

| COUNT | DESCRIPTION OF REVISIONS | BY | CHKD | DATE | COUNT | DESCRIPTION OF REVISIONS | BY | CHKD | DATE |
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| APPLICABLE STANDARD | | | | | | | | | |
| RATING | OPERATING TEMPERATURE RANGE | -35 °C TO +85 °C(NOTE1) | | | STORAGE TEMPERATURE RANGE | -10 °C TO +60 °C | | | |
| | VOLTAGE | 500 V AC | | | APPLICABLE CONNECTOR | DF5A- * P-5DSA | | | |
| | CURRENT | AWG18 8A | | | APPLICABLE CONTACT | DF5-1822SC(F) | | | |
| | | AWG20 6A | | | | DF5A-1822SC(F) | | | |
| | | AWG22 5A | | | APPLICABLE CABLE | AWG18~AWG22 | | | |
| 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 | | 100mA(DC OR 1000 Hz). | | | 30mΩ MAX. | | | × | — |
| INSULATION RESISTANCE | | 500 V DC. | | | 1000 MΩ MIN. | | | × | — |
| VOLTAGE PROOF | | 1500 V AC FOR 1 min. | | | NO FLASHOVER OR BREAKDOWN. | | | × | — |
| MECHANICAL CHARACTERISTICS | | | | | | | | | |
| MECHANICAL OPERATION | | 30 TIMES INSERTIONS AND EXTRACTIONS. | | | ①CONTACT RESISTANCE: 30 mΩ MAX. ②NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | | | × | — |
| VIBRATION | | FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, - m/s ² AT 2h, FOR 3 DIRECTIONS. | | | ①NO ELECTRICAL DISCONTINUITY OF 10μs. | | | × | — |
| SHOCK | | 490 m/s ² DURATION OF PULSE 11ms AT 3 TIMES FOR 3 DIRECTIONS. | | | ②CONTACT RESISTANCE: 30mΩ MAX. ③NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | | | × | — |
| ENVIRONMENTAL CHARACTERISTICS | | | | | | | | | |
| RAPID CHANGE OF TEMPERATURE | | TEMPERATURE -55 →5~35→ 85 →5~35 °C TIME 30 →5 → 30 → 5 min UNDER 5 CYCLES. | | | ①CONTACT RESISTANCE: 30 mΩ MAX. ②INSULATION RESISTANCE:1000 MΩ MIN. ③NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | | | × | — |
| DAMP HEAT (STEADY STATE) | | EXPOSED AT 40 ± 2 °C, 90 ~ 95 %, 96 h. | | | ①CONTACT RESISTANCE: 30 mΩ MAX. ②INSULATION RESISTANCE: 500 MΩ MIN. ③NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | | | × | — |
| REMARKS | | | | | | | | | |
| NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT. | | | | DRAWN | DESIGNED | CHECKED | APPROVED | RELEASED | |
| | | | | I.DENPOUYA | I.DENPOUYA | H.Umehara | K. Katayama | | |
| | | | | '01.11.27 | '01.11.27 | '01.11.27 | '01.11.30 | | |
| Unless otherwise specified, refer to MIL-STD-1344. | | | | | | | | | |
| Note QT:Qualification Test AT:Assurance Test ×:Applicable Test | | | | | | | | | |
| HRS HIROSE ELECTRIC CO., LTD. | | | | SPECIFICATION SHEET | | | PART NO. DF5A- * S - 5 C | | |
| CODE NO.(OLD) | | DRAWING NO. | | | PART NO. | | | | |
| CL | | ELC4-160243 | | | CL676 | | | | |
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