

| 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 | - °C TO - °C |
| | VOLTAGE | AC 250 V | OPERATING HUMIDITY RANGE | - % TO - % |
| | CURRENT | 0.5 A | APPLICABLE CABLE | - |

| SPECIFICATIONS | | | | |
|----------------|-------------|--------------|----|----|
| ITEM | TEST METHOD | REQUIREMENTS | QT | AT |

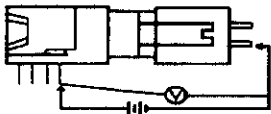
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|---------------------|---------------------------------------|--|-----------------------|---|
| CONSTRUCTION | | | | |
| GENERAL EXAMINATION | VISUALLY AND BY MEASURING INSTRUMENT. | | ACCORDING TO DRAWING. | |
| MARKING | CONFIRMED VISUALLY. | | ○ | ○ |

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| ELECTRIC CHARACTERISTICS | | | | |
| CONTACT RESISTANCE | 100 mA (DC OR 1000 Hz). | 1 35 mΩ MAX. | ○ | ○ |
| INSULATION RESISTANCE | 500V DC. | 500 MΩ MIN. | ○ | ○ |
| VOLTAGE PROOF | 500 V AC FOR 1 min. | NO FLASHOVER OR BREAKDOWN. | ○ | ○ |

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| MECHANICAL CHARACTERISTICS | | | | |
| INSERTION AND WITHDRAWAL FORCES | MEASURED BY APPLICABLE CONNECTOR. | INSERTION FORCE | 40 N MIN. | ○ |
| | | EXTRACTION FORCE | 147 N MAX. | ○ |
| 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. | ○ | | |

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| 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.



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| REMARKS | DRAWN | DESIGNED | CHECKED | APPROVED | RELEASED |
| Unless otherwise specified, refer to JIS C 5402. | T. Taniguchi | T. Taniguchi | Y. Enami | S. Matsuyuki | |
| | 02.08.19 | 02.08.19 | 02.08.19 | 02.08.19 | |

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

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|---------------|---------------------------|---------------------|------------|
| HS | HIROSE ELECTRIC CO., LTD. | SPECIFICATION SHEET | PART NO. |
| | | | DX40M-100P |
| CODE NO.(OLD) | DRAWING NO. | PART NO. | |
| CL | ELC4-041449 | CL230-5039-1 | 1/1 |