

| COUNT | DESCRIPTION OF REVISIONS | BY | CHKD | DATE | COUNT | DESCRIPTION OF REVISIONS | BY | CHKD | DATE |
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| △     |                          |    |      |      | △     |                          |    |      |      |

|                            |                             |                 |                           |          |
|----------------------------|-----------------------------|-----------------|---------------------------|----------|
| <b>APPLICABLE STANDARD</b> |                             |                 |                           |          |
| RATING                     | 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 |

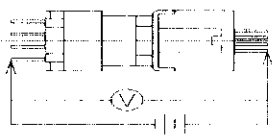
|                     |                                       |  |                       |   |
|---------------------|---------------------------------------|--|-----------------------|---|
| <b>CONSTRUCTION</b> |                                       |  |                       |   |
| GENERAL EXAMINATION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

|                                 |                         |   |                            |     |
|---------------------------------|-------------------------|---|----------------------------|-----|
| <b>ELECTRIC CHARACTERISTICS</b> |                         |   |                            |     |
| CONTACT RESISTANCE              | 100 mA (DC OR 1000 Hz). | 1 | 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.                                                             |  | 7.9 N MIN.<br>29.4 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. 1 MEASUREMENT POINT OF CONTACT RESISTANCE



|         |                    |                    |                    |                    |          |
|---------|--------------------|--------------------|--------------------|--------------------|----------|
| REMARKS | DRAWN              | DESIGNED           | CHECKED            | APPROVED           | RELEASED |
|         | <i>[Signature]</i> | <i>[Signature]</i> | <i>[Signature]</i> | <i>[Signature]</i> |          |

Unless otherwise specified, refer to JIS C 5402.

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

|                                     |                |                            |     |               |
|-------------------------------------|----------------|----------------------------|-----|---------------|
| <b>HS HIROSE ELECTRIC CO., LTD.</b> |                | <b>SPECIFICATION SHEET</b> |     | PART NO.      |
|                                     |                |                            |     | DX20M-20S(50) |
| CODE NO (OLD)                       | DRAWING NO.    | CODE NO.                   |     |               |
| CL                                  | ELC4-041443-01 | CL230-5013-8-50            | 1/1 |               |