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

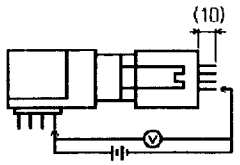
| | COUNT | DESCRIPTION OF REVISIONS | BY | CHKD | DATE | | COUNT | DESCRIPTION OF REVISIONS | BY | CHKD | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|
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| APPLICABLE STANDARD | | | | |
|---|---|---|---|---|
| RATING | OPERATING TEMPERATURE RANGE | −55°C TO 85°C | STORAGE TEMPERATURE RANGE | −55°C TO 85°C |
| | VOLTAGE | 125 V | OPERATING HUMIDITY RANGE | − % TO − % |
| | CURRENT | 0.5 A | APPLICABLE CABLE | AWG # 28 |

# 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 | 100 mA (DC OR 1000 Hz). | [1] 35 mΩ MAX. | ○ | ○ |
| CONTACT RESISTANCE MILLIVOLT LEVEL METHOD. | 20 mV MAX, − mA(DC OR 1000 Hz). | | − | − |
| INSULATION RESISTANCE | 500 V DC. | 500 MΩ MIN. | ○ | ○ |
| VOLTAGE PROOF | 500 V AC FOR 1 min. | NO FLASHOVER OR BREAKDOWN. | ○ | ○ |
| **MECHANICAL CHARACTERISTICS** | | | | |
| INSERTION AND WITHDRAWAL FORCES | MEASURED BY APPLICABLE CONNECTOR. | INSERTION FORCE 26.66 N MAX.<br>EXTRACTION FARCE 99.96 N MIN. | ○ | − |
| MECHANICAL OPERATION | 1000 TIMES INSERTIONS AND EXTRACTIONS. | ① CONTACT RESISTANCE: 70 mΩ MAX.<br>② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS. | ○ | − |
| VIBRATION | FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.76 mm, − m/s² AT 2 h, FOR 3 DIRECTIONS. | ① NO ELECTRICAL DISCONTINUITY OF 1 μs.<br>② CONTACT RESISTANCE: 70 Ω MAX. | ○ | − |
| SHOCK | 490 m/s² DIRECTIONS OF PULSE 11 ms AT 3 TIME FOR 3 DIRECTION. | ③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS. | ○ | − |
| **ENVIRONMENTAL CHARACTERISTICS** | | | | |
| RAPID CHANGE OF TEMPERATURE | TEMPERATURE -55 → 5~35 → 85 → 5~35 °C<br>TIME 30 → 5 → 30 → 5 min<br>UNDER 5 CYCLES. | ① CONTACT RESISTANCE: 70 mΩ MAX.<br>② INSULATION RESISTANCE: 500 MΩ MIN.<br>③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS. | ○ | − |
| DAMP HEAT (STEADY STATE) | EXPOSED AT 40 °C, 90 ~ 95 %, 96 h. | ① CONTACT RESISTANCE: 70 mΩ MAX.<br>② INSULATION RESISTANCE: 500 MΩ MIN.<br>③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS. | ○ | − |
| CORROSION SALT MIST | EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h. | ① CONTACT RESISTANCE: 70 mΩ MAX. | ○ | − |
| HYDROGEN SULPHIDE | EXPOSED IN 3 PPM FOR 120 h.<br>(TEST STANDARD: JEIDA-38) | ② NO HEAVY CORROSION. | ○ | − |

[1] CONTACT RESISTANCE TEST POSITION




| REMARKS | DRAWN | DESIGNED | CHECKED | APPROVED | RELEASED |
|---|---|---|---|---|---|
| Unless otherwise specified, refer to JIS C 5402. | K. Sakuchi '98.05.23 | K. Sakuchi '98.05.23 | T. Aso '98.05.23 | H. Tanaka '98.5.27 | |

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

| HIROSE ELECTRIC CO., LTD. | SPECIFICATION SHEET | PART NO. DX30AM−68P |
|---|---|---|

| CODE NO.(OLD) | DRAWING NO. | PART NO. | |
|---|---|---|---|
| CL | ELC4−040387 | CL230−5029−8 | 1/1 |

FORM No. 231-1

| STO |
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| Q1 |
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