| | COUNT | DESCRIPTION OF REVISIONS | BY | CHKD | DATE | | COUNT | DESCRIPTION OF REVISIONS | BY | CHKD | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
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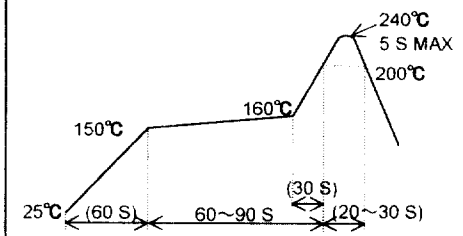
| APPLICATION STANDARD | | | | |
|---|---|---|---|---|
| RATING | OPERATING TEMPERATURE RANGE | -55 ℃ TO 85 ℃ | STORAGE TEMPERATURE RANGE | -10 ℃ TO 60 ℃ |
| | VOLTAGE | AC 50 V | OPERATING HUMIDITY RANGE | RELATIVE HUMIDITY : 95 % MAX (NO DEW CONDENSATION IS PERMITTED) |
| | CURRENT | 0.3 A | | |

## SPECIFICATIONS

| ITEM | TEST METHOD | REQUIREMENT | QT | AT |
|---|---|---|---|---|
| **CONSTRUCTION** | | | | |
| GENERAL EXAMINATION | VISUALLY AND BY MEASURING INSTRUMENT. | ACCORDING TO DRAWING | X | X |
| MARKING | CONFIRMED VISUALLY. | | X | X |
| **ELECTRICAL CHARACTERISTICS** | | | | |
| CONTACT RESISTANCE | 100 mA (DC OR 1000 Hz). | 60 mΩ MAX. | X | X |
| INSULATION RESISTANCE | 100 V DC. | 100 MΩ MIN. | X | — |
| VOLTAGE PROOF | 150 V AC FOR 1 min. | NO FLASHOVER OR BREAKDOWN. | X | X |
| **MECHANICAL CHARACTERISTICS** | | | | |
| INSERTION AND WITHDRAWAL FORCES | MEASURED BY APPLICABLE CONNECTOR. | INSERTION FORCE: 69.6 N MAX<br>WITHDRAWAL FORCE: 2.9 N MIN. | X | — |
| MECHANICAL OPERATION | 50 TIMES INSERTION AND EXTRACTIONS. | 1)CONTACT RESISTANCE: 70 mΩ MAX.<br>2) NO DAMAGE, CRACK AND LOOSENESS OF PART. | X | — |
| VIBRATION | FREQUENCY: 10 TO 55 Hz, SINGLE AMPLITUDE: 0.75 mm, — $m/s^2$ AT 10 CYCLES FOR 3 DIRECTIONS. | 1)NO ELECTRICAL DISCONTINUITY OF 1 μs MIN.<br>2)NO DAMAGE, CRACK AND LOOSENESS OF PART. | X | — |
| SHOCK | 490 $m/s^2$ DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS. | | X | — |
| **ENVIRONMENTAL CHARACTERISTICS** | | | | |
| DAMP HEAT (STEADY STATE) | EXPOSED AT 40±2 ℃, 90~95 %, 96 h. | 1)CONTACT RESISTANCE: 70 mΩ MAX.<br>2)INSULATION RESISTANCE: 100 MΩ MIN.<br>3)NO DAMAGE, CRACK AND LOOSENESS OF PART. | X | — |
| RAPID CHAGE OF TEMPERTURE | TEMPERTURE -55→15~35→ 85→15~35℃<br>TIME 30→ 2~ 3→ 30→ 2~ 3 min.<br>UNDER 5 CYCLES. | | X | — |
| DRY HEAT | EXPOSED AT 85 ℃, 96 h. | 1)CONTACT RESISTANCE: 70 mΩ MAX.<br>2)NO DAMAGE, CRACK AND LOOSENESS OF PART. | X | — |
| COLD | EXPOSED AT -55 ℃, 96 h. | | | |
| CORROSION SALT MIST | EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h. | NO HEAVY CORROSION. | X | — |
| SULPHUR DIOXIDE | EXPOSED IN 10 PPM FOR 96 h.<br>(TEST STANDARD:JIS C 0090) | 1)CONTACT RESISTANCE: 70 mΩ MAX.<br>2)NO HEAVY CORROSION. | X | — |
| RESISTANCE TO SOLDERING HEAT | REFLOW :RECOMMENDED TEMPERATURE PROFILE<br>  <br><br>TO BE TESTED UNDER THE ABOVE CONDITIONS. | NO MELTING OF RESIN WHICH AFFECTS THE PERFORMANCE OF COMPONENT. | X | — |
| SOLDRABILITY | SOLDERED AT SOLDER TEMPERATURE, 235 ℃ FOR IMMERSION DURATION, 2 s. | NO PINHOLE OR DEWETTING ON SOLDERED SURFACE. | X | — |

| REMARKS | DRAWN | DESIGNED | CHECKED | APPROVED | RELEASED |
|---|---|---|---|---|---|
| UNLESS OTERWISE SPECIFIED ,REFER TO JIS C 5402. | 99.10.27 | 99.10.27 | 99.10.28 | 99.10.28 | |

NOTE QT: QUALIFICATION TEST AT: ASSURANCE TEST X: APPLICABLE TEST

| HIROSE ELECTRIC CO.,LTD. | SPECIFICATION SHEET | PART NO. FX11LA - 116P - SV (22) |
|---|---|---|

| CODE NO.(OLD) | DRAWING NO. | CODE NO. | |
|---|---|---|---|
| CL | ELC4 - 152102 - 02 | CL 573 - 0044 -7 -22 | 1/1 |

FORM NO. 231-1

| TO |
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| PCK |
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