

[Drawing for reference] This is subject to change without notice.

| COUNT                                                                                                                                                                                                                                                                                                                                                                                               | DESCRIPTION OF REVISIONS    | BY                                                                                             | CHKD                      | DATE                       | COUNT                                                                                                                             | DESCRIPTION OF REVISIONS | BY                        | CHKD                   | DATE |        |                             |             |                           |          |         |          |                          |            |         |       |                  |   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|------------------------------------------------------------------------------------------------|---------------------------|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------|--------------------------|---------------------------|------------------------|------|--------|-----------------------------|-------------|---------------------------|----------|---------|----------|--------------------------|------------|---------|-------|------------------|---|
| △                                                                                                                                                                                                                                                                                                                                                                                                   |                             |                                                                                                |                           |                            | △                                                                                                                                 |                          |                           |                        |      |        |                             |             |                           |          |         |          |                          |            |         |       |                  |   |
| △                                                                                                                                                                                                                                                                                                                                                                                                   |                             |                                                                                                |                           |                            | △                                                                                                                                 |                          |                           |                        |      |        |                             |             |                           |          |         |          |                          |            |         |       |                  |   |
| <b>APPLICABLE STANDARD</b><br><table border="1"> <tr> <td rowspan="3">RATING</td> <td>OPERATING TEMPERATURE RANGE</td> <td>-30℃ TO 70℃</td> <td>STORAGE TEMPERATURE RANGE</td> <td>-℃ TO +℃</td> </tr> <tr> <td>VOLTAGE</td> <td>AC 125 V</td> <td>OPERATING HUMIDITY RANGE</td> <td>— % TO — %</td> </tr> <tr> <td>CURRENT</td> <td>0.5 A</td> <td>APPLICABLE CABLE</td> <td>—</td> </tr> </table> |                             |                                                                                                |                           |                            |                                                                                                                                   |                          |                           |                        |      | RATING | OPERATING TEMPERATURE RANGE | -30℃ TO 70℃ | STORAGE TEMPERATURE RANGE | -℃ TO +℃ | VOLTAGE | AC 125 V | OPERATING HUMIDITY RANGE | — % TO — % | CURRENT | 0.5 A | APPLICABLE CABLE | — |
| RATING                                                                                                                                                                                                                                                                                                                                                                                              | OPERATING TEMPERATURE RANGE | -30℃ TO 70℃                                                                                    | STORAGE TEMPERATURE RANGE | -℃ TO +℃                   |                                                                                                                                   |                          |                           |                        |      |        |                             |             |                           |          |         |          |                          |            |         |       |                  |   |
|                                                                                                                                                                                                                                                                                                                                                                                                     | VOLTAGE                     | AC 125 V                                                                                       | 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>ELECTRICAL CHARACTERISTICS</b>                                                                                                                                                                                                                                                                                                                                                                   |                             |                                                                                                |                           |                            |                                                                                                                                   |                          |                           |                        |      |        |                             |             |                           |          |         |          |                          |            |         |       |                  |   |
| CONTACT RESISTANCE                                                                                                                                                                                                                                                                                                                                                                                  |                             | 1 mΩ (DC OR 1000 Hz).                                                                          |                           |                            | 40 mΩ MAX. (D)                                                                                                                    |                          |                           | ○ ○                    |      |        |                             |             |                           |          |         |          |                          |            |         |       |                  |   |
| CONTACT RESISTANCE MILLIVOLT LEVEL METHOD.                                                                                                                                                                                                                                                                                                                                                          |                             | 20 mV MAX. — mΩ (DC OR 1000 Hz).                                                               |                           |                            |                                                                                                                                   |                          |                           | — —                    |      |        |                             |             |                           |          |         |          |                          |            |         |       |                  |   |
| INSULATION RESISTANCE                                                                                                                                                                                                                                                                                                                                                                               |                             | 100 V DC                                                                                       |                           |                            | 250 MΩ MIN.                                                                                                                       |                          |                           | ○ ○                    |      |        |                             |             |                           |          |         |          |                          |            |         |       |                  |   |
| VOLTAGE PROOF                                                                                                                                                                                                                                                                                                                                                                                       |                             | 300 V AC FOR 1 min.                                                                            |                           |                            | NO FLASHOVER OR BREAKDOWN.                                                                                                        |                          |                           | ○ ○                    |      |        |                             |             |                           |          |         |          |                          |            |         |       |                  |   |
| <b>MECHANICAL CHARACTERISTICS</b>                                                                                                                                                                                                                                                                                                                                                                   |                             |                                                                                                |                           |                            |                                                                                                                                   |                          |                           |                        |      |        |                             |             |                           |          |         |          |                          |            |         |       |                  |   |
| CONTACT INSERTION AND EXTRACTION FORCES                                                                                                                                                                                                                                                                                                                                                             |                             | — BY STEEL GAUGE.                                                                              |                           |                            | INSERTION FORCE — N MAX.<br>EXTRACTION FORCE — N MIN.                                                                             |                          |                           | — —                    |      |        |                             |             |                           |          |         |          |                          |            |         |       |                  |   |
| INSERTION AND WITHDRAWAL FORCES                                                                                                                                                                                                                                                                                                                                                                     |                             | MEASURED BY APPLICABLE CONNECTOR.                                                              |                           |                            | INSERTION FORCE 20 N MAX.<br>EXTRACTION FORCE 2 N MIN.                                                                            |                          |                           | ○ —                    |      |        |                             |             |                           |          |         |          |                          |            |         |       |                  |   |
| MECHANICAL OPERATION                                                                                                                                                                                                                                                                                                                                                                                |                             | 10000 TIMES INSERTIONS AND EXTRACTIONS.                                                        |                           |                            | ① CONTACT RESISTANCE: 60 mΩ MAX.<br>② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.                                                    |                          |                           | ○ —                    |      |        |                             |             |                           |          |         |          |                          |            |         |       |                  |   |
| VIBRATION                                                                                                                                                                                                                                                                                                                                                                                           |                             | FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 1.52 mm, — mm/s <sup>2</sup> AT 2 Hz FOR 3 DIRECTIONS. |                           |                            | ① NO ELECTRICAL DISCONTINUITY OF 5 μs.<br>② CONTACT RESISTANCE: — mΩ MAX.                                                         |                          |                           | ○ —                    |      |        |                             |             |                           |          |         |          |                          |            |         |       |                  |   |
| SHOCK                                                                                                                                                                                                                                                                                                                                                                                               |                             | 490 m/s <sup>2</sup> DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTION.                       |                           |                            | ① NO DAMAGE, CRACK AND LOOSENESS OF PARTS.                                                                                        |                          |                           | ○ —                    |      |        |                             |             |                           |          |         |          |                          |            |         |       |                  |   |
| <b>ENVIRONMENTAL CHARACTERISTICS</b>                                                                                                                                                                                                                                                                                                                                                                |                             |                                                                                                |                           |                            |                                                                                                                                   |                          |                           |                        |      |        |                             |             |                           |          |         |          |                          |            |         |       |                  |   |
| RAPID CHANGE OF TEMPERATURE                                                                                                                                                                                                                                                                                                                                                                         |                             | TEMPERATURE -55 -5m35 -25 -57035℃<br>30 -10m15 -30 -10m15 min<br>UNDER 5 CYCLES.               |                           |                            | ① CONTACT RESISTANCE: — mΩ MAX.<br>② INSULATION RESISTANCE: — MΩ MIN.<br>③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.               |                          |                           | ○ —                    |      |        |                             |             |                           |          |         |          |                          |            |         |       |                  |   |
| DAMP HEAT (STEADY STATE)                                                                                                                                                                                                                                                                                                                                                                            |                             | EXPOSED AT 60 ± 9.0 TO 95% RH 96 h.                                                            |                           |                            | ① CONTACT RESISTANCE: — mΩ MAX.<br>② INSULATION RESISTANCE: 100 MΩ MIN. (AFTER DRY)<br>③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS. |                          |                           | ○ —                    |      |        |                             |             |                           |          |         |          |                          |            |         |       |                  |   |
| CORROSION SALT MIST                                                                                                                                                                                                                                                                                                                                                                                 |                             | EXPOSED IN 5% SALT WATER SPRAY FOR 48 h.                                                       |                           |                            | ① CONTACT RESISTANCE: — mΩ MAX.<br>② NO HEAVY CORROSION.                                                                          |                          |                           | ○ —                    |      |        |                             |             |                           |          |         |          |                          |            |         |       |                  |   |
| HYDROGEN SULPHIDE                                                                                                                                                                                                                                                                                                                                                                                   |                             | EXPOSED IN — PPM FOR — h.<br>(TEST STANDARD: JEIDA-36)                                         |                           |                            |                                                                                                                                   |                          |                           | — —                    |      |        |                             |             |                           |          |         |          |                          |            |         |       |                  |   |
| LOCKING FORCE                                                                                                                                                                                                                                                                                                                                                                                       |                             | PULL THE CONNECTOR, CABLE AXIALLY                                                              |                           |                            | 50 N MIN                                                                                                                          |                          |                           | ○ —                    |      |        |                             |             |                           |          |         |          |                          |            |         |       |                  |   |
|                                                                                                                                                                                                                                                                                                                                                                                                     |                             | PULL THE CONNECTOR, 90° UP, DOWN AND SIDWAYS                                                   |                           |                            | 25 N MIN                                                                                                                          |                          |                           | ○ —                    |      |        |                             |             |                           |          |         |          |                          |            |         |       |                  |   |
| (D) WITHOUT BULK RESISTANCE<br><b>DRAWING FOR REFERENCE</b><br>This is subject to change without notice                                                                                                                                                                                                                                                                                             |                             |                                                                                                |                           |                            |                                                                                                                                   |                          |                           |                        |      |        |                             |             |                           |          |         |          |                          |            |         |       |                  |   |
| REMARKS                                                                                                                                                                                                                                                                                                                                                                                             |                             |                                                                                                |                           | DRAWN                      | DESIGNED                                                                                                                          | CHECKED                  | APPROVED                  | RELEASED               |      |        |                             |             |                           |          |         |          |                          |            |         |       |                  |   |
| Unless otherwise specified, refer to JIS C 5402.                                                                                                                                                                                                                                                                                                                                                    |                             |                                                                                                |                           | K. Hoshino<br>95.11.8      | Y. Gami<br>95.11.9                                                                                                                | T. Arai<br>95.11.9       | S. Kawanishi<br>95.11.9   | HRS<br>1.911<br>(H.M.) |      |        |                             |             |                           |          |         |          |                          |            |         |       |                  |   |
| Note QT: Qualification Test AT: Assurance Test ○: Applicable Test                                                                                                                                                                                                                                                                                                                                   |                             |                                                                                                |                           |                            |                                                                                                                                   |                          |                           |                        |      |        |                             |             |                           |          |         |          |                          |            |         |       |                  |   |
| <b>HRS</b><br>HIROSE ELECTRIC CO., LTD.                                                                                                                                                                                                                                                                                                                                                             |                             |                                                                                                |                           | <b>SPECIFICATION SHEET</b> |                                                                                                                                   |                          | PART NO.<br>3240-12P-TO-C |                        |      |        |                             |             |                           |          |         |          |                          |            |         |       |                  |   |
| CODE NO. (OLD)                                                                                                                                                                                                                                                                                                                                                                                      |                             | DRAWING NO.                                                                                    |                           | CODE NO.                   |                                                                                                                                   | CODE NO.                 |                           | 1/1                    |      |        |                             |             |                           |          |         |          |                          |            |         |       |                  |   |
| CL                                                                                                                                                                                                                                                                                                                                                                                                  |                             | SLC4-120221                                                                                    |                           | CL 232-0069-8              |                                                                                                                                   |                          |                           |                        |      |        |                             |             |                           |          |         |          |                          |            |         |       |                  |   |

TO  
Q1

2

3



5

5

1

Technical drawing of a mechanical part, showing a front view (left) and a side view (right). The drawing includes dimensions and callouts for specific features.

**Dimensions:**

- Overall width:  $16.7 \pm 0.5$
- Top width:  $\phi 7.4 \pm 0.3$
- Overall height:  $21 \pm 0.5$
- Bottom width:  $13.7 \pm 0.3$
- Bottom height:  $6.8 \pm 0.3$
- Side view width:  $1.3 \pm 0.3$
- Side view top width:  $\phi 7.4 \pm 0.5$
- Side view bottom width:  $2.4 \pm 0.3$

**Callouts:**

- 1: Bottom flange
- 2: Bottom flange
- 3: Bottom flange
- 4: Bottom flange
- 5: Bottom flange
- 6: Bottom flange
- 7: Bottom flange

**Text:**

- REVISED CONFIGURATION

Technical drawing of a mechanical component, likely a pump or motor housing, showing a cross-section. The drawing includes dimension lines labeled A and B, indicating specific measurements or features.

CODE NO. (OLD)  
**DRAWING FOR REFERENCE**  
This is subject to change without notice

NOTE 1. THE REFERENCE NOS. ④ ⑤ ⑥ SHALL BE ATTACHED. DR. This