

| COUNT | DESCRIPTION OF REVISIONS | BY | CHKD | DATE | COUNT | DESCRIPTION OF REVISIONS | BY | CHKD | DATE | |
|--|---|--------------------------|----------------|--------|--|--------------------------|----------------|--------------------|-----------------|-----------|
| △ | | | | .. . | △ | | | | .. . | |
| △ | | | | .. . | △ | | | | .. . | |
| APPLICABLE STANDARD | | | | | | | | | | |
| RATING | OPERATING TEMPERATURE RANGE | -30 °C TO +85 °C (NOTE1) | | | STORAGE TEMPERATURE RANGE | -10 °C TO +60 °C | | | | |
| | VOLTAGE | 250 VAC | JL-OSA | 30V AC | APPLICABLE CONTACT | --- | | | | |
| | CURRENT | 2A | STANDARD | 2A | APPLICABLE CONNECTOR | --- | | | | |
| | | | | | APPLICABLE CABLE | --- | | | | |
| SPECIFICATIONS | | | | | | | | | | |
| ITEM | TEST METHOD | | | | REQUIREMENTS | | | | 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). | | | | 30 mΩ MAX. | | | | ○ | - |
| CONTACT RESISTANCE MILLIVOLT LEVEL METHOD. | 20 mV MAX. mA (DC OR 1000 Hz). | | | | mΩ MAX. | | | | - | - |
| INSULATION RESISTANCE | 500 V DC | | | | 1000 MΩ MIN. | | | | ○ | - |
| VOLTAGE PROOF | 650 V AC FOR 1 min | | | | NO FLASHOVER OR BREAKDOWN. | | | | ○ | - |
| MECHANICAL CHARACTERISTICS | | | | | | | | | | |
| CONTACT INSERTION AND EXTRACTION FORCES | BY STEEL GAUGE. | | | | INSERTION FORCE | | N MAX. | | - | - |
| | | | | | EXTRACTION FORCE | | N MIN. | | - | - |
| INSERTION AND WITHDRAWAL FORCES | MEASURED BY APPLICABLE CONNECTOR. | | | | INSERTION FORCE | | N MAX. | | - | - |
| | | | | | EXTRACTION FORCE | | N MIN. | | - | - |
| MECHANICAL OPERATION | 30 TIMES INSERTIONS AND EXTRACTIONS | | | | ① CONTACT RESISTANCE: 30 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS. | | | | ○ | - |
| VIBRATION | FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, 98 m/s ² AT 2 h FOR 3 DIRECTIONS. | | | | ① NO ELECTRICAL DISCONTINUITY OF 10 μs. ② CONTACT RESISTANCE: 30 mΩ MAX. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS. | | | | ○ | - |
| SHOCK | 490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS. | | | | ① NO ELECTRICAL DISCONTINUITY OF 10 μs. ② CONTACT RESISTANCE: --- mΩ MAX. 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: 30 mΩ MAX. ② INSULATION RESISTANCE: 500 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS. | | | | ○ | - |
| RAPID CHANGE OF TEMPERATURE | TEMPERATURE-55±3~3~3.5-85±2~5~3.5°C TIME 30~5~30~5 min UNDER 5 CYCLES. | | | | ① CONTACT RESISTANCE: 30 mΩ MAX. ② INSULATION RESISTANCE: --- MΩ. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS. | | | | ○ | - |
| RESISTANCE TO SOLDERING HEAT | SOLDER TEMPERATURE, 260 °C FOR IMMERSION, DURATION, 5 s. | | | | NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS. | | | | ○ | - |
| SOLDERABILITY | SOLDERED AT SOLDER TEMPERATURE, 230 °C FOR IMMERSION DURATION, 3 s. | | | | A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMersed. | | | | ○ | - |
| REMARKS | | | | | DRAWN | DESIGNED | CHECKED | APPROVED | RELEASED | |
| NOTE1 INCLUDE THE TEMPERATURE RISING BY CURRENT. Unless otherwise specified, refer to MIL-STD-1344. | | | | | <i>R. Sasaki</i> | <i>T. Mizoguchi</i> | <i>J. Oma</i> | <i>M. Yamamoto</i> | | |
| | | | | | '95.6.29 | '95.7.4 | '95.7.13 | '95.7.17 | | |
| Note QT: Qualification Test AT: Assurance Test ○: Applicable Test | | | | | | | | | | |
| HRS HIROSE ELECTRIC CO., LTD. | | | | | SPECIFICATION SHEET | | | PART NO. | | |
| | | | | | | | | DF11F-XDP-2DSA | | |
| CODE NO. (OLD) | | | DRAWING NO. | | | CODE NO. | | | 1 | |
| CL | | | ELC4-160085-01 | | | 0758-1 | | | | |
| | | | | | | CL 543-0765-7 | | | | |

TO

