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| | COUNT | DESCRIPTION OF REVISIONS | BY | CHKD | DATE | | COUNT | DESCRIPTION OF REVISIONS | BY | CHKD | DATE |
| △ | | | | | | △ | | | | | |
| △ | | | | | | △ | | | | | |
| APPLICABLE STANDARD | | | | | | | | | | | |
| RATING | OPERATING TEMPERATURE RANGE | | -40 °C TO 85 °C ⁽¹⁾ | | | STORAGE TEMPERATURE RANGE | | -10 °C TO 60 °C ⁽²⁾ | | | |
| | VOLTAGE | | 100 V AC | | | OPERATING HUMIDITY RANGE | | 40 % TO 80 % | | | |
| | CURRENT | | 0.5 A | | | STORAGE HUMIDITY RANGE | | 40 % TO 70 % ⁽²⁾ | | | |
| SPECIFICATIONS | | | | | | | | | | | |
| ITEM | | TEST METHOD | | | | REQUIREMENTS | | | | QT | AT |
| CONSTRUCTION | | | | | | | | | | | |
| GENERAL EXAMINATION | | VISUALLY AND BY MEASURING INSTRUMENT. | | | | ACCORDING TO DRAWING. | | | | × | × |
| MARKING | | CONFIRMED VISUALLY. | | | | | | | | × | × |
| ELECTRIC CHARACTERISTICS | | | | | | | | | | | |
| INSULATION RESISTANCE | | 100 V DC. | | | | 500 MΩ MIN. | | | | × | |
| VOLTAGE PROOF | | 300 V AC FOR 1 min. | | | | NO FLASHOVER OR BREAKDOWN. | | | | × | |
| MECHANICAL CHARACTERISTICS | | | | | | | | | | | |
| MECHANICAL OPERATION | | 50 TIMES INSERTIONS AND EXTRACTIONS. | | | | NO DAMAGE, CRACK AND LOOSENESS OF PARTS. | | | | × | |
| VIBRATION | | FREQUENCY 10 TO 55 Hz, AMPLITUDE : 1.5 mm, AT 2 h FOR 3 DIRECTION. | | | | | | | | × | |
| SHOCK | | 490 m/s ² , DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS. | | | | | | | | × | |
| LOCK STRENGTH | | MATE TO APPLICABLE CONNECTOR AND APPLY PULL FORCE HORIZONTALLY. | | | | 20 N MIN. | | | | × | |
| LANCE STRENGTH | | INSERT APPLICABLE CONTACT AND PULL CABLE. | | | | 5 N MIN. | | | | × | |
| ENVIRONMENTAL CHARACTERISTICS | | | | | | | | | | | |
| DAMP HEAT (STEADY STATE) | | EXPOSED AT 40±2 °C, 90 ~ 95 %, 96 h. | | | | ① INSULATION RESISTANCE: 500 MΩ MIN. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS. | | | | × | |
| RAPID CHANGE OF TEMPERATURE | | TEMPERATURE-55→+15~+35→+85→+15~+35°C TIME 30 → 2~3 → 30 → 2~3 min UNDER 5 CYCLES. | | | | | | | | × | |
| CORROSION SALT MIST | | EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h. | | | | NO HEAVY CORROSION. | | | | × | |
| SULFUR DIOXIDE | | EXPOSED IN 10 PPM FOR 96 h. (TEST STANDARD: JIS-C-0090) | | | | | | | | × | |
| | | | | | | | | | | | |
| REMARKS ⁽¹⁾ INCLUDE TEMPERATURE RISE OF CURRENT CARRYING. ⁽²⁾ "STORAGE" MEANS LONG-TERM STORAGE STATE BEFORE ASSEMBLY TO PCB. | | | | | | DRAWN | DESIGNED | CHECKED | APPROVED | RELEASED | |
| | | | | | | K. Shibuya '05.03.25 | K. Shibuya '05.03.25 | H. Yamaguchi 05.03.25 | H. Okawa '05.03.25 | | |
| Unless otherwise specified, refer to JIS C 5402. | | | | | | | | | | | |
| Note QT:Qualification Test AT:Assurance Test ×:Applicable Test | | | | | | | | | | | |
| HRS HIROSE ELECTRIC CO., LTD. | | | | | | SPECIFICATION SHEET | | | PART NO. FX15-31P-C | | |
| CODE NO.(OLD) CL | | DRAWING NO. ELC4 - 155326 | | | | CODE NO. CL 575-2101-2 | | | | 1 1 | |