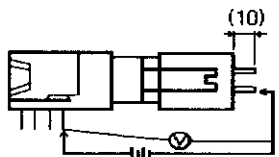


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In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

| COUNT | DESCRIPTION OF REVISIONS | BY | CHKD | DATE | COUNT | DESCRIPTION OF REVISIONS | BY | CHKD | DATE | |
|--|-----------------------------|---|--------------------|----------------------------|--|-------------------------------|------------------|-----------------|-----------------|---|
| △ | | | | | △ | | | | | |
| △ | | | | | △ | | | | | |
| APPLICABLE STANDARD | | | | | | | | | | |
| RATING | OPERATING TEMPERATURE RANGE | -55 °C TO 85 °C | | | STORAGE TEMPERATURE RANGE | — °C TO — °C | | | | |
| | VOLTAGE | AC 250 V | | | OPERATING HUMIDITY RANGE | — % TO — % | | | | |
| | CURRENT | 0.5 A | | | APPLICABLE CABLE | UL20276 AWG NO.28 (φ 0.58) | | | | |
| 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). | | | 35 mΩ MAX. 1 | | | ○ | ○ | |
| INSULATION RESISTANCE | | 500V 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 | | 73.5 N MAX. | | ○ | — |
| | | | | | EXTRACTION FORCE | | 19.6 N MIN. | | ○ | — |
| MECHANICAL OPERATION | | 1000 TIMES INSERTIONS AND EXTRACTIONS. | | | ① CONTACT RESISTANCE: 1 35mΩ 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. | | | NO DAMAGE, CRACK AND LOOSENESS, OF PARTS. | | | ○ | — | |
| SHOCK | | 490 m/s ² DIRECTIONS OF PULSE 11 ms AT 3 TIME FOR 6 DIRECTION. | | | | | | ○ | — | |
| ENVIRONMENTAL CHARACTERISTICS | | | | | | | | | | |
| RAPID CHANGE OF TEMPERATURE | | TEMPERATURE -55 → 5~35 → 85 → 5~35 °C TIME 30 → 2~3 → 30 → 2~3 min UNDER 5 CYCLES. | | | NO DAMAGE, CRACK AND LOOSENESS, OF PARTS. | | | ○ | — | |
| DAMP HEAT (STEADY STATE) | | EXPOSED AT 40 °C, 90~95 %RH, 96 h. | | | ① INSULATION RESISTANCE AT HIGH HUMIDITY 1 MΩ MIN. AT DRY 100 MΩ MIN. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS. | | | ○ | — | |
| CORROSION SALT MIST | | EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h. | | | NO HEAVY CORROSION. | | | ○ | — | |
| NOTE 1 CONTACT RESISTANCE TEST POSITION. | | | | | | | | | | |
|  | | | | | | | | | | |
| REMARKS | | | | | DRAWN | DESIGNED | CHECKED | APPROVED | RELEASED | |
| | | | | | <i>T. Taniguchi</i> | <i>A. Wada</i> | <i>Y. Enami</i> | <i>H. Miura</i> | | |
| | | | | | 02'04'05 | 02'04'05 | 02.4.5 | 02.04.09 | | |
| Unless otherwise specified, refer to JIS C 5402. | | | | | Note QT:Qualification Test AT:Assurance Test ○:Applicable Test | | | | | |
| HS HIROSE ELECTRIC CO., LTD. | | | | SPECIFICATION SHEET | | | PART NO. | | | |
| | | | | | | | DX40M-50P | | | |
| CODE NO.(OLD) | | | DRAWING NO. | | | PART NO. | | | 1 | |
| CL | | | ELC4-045317 | | | CL230-5036-3 | | | 1 | |

TO
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