

TO  
Q1

| 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          | UL20276 AWG NO.28<br>(φ 0.58) |

### SPECIFICATIONS

| 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. ①   | ○  | ○  |
| INSULATION RESISTANCE                | 500V 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.   | INSERTION FORCE 38.2 N MAX.<br>EXTRACTION FORCE 10.2 N MIN.  | ○  | —  |
| MECHANICAL OPERATION                 | 1000 TIMES INSERTIONS AND EXTRACTIONS.  | ① CONTACT RESISTANCE: ① 35mΩ 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> DIRECTIONS OF PULSE 11 ms AT 3 TIME FOR 6 DIRECTION.                     |  | ○  | —  |
| <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 %RH, 96 h.  | ① INSULATION RESISTANCE<br>AT HIGH HUMIDITY 1 MΩ MIN.<br>AT DRY 100 MΩ MIN.<br>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>F. Taniguchi</i><br>02.04.05 | <i>L. Wada</i><br>02.04.05 | <i>Y. Enami</i><br>02.4.5 | <i>H. Miura</i><br>02.04.09 |          |

Unless otherwise specified, refer to JIS C 5402.

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

|               |                           |                     |           |
|---------------|---------------------------|---------------------|-----------|
| <b>HS</b>     | HIROSE ELECTRIC CO., LTD. | SPECIFICATION SHEET | PART NO.  |
|               |                           |                     | DX40M-26P |
| CODE NO.(OLD) | DRAWING NO.               | PART NO.            |           |
| CL            | ELC4-045315               | CL230-5034-8        | 1/1       |