

| COUNT | DESCRIPTION OF REVISIONS | BY | CHKD | DATE | COUNT | DESCRIPTION OF REVISIONS | BY | CHKD | DATE |
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| APPLICABLE STANDARD | | | |
| RATING | OPERATING TEMPERATURE RANGE | - 5 5 °C TO 8 5 °C | STORAGE TEMPERATURE RANGE - 5 5 °C TO 8 5 °C |
| | VOLTAGE | 1 2 5 V | OPERATING HUMIDITY RANGE - % TO - % |
| | CURRENT | 0 . 5 A | APPLICABLE CABLE AWG # 28 |

SPECIFICATIONS

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

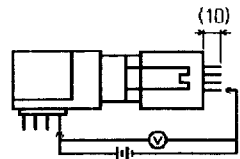
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|---------------------|---------------------------------------|-----------------------|---|---|
| CONSTRUCTION | | | | |
| GENERAL EXAMINATION | VISUALLY AND BY MEASURING INSTRUMENT. | ACCORDING TO DRAWING. | ○ | ○ |
| MARKING | CONFIRMED VISUALLY.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

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| ELECTRIC CHARACTERISTICS | | | | |
| CONTACT RESISTANCE | 100 mA (DC OR 1000 Hz). | ① 35 mΩ MAX. | ○ | ○ |
| 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. | ○ | ○ |

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| MECHANICAL CHARACTERISTICS | | | | |
| INSERTION AND WITHDRAWAL FORCES | MEASURED BY APPLICABLE CONNECTOR. | INSERTION FORCE 26.66 N MAX. EXTRACTION FARCE 99.96 N MIN. | ○ | - |
| MECHANICAL OPERATION | 1000 TIMES INSERTIONS AND EXTRACTIONS. | ① CONTACT RESISTANCE: 70 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS. | ○ | - |
| VIBRATION | FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.76 mm, - m/s ² AT 2 h, FOR 3 DIRECTIONS. | ① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② CONTACT RESISTANCE: 70 Ω MAX. | ○ | - |
| SHOCK | 490 m/s ² DIRECTIONS OF PULSE 11 ms AT 3 TIME FOR 3 DIRECTION. | ③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS. | ○ | - |

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| ENVIRONMENTAL CHARACTERISTICS | | | | |
| RAPID CHANGE OF TEMPERATURE | TEMPERATURE -55 → 5~35 → 85 → 5~35 °C TIME 30 → 5 → 30 → 5 min UNDER 5 CYCLES. | ① CONTACT RESISTANCE: 70 mΩ MAX. ② INSULATION RESISTANCE: 500 MΩ MIN. 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. ② INSULATION RESISTANCE: 500 MΩ MIN. 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. (TEST STANDARD: JEIDA-38) | ② NO HEAVY CORROSION. | ○ | - |

① CONTACT RESISTANCE TEST POSITION



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| REMARKS | DRAWN | DESIGNED | CHECKED | APPROVED | RELEASED |
| | <i>K. Shirobuchi</i> | <i>K. Shirobuchi</i> | <i>T. Aiso</i> | <i>H. Tanaka</i> | |
| Unless otherwise specified, refer to JIS C 5402. | | | | | |
| Note QT:Qualification Test AT:Assurance Test ○:Applicable Test | | | | | |

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| HS HIROSE ELECTRIC CO., LTD. | | SPECIFICATION SHEET | | PART NO. DX30AM-68P | |
| CODE NO.(OLD) | DRAWING NO. | PART NO. | | 1/1 | |
| CL | ELC4-040387 | CL230-5029-8 | | | |

TO
Q1

USA