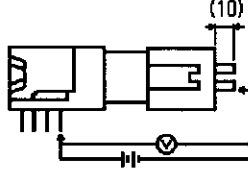


| COUNT | DESCRIPTION OF REVISIONS | BY | CHKD | DATE | COUNT | DESCRIPTION OF REVISIONS | BY | CHKD | DATE |
|-------|--------------------------|----|------|------|-------|--------------------------|----|------|------|
| △     |                          |    |      |      | △     |                          |    |      |      |
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|                            |                             |                 |                                    |
|----------------------------|-----------------------------|-----------------|------------------------------------|
| <b>APPLICABLE STANDARD</b> |                             |                 |                                    |
| <b>RATING</b>              | OPERATING TEMPERATURE RANGE | -55 °C TO 85 °C | STORAGE TEMPERATURE RANGE °C TO °C |
|                            | VOLTAGE                     | 250 V AC        | OPERATING HUMIDITY RANGE % TO %    |
|                            | CURRENT                     | 0.5 A           | APPLICABLE CABLE                   |

| <b>SPECIFICATIONS</b>                |                                                                                                                          |                                                                                  |       |
|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|-------|
| ITEM                                 | TEST METHOD                                                                                                              | REQUIREMENTS                                                                     | QT AT |
| <b>CONSTRUCTION</b>                  |                                                                                                                          |                                                                                  |       |
| GENERAL EXAMINATION                  | VISUALLY AND BY MEASURING INSTRUMENT.                                                                                    | ACCORDING TO DRAWING.                                                            | ○ ○   |
| MARKING                              | CONFIRMED VISUALLY.                                                                                                      |                                                                                  | ○ ○   |
| <b>ELECTRIC CHARACTERISTICS</b>      |                                                                                                                          |                                                                                  |       |
| CONTACT RESISTANCE                   | 100 mA (DC OR 1000 Hz).                 | 35 mΩ MAX.                                                                       | ○ ○   |
| INSULATION RESISTANCE                | 500 V DC.                                                                                                                | 500 MΩ MIN.                                                                      | ○ ○   |
| VOLTAGE PROOF                        | 500 V AC FOR 1 min.                                                                                                      | NO FLASHOVER OR BREAKDOWN.                                                       | ○ ○   |
| <b>MECHANICAL CHARACTERISTICS</b>    |                                                                                                                          |                                                                                  |       |
| INSERTION AND WITHDRAWAL FORCES      | MEASURED BY APPLICABLE CONNECTOR.                                                                                        | 14.2 N MIN.<br>52.9 N MAX.                                                       | ○ -   |
| MECHANICAL OPERATION                 | 1000 TIMES INSERTIONS AND EXTRACTIONS.  | ① CONTACT RESISTANCE: 35 mΩ MAX.<br>② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.  | ○ -   |
| VIBRATION                            | FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, — m/s <sup>2</sup> AT 2 h, FOR 3 DIRECTIONS.                            | NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.                                        | ○ -   |
| SHOCK                                | 490 m/s <sup>2</sup> DURATION OF PULSE 11 ms AT 3 TIMES FOR 6 DIRECTIONS.                                                |                                                                                  | ○ -   |
| <b>ENVIRONMENTAL CHARACTERISTICS</b> |                                                                                                                          |                                                                                  |       |
| RAPID CHANGE OF TEMPERATURE          | TEMPERATURE -55 → 5~35 → 85 → 5~35 °C<br>TIME 30 → 2~3 → 30 → 2~3 min<br>UNDER 5 CYCLES.                                 | NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.                                        | ○ -   |
| DAMP HEAT (STEADY STATE)             | EXPOSED AT 40 °C, 90~95 %, 96 h.                                                                                         | INSULATION RESISTANCE:<br>1 MΩ MIN. (AT HIGH HUMIDITY.)<br>100 MΩ MIN. (AT DRY.) | ○ -   |
| CORROSION SALT MIST                  | EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.                                                                                | NO HEAVY CORROSION.                                                              | ○ -   |
| RESISTANCE TO SOLDERING HEAT         | SOLDER TEMPERATURE, 260 ± 5 °C FOR IMMERSION, DURATION 10 ± 1 S.                                                         | NO DEFORMATION OF CASE AND EXCESSIVE LOOSENESS OF THE TERMINALS.                 | ○ -   |
| SOLDERABILITY                        | SOLDERED AT SOLDER TEMPERATURE, 245 ± 2 °C FOR IMMERSION, DURATION 3 ± 1 S.                                              | MIN. 95 % OF SOLDER IMMersed AREA SHALL BE COVERED NEW SOLDER COATING.           | ○ -   |

NOTE:  MEASUREMENT POINT OF CONTACT RESISTANCE



|                |                              |                              |                             |                             |          |
|----------------|------------------------------|------------------------------|-----------------------------|-----------------------------|----------|
| <b>REMARKS</b> | DRAWN                        | DESIGNED                     | CHECKED                     | APPROVED                    | RELEASED |
|                | <i>T. Kamaya</i><br>03.10.10 | <i>T. Kamaya</i><br>03.10.10 | <i>Y. Enami</i><br>03.10.15 | <i>H. Miura</i><br>03.10.15 |          |

Unless otherwise specified, refer to JIS C 5402.

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

|                                     |                               |                             |
|-------------------------------------|-------------------------------|-----------------------------|
| <b>HS</b> HIROSE ELECTRIC CO., LTD. | <b>SPECIFICATION SHEET</b>    | PART NO.                    |
|                                     |                               | DX10G1M-36S(50)             |
| CODE NO. (OLD)<br>CL                | DRAWING NO.<br>ELC4-120446-01 | CODE NO.<br>CL230-5226-9-50 |

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