

| COUNT | DESCRIPTION OF REVISIONS | BY | CHKD | DATE | COUNT | DESCRIPTION OF REVISIONS | BY | CHKD | DATE |
|--|--|-------------------------------|------|--|---------------------------|--|-------------------------|-----------------------|------|
| 1 | RE-F-06478 | J.M | 20 | 99.7.29 | | | | | |
| APPLICATION STANDARD | | | | | | | | | |
| RATING | OPERATING TEMPERATURE RANGE | -55 °C TO 85 °C | | | STORAGE TEMPERATURE RANGE | | -10 °C TO 60 °C | | |
| | VOLTAGE | AC 50 V | | | OPERATING HUMIDITY RANGE | RELATIVE HUMIDITY: 95 % MAX (NO DEW CONDENSATION IS PERMITTED) | | | |
| | CURRENT | 0.3 A | | | | | | | |
| SPECIFICATIONS | | | | | | | | | |
| ITEM | TEST METHOD | | | REQUIREMENT | | | QT | AT | |
| CONSTRUCTION | | | | | | | | | |
| GENERAL EXAMINATION | VISUALLY AND BY MEASURING INSTRUMENT | | | ACCORDING TO DRAWING | | | <input type="radio"/> | <input type="radio"/> | |
| MARKING | CONFIRMED VISUALLY. | | | | | | <input type="radio"/> | <input type="radio"/> | |
| ELECTRICAL CHARACTERISTICS | | | | | | | | | |
| CONTACT RESISTANCE | 100 mA (DC OR 1000 Hz). | | | 60 mΩ MAX. | | | <input type="radio"/> | <input type="radio"/> | |
| INSULATION RESISTANCE | 100 V DC. | | | 100 MΩ MIN. | | | <input type="radio"/> | <input type="radio"/> | |
| VOLTAGE PROOF | 150 V AC FOR 1 min. | | | NO FLASHOVER OR BREAKDOWN. | | | <input type="radio"/> | <input type="radio"/> | |
| MECHANICAL CHARACTERISTICS | | | | | | | | | |
| INSERTION AND WITHDRAWAL FORCES | MEASURED BY APPLICABLE CONNECTOR. | | | INSERTION FORCE: 69.6 N MAX. WITHDRAWAL FORCE: 2.9 N MIN. | | | <input type="radio"/> | <input type="radio"/> | |
| MECHANICAL OPERATION | 50 TIMES INSERTION AND EXTRACTIONS. | | | 1) CONTACT RESISTANCE: 70 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PART. | | | <input type="radio"/> | <input type="radio"/> | |
| VIBRATION | FREQUENCY: 10 TO 55 Hz, SINGLE AMPLITUDE: 0.75 mm, 5 m/s ² AT 10 CYCLES FOR 3 DIRECTIONS. | | | 1) NO ELECTRICAL DISCONTINUITY OF 1 μs MIN. 2) NO DAMAGE, CRACK AND LOOSENESS OF PART | | | <input type="radio"/> | <input type="radio"/> | |
| SHOCK | 490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS. | | | | | | <input type="radio"/> | <input type="radio"/> | |
| ENVIRONMENTAL CHARACTERISTICS | | | | | | | | | |
| DAMP HEAT (STEADY STATE) | EXPOSED AT 40±2 °C, 90~95 %, 96 h. | | | 1) CONTACT RESISTANCE: 70 mΩ MAX. 2) INSULATION RESISTANCE: 100 MΩ MIN. | | | <input type="radio"/> | <input type="radio"/> | |
| RAPID CHANGE OF TEMPERATURE | TEMPERATURE -55→15→35→85→15→35°C TIME 30→2→3→30→2→3 min. UNDER 5 CYCLES. | | | 3) NO DAMAGE, CRACK AND LOOSENESS OF PART. | | | <input type="radio"/> | <input type="radio"/> | |
| DRY HEAT | EXPOSED AT 85 °C, 96 h. | | | 1) CONTACT RESISTANCE: 70 mΩ MAX. | | | <input type="radio"/> | <input type="radio"/> | |
| COLD | EXPOSED AT -55 °C, 96 h. | | | 2) NO DAMAGE, CRACK AND LOOSENESS OF PART | | | <input type="radio"/> | <input type="radio"/> | |
| CORROSION SALT MIST | EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h. | | | NO HEAVY CORROSION. | | | <input type="radio"/> | <input type="radio"/> | |
| SULPHUR DIOXIDE | EXPOSED IN 10 PPM FOR 96 h. (TEST STANDARD: JIS C 0090) | | | 1) CONTACT RESISTANCE: 70 mΩ MAX. 2) NO HEAVY CORROSION. | | | <input type="radio"/> | <input type="radio"/> | |
| RESISTANCE TO SOLDERING HEAT | REFLOW RECOMMENDED TEMPERATURE PROFILE TO BE TESTED UNDER THE ABOVE CONDITIONS. | | | NO MELTING OF RESIN WHICH AFFECTS THE PERFORMANCE OF COMPONENT. | | | <input type="radio"/> | <input type="radio"/> | |
| SOLDRABILITY | SOLDERED AT SOLDER TEMPERATURE, 235 °C FOR IMMERSION DURATION, 2 s. | | | NO PINHOLE OR DEWETTING ON SOLDERED SURFACE. | | | <input type="radio"/> | <input type="radio"/> | |
| REMARKS | | | | DRAWN | DESIGNED | CHECKED | APPROVED | RELEASED | |
| | | | | S.Kitajima 99.05.25 | J. Matsukawa 99.05.25 | M.Ishida 99.05.26 | Y.Yoshimura 99.05.27 | | |
| NOTE QT: QUALIFICATION TEST AT: ASSURANCE TEST <input type="radio"/> APPLICABLE TEST | | | | | | | | | |
| HS HIROSE ELECTRIC CO., LTD. | | SPECIFICATION SHEET | | | | PART NO. FX11LA - 116S - SV | | | |
| CODE NO.(OLD) CL | | DRAWING NO. ELC4 - 152118- | | CODE NO. | | CL 573 - 0144 - 1 | | 1 | |