

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

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| COUNT | DESCRIPTION OF REVISIONS | BY | CHKD | DATE | COUNT | DESCRIPTION OF REVISIONS | BY | CHKD | DATE |
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| APPLICABLE STANDARD | | | | | | | | | |
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| RATING | OPERATING TEMPERATURE RANGE | °C TO °C | STORAGE TEMPERATURE RANGE | °C TO °C |
| VOLTAGE | 200 V AC, 280 V DC | | OPERATING HUMIDITY RANGE | % TO % |
| CURRENT | 1 A | | APPLICABLE CABLE | AWG 26, 28 |

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| ITEM | TEST METHOD | REQUIREMENTS | QT | AT |
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| CONSTRUCTION | 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 | ○ |
| INSULATION RESISTANCE | 500 V DC. | 5000 MΩ MIN. | | ○ |
| VOLTAGE PROOF | 1000 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 | 166.6 N MAX. | ○ |
| MECHANICAL OPERATION | 500 TIMES INSERTIONS AND EXTRACTIONS. | | EXTRACTION FORCE | 14.7 N MIN. | ○ |
| VIBRATION | FREQUENCY 10 TO 500 HZ, SINGLE AMPLITUDE 0.75 mm, — m/s ² AT 2 h, FOR 3 DIRECTIONS. | | ① CONTACT RESISTANCE: 25 MΩ MAX. | | ○ |
| SHOCK | 490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS. | | ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS. | | ○ |

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| ENVIRONMENTAL CHARACTERISTICS | RAPID CHANGE OF TEMPERATURE | TEMPERATURE -55 → 25 → 85 → 25 °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 %, 96 h. | ① INSULATION RESISTANCE: 1 MΩ MIN. (AT HIGH HUMIDITY) 1000 MΩ MIN. (AT DRY.) | ○ |
| | CORROSION SALT MIST | EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h. | ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS. | ○ |

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| REMARKS | NOTE | DRAWN | DESIGNED | CHECKED | APPROVED | RELEASED |
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NOTE MEASUREMENT POINT OF CONTACT RESISTANCE

Unless otherwise specified, refer to JIS C 5402.

Note Qualification Test AT: Assurance Test Applicable Test

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| HIROSE ELECTRIC CO., LTD. | SPECIFICATION SHEET | PART NO. |
| CL | ELC4-023741-01 | DN30-50P(50) |
| CL | DRAWING NO. | CODE NO. |
| | ELC4-023741-01 | CL225-0028-2-50 |