| APPLICA | BLE STANI | DARD | | | | | | | | | |
|--|-------------------|--|------------------------------|--------|--------------------------|--|---------------------|-------|------------------------|--------------------------|-----|
| OPERATING | | E DANCE | -55 °C TO 85 | °C | | RAGE | | 25 | -10 °C TO 60 ° | ·C | |
| RATING | TEMPERATURE RANGE | | | | OPE | RATING | JRE RANG HUMIDIT | | | | |
| | VOLTAGE | | 100 V AC | | | RANGE STORAGE HU | | | 40 % TO 80 % | | |
| | CURRENT | | 0.4 A RANG | | | | | | | | |
| | | | SPEC | | NOIT | S | | | | • | |
| ITI | EM | TEST METHOD | | | | REQUIREMENTS | | | | QT | AT |
| CONSTRU | | | | | | | | | | • | |
| | | VISUALLY AND BY MEASURING INSTRUMENT. | | | | ACCO | RDING 1 | ro dr | AWING. | × | × |
| MARKING | | | RMED VISUALLY. | | | | | | | × | × |
| ELECTRIC CHARACT CONTACT RESISTANCE | | | | | | 80 mΩ MAX. ⁽¹⁾ | | | | × | 1 |
| CONTACT RESISTANCE | | 20 mV MAX, 1 mA(DC OR 1000Hz) | | | | 100 mΩ MAX. (1) | | | | × | |
| MILLIVOLT LEVEL METHOD | | | | | | 100 III SE IVIAX. | | | | | |
| INSULATION RESISTANCE | | 250 V DC | | | | 100 MΩ MIN. | | | | × | |
| VOLTAGE PROOF | | | | | | NO FLASHOVER OR BREAKDOWN. × | | | | | |
| | CAL CHAR | | | | | | | | | | |
| INSERTION AND WITHDRAWAL FORCE | | | | | | INSERTION FORCE: 70.0 N MAX. WITHDRAWAL FORCE: 6.5 N MIN. | | | | × | |
| MECHANICAL OPERATION | | 50 TIMES INSERTIONS AND EXTRACTIONS. | | | | CONTACT RESISTANCE:100 mΩ MAX. (2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS. | | | | × | |
| VIBRATION | | FREQUENCY 10 TO 55 Hz, AMPLITUDE : 1.5 mm, | | | | ① NO ELECTRICAL DISCONTINUITY OF 1 μs. | | | | × | |
| SHOCK | | 2 hrs IN 3 DIRECTIONS. 490 m/s², DURATION OF PULSE 11 ms FOR 3 TIMES IN 3 DIRECTIONS. | | | | CONTACT RESISTANCE:100 mΩ MAX. (2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS. | | | | × | |
| FNVIRONI | MENTAL CI | | TERISTICS | | | OI. | TAKTO. | | | | 1 |
| DAMP HEAT | | | DAT 40±2°C, 90 ~ 9 | 5 %, 9 | 6 hrs. | ① CO | NTACT | RESIS | STANCE:100 mΩ MAX. (2) | × | |
| (STEADY STATE) | | , , , | | | | ② INSULATION RESISTANCE:100 M Ω MIN. | | | | | |
| RAPID CHANGE OF TEMPERATURE | | TEMPERATURE-55 \rightarrow +15 \sim +35 \rightarrow +85 \rightarrow +15 \sim +35 $^{\circ}$ C TIME 30 \rightarrow 2 \sim 3 \rightarrow 30 \rightarrow 2 \sim 3 min 5 CYCLES. | | | | ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS. | | | | × | |
| CORROSION SALT MIST | | EXPOSED IN 5 % SALT WATER SPRAY FOR 48 hrs. | | | | CONTACT RESISTANCE:100 mΩ MAX. (2) NO DEFECT SUCH AS CORROSION | | | | × | |
| HYDROGEN SULPHIDE | | EXPOSED IN 3 PPM FOR 96 hrs. (TEST STANDARD: JEIDA 38) | | | | WHICH IMPAIRS THE FUNCTION OF CONNECTOR. | | | | × | |
| RESISTANCE TO | | , | | | | NO DEFORMATION OF CASE OF | | | | × | |
| SOLDERING HEAT | | <u> </u> | | | | EXCESSIVE LOOSENESS OF THE | | | | | |
| | | FOR 60 s 2) SOLDERING IRONS : 360 °C. | | | | TERMINALS. | | | | | |
| | | Z) SULDI | ERING IRONS : 360 °C, FOR | 5 s | | | | | | × | |
| SOLDERABILITY | | SOLDERED AT SOLDER TEMPERATURE, 240°C, | | | | A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF | | | | × | |
| | | FOR IMMERSION DURATION, 3 sec. | | | | THE SURFACE BEING IMMERSED. | | | | | |
| | | | | | | | | | | | |
| | ı | | | T | | | | | , | | |
| COUN | I DE | :SCRIPTIO | CRIPTION OF REVISIONS DES | | DESIG | JNED | | | CHECKED | | TE |
| REMARK (1) THIS CONNECTOR'S INITIAL CONTACT RESISTANCE SHALL BE 80 mΩ, | | | | | | APPROVED NH. NAKATA | | | | 18. 02. 28 | |
| (2 | | | | | | CHECKED DESIGNED | | KED | HT. YAMAGUCHI | 18. 02. 28 18. 02. 28 | |
| , | SHALL BE 20 i | | | | | | | NED | TY. EDAGAWA | | |
| Unless otherwise specified, re | | | , refer to JIS C 5402. | | | DRAWN | | ۷N | MK. INOUE | 18. 02. 2 | |
| Note QT:Qualification Test AT:Assurance Test X:Applicable Test DF | | | | | RAWING NO. ELC-150883-68 | | | 3-00 |) | | |
| HS. | SF | SPECIFICATION SHEET PAR | | | PART | NO. FX8C-100S-SV (68) | | | | | |
| | HIR | OSE EL | ECTRIC CO., LTD. | | CODE | NO | Cl | 578 | 3-0805-3-68 | 6 \ | 1/1 |