

| COUNT | DESCRIPTION OF REVISIONS | BY | CHKD | DATE | COUNT | DESCRIPTION OF REVISIONS | BY | CHKD | DATE |
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| APPLICABLE STANDARD | | | | |
|---------------------|-----------------------------|------------------------|---------------------------|-------------------------|
| RATING | OPERATING TEMPERATURE RANGE | -30°C TO +85°C (NOTE1) | STORAGE TEMPERATURE RANGE | -10°C TO +60°C |
| | VOLTAGE | 250 V DC | APPLICABLE CONTACT | — |
| | CURRENT | 3 A | APPLICABLE CONNECTOR | — |
| | | | APPLICABLE CABLE | UL1061 24 AWG TO 28 AWG |

SPECIFICATIONS

| ITEM | TEST METHOD | REQUIREMENTS | Q | T | A | T |
|------|-------------|--------------|---|---|---|---|
|------|-------------|--------------|---|---|---|---|

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 | TIMES INSERTIONS AND EXTRACTIONS | ① CONTACT RESISTANCE: mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS. | — | — | | |
| VIBRATION | FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm. - m/s ² AT 2 h FOR 3 DIRECTIONS. | ① NO ELECTRICAL DISCONTINUITY OF #s. ② CONTACT RESISTANCE: — mΩ MAX. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS. | ○ | — | | |
| SHOCK | AT m/s ² DURATION OF PULSE TIMES FOR DIRECTIONS. ms | ① NO ELECTRICAL DISCONTINUITY OF #s. 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: 1000 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS. | ○ | — | | |
| RAPID CHANGE OF TEMPERATURE | TEMPERATURE -55 → 5 → 35 → 85 → 5 → 35°C TIME 30 → 5 → 30 → 5 min UNDER 5 CYCLES. | ① CONTACT RESISTANCE: 30 mΩ MAX. ② INSULATION RESISTANCE: 1000 MΩ. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS. | ○ | — | | |
| RESISTANCE TO SOLDERING HEAT | SOLDER TEMPERATURE, IMMERSION, DURATION. °C FOR s. | NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS. | — | — | | |
| SOLDERABILITY | SOLDERED AT SOLDER TEMPERATURE, FOR IMMERSION DURATION. °C 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. | T. Niijyaki 95.4.17 | T. Niijyaki 95.4.17 | J. Omi 95.4.18 | M. Yamano 95.4.18 | |

Note QT: Qualification Test AT: Assurance Test ○: Applicable Test

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| HRS HIROSE ELECTRIC CO., LTD. | SPECIFICATION SHEET | PART NO. DF4- X DP-2C |
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| CODE NO. (OLD) CL | DRAWING NO. ELC4-160366 | CODE NO. 0078-3 CL544-0092-4 | 1/1 |
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