| | 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 | — ℃ TO — ℃ |
| | VOLTAGE | 100 V AC | OPERATING HUMIDITY RANGE | — % TO — % |
| | CURRENT | 0.4 A | APPLICABLE CABLE | —— |

## SPECIFICATIONS

| ITEM | TEST METHOD | REQUIREMENT | QT | AT |
|---|---|---|---|---|
| **CONSTRUCTION** | | | | |
| GENERAL EXAMINATION | VISUALLY AND BY MEASURING INSTRUMENT. | ACCORDING TO DRAWING | ○ | ○ |
| MARKING | CONFIRMED VISUALLY | | ○ | – |
| **ELECTRICAL CHARACTERISTICS** | | | | |
| CONTACT RESISTANCE | 100 mA (DC OR 1000 Hz) | 45 mΩ MAX. | ○ | – |
| CONTACT RESISTANCE MILLIVOLT LEVEL METHOD | 20 mV MAX, 1 mA (DC OR 1000 Hz) | 55 mΩ MAX. | ○ | – |
| INSULATION RESISTANCE | 250 V DC | 100 MΩ MIN. | ○ | – |
| VOLTAGE PROOF | 300 V AC FOR 1 min. | NO FLASHOVER OR BREAKDOWN | ○ | – |
| **MECHANICAL CHARACTERISTICS** | | | | |
| CONTACT INSERTION AND EXTRACTION FORCES | BY STEEL GAUGE. | INSERTION FORCE: N MAX.<br>EXTRACTION FORCE: N MIN. | – | – |
| INSERTION AND WITHDRAWAL FORCES | MEASURED BY APPLICABLE CONNECTOR. | INSERTION FORCE: (0.7×※※) N MAX.<br>WITHDRAWAL FORCE: (0.065×※※) N MIN. | ○ | – |
| MECHANICAL OPERATION | 50 TIMES INSERTION AND EXTRACTIONS. | 1) CONTACT RESISTANCE: 55 mΩ MAX.<br>2) NO DAMAGE, CRACK AND LOOSENESS OF PART. | ○ | – |
| VIBRATION | FREQUENCY: 10 TO 55 Hz,<br>SINGLE AMPLITUDE: 0.75 mm, - m/s²<br>AT 2 h FOR 3 DIRECTIONS. | 1) NO ELECTRICAL DISCONTINUITY OF 1 μs<br>2) CONTACT RESISTANCE: 55 mΩ MAX.<br>3) NO DAMAGE, CRACK AND LOOSENESS OF PART. | ○ | – |
| SHOCK | 490 m/s² DURATION OF PULSE 11 ms<br>AT 3 TIMES FOR 3 DIRECTIONS. | | ○ | – |
| **ENVIRONMENTAL CHARACTERISTICS** | | | | |
| DAMP HEAT (STEADY STATE) | EXPOSED AT 40±2 ℃, 90～95 %, 96 h. | 1) CONTACT RESISTANCE: 55 mΩ MAX.<br>2)INSULATION RESISTANCE: 100 MΩ MIN.<br>3) NO DAMAGE, CRACK AND LOOSENESS OF PART. | ○ | – |
| RAPID CHAGE OF TEMPERTURE | TEMPERTURE -55→+5～+35→+85→+5～+35℃<br>TIME 30→10～15→30→10～15 min.<br>UNDER 5 CYCLES. | | | |
| DAMP HEAT,CYCLIC | EXPOSED AT TO ℃, TO %,TOTAL CYCLES( h). | 1) CONTACT RESISTANCE: mΩ MAX.<br>2)INSULATION RESISTANCE: MΩ MIN.(AT HIGH HUMIDITY)<br>3)INSULATION RESISTANCE: MΩ MIN.(AT DRY)<br>4) NO DAMAGE, CRACK AND LOOSENESS OF PART. | – | – |
| DRY HEAT | EXPOSED AT ℃, h. | 1) CONTACT RESISTANCE: mΩ MAX.<br>2) NO DAMAGE, CRACK AND LOOSENESS OF PART. | – | – |
| CORROSION SALT MIST | EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h. | 1) CONTACT RESISTANCE: 55 mΩ MAX.<br>2) NO HEAVY CORROSION. | ○ | – |
| HYDROGEN SULPHIDE | EXPOSED IN 3 PPM FOR 96 h.<br>(TEST STANDARD:JEIDA-38) | | ○ | – |
| SULPHUR DIOXIDE | EXPOSED IN PPM FOR h.<br>(TEST STANDARD:JEIDA-39) | | – | – |
| RESISTANCE TO SOLDERING HEAT | SOLDER TEMPERATURE, ℃ FOR IMMERSION,DURATION, s. | NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINAL. | – | – |
| SOLDRABILITY | SOLDERED AT SOLDER TEMPERATURE, ℃ FOR IMMERSION DURATION, s. | A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSED. | – | – |

| REMARKS | DRAWN | DESIGNED | CHECKED | APPROVED | RELEASED |
|---|---|---|---|---|---|
| UNLESS OTHERWISE SPECIFIED, REFER TO JIS C 5402. | S.Morita '95.10.3 | J.Matsukawa '95,10,2 | M.Tomita '95.11.1 | Z.Tachibana '95.11.1 | |

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

| HIROSE ELECTRIC CO.,LTD. | SPECIFICATION SHEET | PART NO. FX8-※※S-SV(22) |
|---|---|---|
| CODE NO.(OLD) CL | DRAWING NO. SLC4-150730-02 | CODE NO. CL 578 - - |

1/1

FORM NO. 231-1

| TO |
|---|
| PCM |
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