

| 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                   |

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

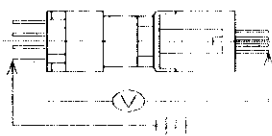
|                     |                                       |                       |     |
|---------------------|---------------------------------------|-----------------------|-----|
| <b>CONSTRUCTION</b> |                                       |                       |     |
| GENERAL EXAMINATION | 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.                 | ○ ○ |
| 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.                                                                                        | 10.2 N MIN.<br>38.2 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



|         |                |                |                 |                   |          |
|---------|----------------|----------------|-----------------|-------------------|----------|
| REMARKS | DRAWN          | DESIGNED       | CHECKED         | APPROVED          | RELEASED |
|         | <i>2-11-11</i> | <i>2-11-11</i> | <i>Y. Enami</i> | <i>H. M. Wada</i> |          |

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.<br><b>DX20M-26S(50)</b>   |
| CODE NO.(OLD)<br><b>CL</b>          | DRAWING NO.<br><b>ELC4-041444-01</b> | CODE NO.<br><b>CL230-5014-0-50</b> |

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| TO | Q |  |  |
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