

|                                                                                                                                                                                     |                                                           |                                                                                                           |                                |                                                                                     |                                |            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------------------|-------------------------------------------------------------------------------------|--------------------------------|------------|
| APPLICABLE STANDARD                                                                                                                                                                 |                                                           |                                                                                                           |                                |                                                                                     |                                |            |
| RATING                                                                                                                                                                              | OPERATING TEMPERATURE RANGE                               |                                                                                                           | -55 °C TO 85 °C <sup>(1)</sup> | STORAGE TEMPERATURE RANGE                                                           | -10 °C TO 60 °C <sup>(2)</sup> |            |
|                                                                                                                                                                                     | VOLTAGE                                                   |                                                                                                           | 250 V AC                       | OPERATING HUMIDITY RANGE                                                            | 40 % TO 80 %                   |            |
|                                                                                                                                                                                     | CURRENT                                                   |                                                                                                           | 3 A                            | STORAGE HUMIDITY RANGE                                                              | 40 % TO 70 % <sup>(2)</sup>    |            |
|                                                                                                                                                                                     |                                                           |                                                                                                           |                                | APPLICABLE CABLE (AWG SIZE)                                                         | AWG22 TO 36                    |            |
| SPECIFICATIONS                                                                                                                                                                      |                                                           |                                                                                                           |                                |                                                                                     |                                |            |
| ITEM                                                                                                                                                                                |                                                           | TEST METHOD                                                                                               |                                | REQUIREMENTS                                                                        |                                | QT AT      |
| CONSTRUCTION                                                                                                                                                                        |                                                           |                                                                                                           |                                |                                                                                     |                                |            |
| GENERAL EXAMINATION                                                                                                                                                                 |                                                           | VISUALLY AND BY MEASURING INSTRUMENT.                                                                     |                                | ACCORDING TO DRAWING.                                                               |                                | x x        |
| MARKING                                                                                                                                                                             |                                                           | CONFIRMED VISUALLY.                                                                                       |                                |                                                                                     |                                | x x        |
| ELECTRIC CHARACTERISTICS                                                                                                                                                            |                                                           |                                                                                                           |                                |                                                                                     |                                |            |
| INSULATION RESISTANCE                                                                                                                                                               |                                                           | 500 V DC.                                                                                                 |                                | 1000 MΩ MIN.                                                                        |                                | x —        |
| VOLTAGE PROOF                                                                                                                                                                       |                                                           | 650 V AC FOR 1 min.                                                                                       |                                | NO FLASHOVER OR BREAKDOWN.                                                          |                                | x —        |
| ENVIRONMENTAL CHARACTERISTICS                                                                                                                                                       |                                                           |                                                                                                           |                                |                                                                                     |                                |            |
| DAMP HEAT (STEADY STATE)                                                                                                                                                            |                                                           | EXPOSED AT 40±2 °C, 90 ~ 95 %, 96 h.                                                                      |                                | ① INSULATION RESISTANCE: 1000 MΩ MIN.<br>② NO DAMAGE, CRACK AND LOOSENESS OF PARTS. |                                | x —        |
| RAPID CHANGE OF TEMPERATURE                                                                                                                                                         |                                                           | TEMPERATURE -65 → +15 ~ +35 → +125 → +15 ~ +35 °C<br>TIME 30 → 10 ~ 15 → 30 → 10 ~ 15 min UNDER 5 CYCLES. |                                |                                                                                     |                                | x —        |
|                                                                                                                                                                                     |                                                           |                                                                                                           |                                |                                                                                     |                                |            |
| COUNT                                                                                                                                                                               | DESCRIPTION OF REVISIONS                                  |                                                                                                           | DESIGNED                       |                                                                                     | CHECKED                        | DATE       |
|                                                                                                                                                                                     |                                                           |                                                                                                           |                                |                                                                                     |                                |            |
| REMARK <sup>(1)</sup> TEMPERATURE RISE INCLUDED WHEN ENERGIZED.<br><sup>(2)</sup> THIS STORAGE INDICATES A LONG-TERM STORAGE STATE FOR THE UNUSED PRODUCT BEFORE THE BOARD MOUNTED. |                                                           |                                                                                                           |                                | APPROVED                                                                            | HS. OKAWA                      | 12. 05. 24 |
|                                                                                                                                                                                     |                                                           |                                                                                                           |                                | CHECKED                                                                             | HT. YAMAGUCHI                  | 12. 05. 24 |
|                                                                                                                                                                                     |                                                           |                                                                                                           |                                | DESIGNED                                                                            | KJ. NISHIWAKI                  | 12. 05. 24 |
| Unless otherwise specified, refer to MIL-STD-202.                                                                                                                                   |                                                           |                                                                                                           |                                | DRAWN                                                                               | CR. TAKESHIMA                  | 12. 05. 24 |
| Note                                                                                                                                                                                | QT:Qualification Test AT:Assurance Test X:Applicable Test |                                                                                                           | DRAWING NO.                    |                                                                                     | ELC4-018777-01                 |            |
|                                                                                                                                                                                     | SPECIFICATION SHEET                                       |                                                                                                           | PART NO.                       | A1-10D-2. 54C                                                                       |                                |            |
|                                                                                                                                                                                     | HIROSE ELECTRIC CO., LTD.                                 |                                                                                                           | CODE NO.                       | CL619-0091-0-00 1/1                                                                 |                                |            |