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In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

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|---|-----------------------------|---|--|---------------------------|------------------|
| APPLICABLE STANDARD | | | | | |
| RATING | OPERATING TEMPERATURE RANGE | -35°C TO + 85°C (NOTE 1) | STORAGE TEMPERATURE RANGE | -10°C TO + 60°C (NOTE 3) | |
| | OPERATING HUMIDITY RANGE | 20% TO + 80% (NOTE 2) | STORAGE HUMIDITY RANGE | 40% TO + 70% (NOTE 3) | |
| | VOLTAGE | 150V AC | APPLICABLE CONNECTOR | DF13-*S-1.25C | |
| | CURRENT | 1A | USING CABLE | UL1571, AWG26 | |
| SPECIFICATIONS | | | | | |
| ITEM | | TEST METHOD | REQUIREMENTS | QT | AT |
| CONSTRUCTION | | | | | |
| GENERAL EXAMINATION | | VISUALLY AND BY MEASURING INSTRUMENT. | ACCORDING TO DRAWING. | X | X |
| MARKING | | CONFIRMED VISUALLY. | | X | X |
| ELECTRIC CHARACTERISTICS | | | | | |
| CONTACT RESISTANCE | | 100mA (DC OR 1000 Hz). | 30mΩ MAX. | X | — |
| MECHANICAL CHARACTERISTICS | | | | | |
| MECHANICAL OPERATION | | 30 TIMES INSERTIONS AND EXTRACTIONS. | ① CONTACT RESISTANCE: 30mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | X | — |
| CONTACT INSERTION AND EXTRACTION FORCE | | □0.35±0.002 mm BY STEEL GAUGE. | INSERTION FORCE 3.0N MAX EXTRACTION FORCE 0.3N MIN | X | — |
| VIBRATION | | FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, AT 2 h, FOR 3 DIRECTIONS. | ① NO ELECTRICAL DISCONTINUITY OF 1μs. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | X | — |
| SHOCK | | 490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS. | ① NO ELECTRICAL DISCONTINUITY OF 1μs. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | X | — |
| ENVIRONMENTAL CHARACTERISTICS | | | | | |
| DAMP HEAT (STEADY STATE) | | EXPOSED AT 40 ± 2°C , 90 TO 95 %, 96 h. | ① CONTACT RESISTANCE: 30mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | X | — |
| RAPID CHANGE OF TEMPERATURE | | TEMPERATURE -55→ 5 TO 35→ 85→ 5 TO 35 °C TIME 30→10 TO 15→30→10 TO 15 min UNDER 5 CYCLES. | ① CONTACT RESISTANCE: 30mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS. | X | — |
| | | | | | |
| REMARKS | | | | | |
| NOTE 1:INCLUDING THE TEMPERATURE RISE BY CURRENT | | | | | |
| NOTE 2:NO CONDENSING | | | | | |
| NOTE 3:APPLY TO THE CONDITION OF LONG TERM STORAGE FOR UNUSED PRODUCTS BEFORE MOUNTED ON PCB. AFTER MOUNTED ON PCB BOARD, OPERATING TEMPERATURE AND HUMIDITY RANGE IS APPLIED FOR INTERIM STORAGE DURING TRANSPORTATION. | | | | | |
| | COUNT | DESCRIPTION OF REVISIONS | DESIGNED | CHECKED | DATE |
| △ | | | | | |
| Unless otherwise specified, refer to IEC 60512. | | | APPROVED | HS. OKAWA | 18.03.05 |
| | | | CHECKED | TS. FUKUSHIMA | 18.03.05 |
| | | | DESIGNED | TS. KUMAZAWA | 18.02.26 |
| | | | DRAWN | MK. INOUE | 18.02.23 |
| Note QT:Qualification Test AT:Assurance Test X:Applicable Test | | | DRAWING NO. | | ELC-366644-05-00 |
| HRS | SPECIFICATION SHEET | | PART NO. | DF13-2630S1-26A9-300 (05) | |
| | HIROSE ELECTRIC CO., LTD. | | CODE NO. | CL536-9001-0-05 | △ 1/1 |