

| COUNT | DESCRIPTION OF REVISIONS | BY | CHKD | DATE | COUNT | DESCRIPTION OF REVISIONS | BY | CHKD | DATE |
|---|-----------------------------|---|------|---------------------|---|--------------------------|---------------------|----------|------|
| | | | | | | | | | |
| APPLICATION STANDARD | | | | | | | | | |
| RATING | OPERATING TEMPERATURE RANGE | -55 °C TO +85 °C | | | | | | | |
| | VOLTAGE | 100 V AC | | | | | | | |
| | CURRENT | 0.4 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) | | | 45 mΩ MAX. | | | X | - |
| CONTACT RESISTANCE MILLIVOLT LEVEL METHOD | | 20 mV MAX, 1 mA (DC OR 1000 Hz) | | | 55 mΩ MAX. | | | X | - |
| INSULATION RESISTANCE | | 250 V DC | | | 100 MΩ MIN. | | | X | - |
| VOLTAGE PROOF | | 300 V AC FOR 1 min. | | | NO FLASHOVER OR BREAKDOWN | | | X | - |
| MECHANICAL CHARACTERISTICS | | | | | | | | | |
| INSERTION AND WITHDRAWAL FORCES | | MEASURED BY APPLICABLE CONNECTOR. | | | INSERTION FORCE: 70 N MAX. WITHDRAWAL FORCE: 6.5 N MIN. | | | X | - |
| MECHANICAL OPERATION | | 50 TIMES INSERTIONS AND EXTRACTIONS. | | | 1) CONTACT RESISTANCE: 55 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PART. | | | X | - |
| VIBRATION | | FREQUENCY: 10 TO 55 Hz, SINGLE AMPLITUDE: 0.75 mm FOR 2 h IN 3 DIRECTIONS. | | | 1) NO ELECTRICAL DISCONTINUITY OF 1 μs 2) CONTACT RESISTANCE: 55 mΩ MAX. 3) NO DAMAGE, CRACK AND LOOSENESS OF PART. | | | X | - |
| SHOCK | | 490 m/s ² DURATION OF PULSE 11 ms FOR 3 TIMES IN 3 DIRECTIONS. | | | | | | X | - |
| ENVIRONMENTAL CHARACTERISTICS | | | | | | | | | |
| DAMP HEAT (STEADY STATE) | | EXPOSED AT 40±2 °C, 90~95 %, 96 h. | | | 1) CONTACT RESISTANCE: 55 mΩ MAX. 2) INSULATION RESISTANCE: | | | X | - |
| RAPID CHANGE OF TEMPERATURE | | TEMPERATURE -55→+5~+35→+85→+5~+35°C TIME 30→10~15→30→10~15 min. UNDER 5 CYCLES. | | | 100 MΩ MIN. 3) NO DAMAGE, CRACK AND LOOSENESS OF PART. | | | X | - |
| CORROSION SALT MIST | | EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h. | | | 1) CONTACT RESISTANCE: 55 mΩ MAX. 2) NO HEAVY CORROSION. | | | X | - |
| HYDROGEN SULPHIDE | | EXPOSED IN 3 PPM FOR 96 h. (TEST STANDARD: JEIDA-38) | | | | | | X | - |
| REMARKS | | | | | | | | | |
| | | | | DRAWN | DESIGNED | CHECKED | APPROVED | RELEASED | |
| | | | | <i>H. Kiriyama</i> | <i>H. Yamaguchi</i> | <i>H. Okawa</i> | <i>Y. Yoshimura</i> | | |
| | | | | 01.04.24 | 01.04.25 | 01.04.25 | 01.04.25 | | |
| UNLESS OTHERWISE SPECIFIED, REFER TO JIS C 5402. | | | | | | | | | |
| NOTE QT: QUALIFICATION TEST AT: ASSURANCE TEST x: APPLICABLE TEST | | | | | | | | | |
| HRS HIROSE ELECTRIC CO., LTD. | | | | SPECIFICATION SHEET | | | PART NO. | | |
| CODE NO.(OLD) | | | | DRAWING NO. | | | CODE NO. | | |
| CL | | | | ELC4-150676-01 | | | FX8-100S-SV(23) | | |
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