

| COUNT | DESCRIPTION OF REVISIONS | BY | CHKD | DATE | COUNT | DESCRIPTION OF REVISIONS | BY | CHKD | DATE |
|-------|--------------------------|-----|------|----------|-------|--------------------------|----|------|------|
| △ 2 | RE-F-09653 | K.N | H.Y | 04.04.06 | △ | | | | |
| △ 1 | RE-F-10251 | K.D | H.O | 05.02.02 | △ | | | | |

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|---------------------|-----------------------------|-----------------|---------------------------|
| APPLICABLE STANDARD | | | |
| RATING | OPERATING TEMPERATURE RANGE | -55 °C TO 85 °C | STORAGE TEMPERATURE RANGE |
| | VOLTAGE | 100 V AC | OPERATING HUMIDITY RANGE |
| | CURRENT | 0.4 A | STORAGE HUMIDITY RANGE |
| | | -10 °C TO 60 °C | 40 % TO 80 % |
| | | | 40 % TO 70 % |

| SPECIFICATIONS | | | | |
|---|---|--|--------------------------------|-------------------------------------|
| ITEM | TEST METHOD | REQUIREMENTS | QT | AT |
| CONSTRUCTION | | | | |
| GENERAL EXAMINATION | VISUALLY AND BY MEASURING INSTRUMENT. | ACCORDING TO DRAWING. | × | × |
| MARKING | CONFIRMED VISUALLY. | | × | × |
| ELECTRIC CHARACTERISTICS | | | | |
| CONTACT RESISTANCE | 100 mA (DC OR 1000 Hz). | 80 mΩ MAX. ⁽¹⁾ | × | |
| CONTACT RESISTANCE MILLIVOLT LEVEL METHOD | 20 mV MAX, 1 mA(DC OR 1000Hz) | 100 mΩ MAX. ⁽²⁾ | × | |
| INSULATION RESISTANCE | 250 V DC. | 100 MΩ MIN. | × | |
| VOLTAGE PROOF | 300 V AC FOR 1 min. | NO FLASHOVER OR BREAKDOWN. | × | |
| MECHANICAL CHARACTERISTICS | | | | |
| INSERTION AND WITHDRAWAL FORCES | MEASURED BY APPLICABLE CONNECTOR. | INSERTION FORCE: (0.7 × ※※) N MAX. WITHDRAWAL FORCE: (0.065 × ※※) N MIN. | × | |
| MECHANICAL OPERATION | 50 TIMES INSERTIONS AND EXTRACTIONS. | ① CONTACT RESISTANCE: 100 mΩ MAX. ⁽²⁾ ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS. | × | |
| VIBRATION | FREQUENCY 10 TO 55 Hz, AMPLITUDE : 1.5 mm, AT 2 h FOR 3 DIRECTION. | ① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② CONTACT RESISTANCE: 100 mΩ MAX. ⁽²⁾ | × | |
| SHOCK | 490 m/s ² , DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS. | ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS. | × | |
| ENVIRONMENTAL CHARACTERISTICS | | | | |
| DAMP HEAT (STEADY STATE) | EXPOSED AT 40±2 °C, 90 ~ 95 %, 96 h. | ① CONTACT RESISTANCE: 100 mΩ MAX. ⁽²⁾ ② INSULATION RESISTANCE: 100 MΩ MIN. | × | |
| 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 PARTS. | × | |
| CORROSION SALT MIST | EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h. | ① CONTACT RESISTANCE: 100 mΩ MAX. ⁽²⁾ ② NO HEAVY CORROSION. | × | |
| HYDROGEN SULPHIDE | EXPOSED IN 3 PPM FOR 96 h. (TEST STANDARD: JEIDA-38) | | × | |
| RESISTANCE TO SOLDERING HEAT | 1) REFLOW SOLDERING : 250 °C MAX, : 220 °C MIN, FOR 60 s 2) SOLDERING IRONS : 360 °C, FOR 5 s △ | NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS. | × | |
| SOLDERABILITY △ △ | SOLDERED AT SOLDER TEMPERATURE, 240 ± 3°C, FOR IMMERSION DURATION, 3 s. | A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSED. | × | |
| REMARKS ⁽¹⁾ THIS CONNECTOR'S INITIAL CONTACT RESISTANCE SHALL BE 80 mΩ, BECAUSE OF THE BULK RESISTANCE OF STACKING HEIGHT 16 mm TYPE. ⁽²⁾ AFTER TEST, THE CHANCE OF THE CONTACT RESISTANCE SHALL BE 20 mΩ MAX. | | | | |
| DRAWN S.SUZUKI 03.02.07 | | DESIGNED K.NAKAMURA 03.02.17 | CHECKED H.OKAWA 03.02.18 | APPROVED Y.YOSHIMURA 03.02.19 |
| RELEASED | | | | |
| Unless otherwise specified, refer to JIS C 5402. | | | | |
| Note QT:Qualification Test AT:Assurance Test ×:Applicable Test | | | | |
| HIROSE ELECTRIC CO., LTD. | | SPECIFICATION SHEET | | PART NO. FX8C-※※S-SV(92) |
| CODE NO.(OLD) CL | DRAWING NO. ELC4 - 151022- 22 | CODE NO. CL 578 | | 1/1 |

TO
PCK