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| △                     | REVISIONS                                       | BY  | CHKD  | DATE                | △                             | REVISIONS   | BY              | CHKD  | DATE |                                    |
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| △                     |   |   |   |                     | △                             |             |                 |       |      |                                    |
| APPLICABLE STANDARD   |   |   |   |                     |                               |             |                 |       |      |                                    |
| RATING                | VOLTAGE   | CONTACT No. — — —   | AC — — V  | DC — — V            | APPLICABLE CABLES             |             |                 |       |      | AWG #26~#30 (Insulation Dia 1 Max) |
|                       | CURRENT   | CONTACT No. — — —   | 2 A   |                     | IMPEDANCE FREQUENCY RANGE     |             | — Ω (0 ~ — Hz)  |       |      |                                    |
|                       | POWER   |   |   |                     | OPERATING TEMPERATURE RANGE   |             | -25 °C ~ +85 °C |       |      |                                    |
|                       | SPECIALTY                                       |   |   |                     |                               |             |                 |       |      |                                    |
| <b>SPECIFICATIONS</b> |   |   |   |                     |                               |             |                 |       |      |                                    |
| No.                   | ITEM  | CONDITIONS  |   |                     | TEST STANDARD                 | MIN         | MAX             | UNITS | QT   | AT                                 |
| 1                     | DESIGN-MATERIAL-FINISH                          | ADC<br>Applicable Std. and DC 3-25983   |   |                     |                               | —           | —               | —     | ○    | ○                                  |
| 2                     | MARKING   |   |   |                     |                               | —           | —               | —     | ○    | ○                                  |
| 3                     | INSULATION RESISTANCE                           | Must be over standard value at DC V.  |   |                     |                               | —           | —               | MΩ    | —    | —                                  |
| 4                     | CONTACT RESISTANCE                              | The voltage drop must be under the Std. value at DC 1 A.  |   |                     |                               | —           | 10              | mΩ    | ○    | —                                  |
|                       | CONTACT   | The voltage drop must be under the Std. value at DC A.  |   |                     |                               | —           | —               | mΩ    | —    | —                                  |
| 5                     | DIELECTRIC WITHSTANDING VOLTAGE                 | Must keep the AC DC V for one minute.   |   |                     |                               | —           | —               | —     | —    | —                                  |
| 6                     | V S W R   | Must be under the Std. value at frequency ~ Hz.   |   |                     |                               | —           | —               | —     | —    | —                                  |
| 7                     | INSERTION LOSS                                  | Must be under the Std. value at frequency ~ Hz.   |   |                     |                               | —           | —               | dB    | —    | —                                  |
| 8                     | LOW LEVEL CIRCUIT                               | The Contact Resistance must be under the Std. value at DC20mV less and mA.  |   |                     |                               | —           | —               | mΩ    | —    | —                                  |
| 9                     | CONTACT ENGAGEMENT AND SEPARATION FORCES        | Must be suitable for the Std. value at applicable gauge.  |   |                     |                               | —           | —               | gf    | —    | —                                  |
|                       | MATING AND UNMATING FORCES                      | Must be suitable for the Std. value.  |   |                     |                               | —           | —               | kgf   | —    | —                                  |
| 10                    | HUMIDITY  | Insulation resistance must be over the Std. value at °C ~ % hours.  |   | at high humidity    |                               | —           | —               | MΩ    | —    | —                                  |
|                       |   |   |   | after high humidity |                               | —           | —               | MΩ    | —    | —                                  |
| 11                    | VIBRATION                                       | Must have no damage, crack and looseness of parts at Frequency range ~ Hz, Total amplitude mm, G at hours for directions.                 |   |                     |                               | —           | —               | —     | —    | —                                  |
| 12                    | SHOCK   | Must have no damage, crack and looseness of parts G at times for directions.  |   |                     |                               | —           | —               | —     | —    | —                                  |
| 13                    | TEMPERATURE CYCLING                             | Must have no damage, crack and looseness of parts for ~ °C cycles.  |   |                     |                               | —           | —               | —     | —    | —                                  |
| 14                    | DURABILITY                                      | CONTACT   | Must be less than the Std. value after 1000 times insertion and extraction at the condition described in above item No.4. |                     | JIS C 5037                    | —           | 15              | mΩ    | ○    | —                                  |
|                       |   | CONTACT   |   |                     |                               | —           | —               | mΩ    | —    | —                                  |
| 15                    | SALT SPRAY (CORROSION)                          | Must not have heavy corrosion after 5 x salt water spray for 48 hours.  |   |                     | JIS C 5028                    | —           | —               | —     | ○    | —                                  |
| 16                    | WATER PRESSURE WITHSTANDING                     | No leakage at depth m kgf/cm <sup>2</sup> hours.  |   |                     |                               | —           | —               | —     | —    | —                                  |
| 17                    | AIR PRESSURE WITHSTANDING                       | No leakage at pressure kgf/cm <sup>2</sup> mmHg   |   |                     |                               | —           | —               | —     | —    | —                                  |
| 18                    | Crimped termination. Conductor tensil Strength. | The only Conductor part of suitable cable shall be crimped with the wire, an extraction force is applied which is more than the standard. |   |                     | AWG #30 (7/0.1)               | 1           | —               | —     | —    | —                                  |
|                       |   |   |   |                     | AWG #28 (7/0.12)              | 1.6         | —               | kgf   | ○    | —                                  |
|                       |   |   |   |                     | AWG #26 (7/0.16)              | 2.4         | —               | —     | —    | —                                  |
| REMARKS               |   | APPROVED  | <i>M. Yoshida</i> 4-23-91   |                     | <br>HIROSE ELECTRIC CO., LTD. | ISSUED BY   |                 |       |      |                                    |
|                       |   | REVIEWED  |   |                     |                               |             |                 |       |      |                                    |
|                       |   | CHECKED   | <i>M. Sato</i> 4-23-91  |                     |                               |             |                 |       |      |                                    |
|                       |   | DESIGNED  | <i>M. Onodera</i> 4-16-91   |                     |                               | PART No.    |                 |       |      |                                    |
|                       |   | DRAWN   | <i>E. Kawamura</i> 4-12-91  |                     |                               | HR10-PC-211 |                 |       |      |                                    |
| DRAWING No.           |   | SLC4-25983  |   |                     | SPECIFICATION SHEET           |             | CODE No.        |       |      | CL110-0516-9                       |