAWII | RAWING NO. ELC4-1603 | | | 94-09 | |
| HS | S | PECIFI | PECIFICATION SHEET | | | DF | DF12E(3. 0) -*DP-0. 5V(81) | | | |
| 117 | HIF | OSE E | LECTRIC CO., LTD. | c | ODE NO. | | CL5 | 37 | $ \triangle $ | 1/1 |