

| Δ COUNT |  | REVISIONS |  | BY | CHKD | DATE | Δ COUNT |  | REVISIONS |  | BY | CHKD | DATE |
|---------|--|-----------|--|----|------|------|---------|--|-----------|--|----|------|------|
| Δ       |  |           |  |    |      | .    | Δ       |  |           |  |    |      | .    |
| Δ       |  |           |  |    |      | .    | Δ       |  |           |  |    |      | .    |

  

|                     |           |                             |                       |
|---------------------|-----------|-----------------------------|-----------------------|
| APPLICABLE STANDARD |           |                             |                       |
| RATING              | VOLTAGE   | CONTACT No. / ~ *           | AC 250 V<br>DC V      |
|                     | CURRENT   | CONTACT No. / ~ *           | 3 A                   |
|                     | POWER     |                             |                       |
|                     | SPECIALTY |                             |                       |
|                     |           | APPLICABLE CABLES           |                       |
|                     |           | IMPEDANCE FREQUENCY RANGE   | Ω (0 ~ Hz)            |
|                     |           | OPERATING TEMPERATURE RANGE | -35℃ ~ +85℃ (Notes:1) |

  

### SPECIFICATIONS

| No. | ITEM                                     | CONDITIONS                                                                                                                       | TEST STANDARD | MIN  | MAX | UNITS | QT. | AT |
|-----|------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|---------------|------|-----|-------|-----|----|
| 1   | DESIGN-MATERIAL-FINISH                   | ADC<br>Applicable std. and <del>dc</del> 3-160092-02                                                                             |               | —    | —   | —     | ○   | ○  |
| 2   | MARKING                                  |                                                                                                                                  |               | —    | —   | —     | ○   | ○  |
| 3   | INSULATION RESISTANCE                    | Must be over standard value at DC 500V.                                                                                          | MIL-STD-1344  | 1000 | —   | MΩ    | ○   | —  |
| 4   | CONTACT RESISTANCE<br>UNIT CONTACT       | The voltage drop must be under the std. value at DC 0.1 A.                                                                       | MIL-STD-1344  | —    | 30  | mΩ    | ○   | —  |
|     | CONTACT                                  | The voltage drop must be under the std. value at DC A.                                                                           |               | —    | —   | mΩ    | —   | —  |
| 5   | DIELECTRIC WITHSTANDING VOLTAGE          | Must withstand AC 650V for one minute.                                                                                           | MIL-STD-1344  | —    | —   | —     | ○   | —  |
| 6   | LOW LEVEL CIRCUIT                        | The Contact Resistance must be under the std. value at DC20mV less and mA.                                                       |               | —    | —   | mΩ    | —   | —  |
| 7   | DRY CIRCUIT                              | Must have conductivity in alternate current at DC μV.                                                                            |               | —    | —   | —     | —   | —  |
| 8   | CONTACT ENGAGEMENT AND SEPARATION FORCES | Must be suitable for the std. gauge size value at applicable gauge.                                                              |               | —    | —   | gf    | —   | —  |
|     | MATING AND UNMATING FORCES               | Must be suitable for the std. value.                                                                                             |               | —    | —   | kof   | —   | —  |
| 9   | HUMIDITY                                 | Insulation resistance must be over the std. value at 40±2℃ 90~95%, 96 hours. at high humidity after high humidity                | MIL-STD-1344  | 1000 | —   | MΩ    | ○   | —  |
| 10  | VIBRATION                                | Must have no damage, crack and looseness of parts at Frequency range 10~55 Hz, amplitude 0.75mm, —G at 2 hours for 3 directions. | MIL-STD-1344  | —    | —   | —     | ○   | —  |
| 11  | SHOCK                                    | Must have no damage, crack and looseness of parts after 3 cycles at 490m/s <sup>2</sup> in 3 directions.                         | MIL-STD-1344  | —    | —   | —     | ○   | —  |
| 12  | TEMPERATURE CYCLING                      | Must have no damage, crack and looseness of parts for -55~+85℃ 5 cycles.                                                         | MIL-STD-1344  | —    | —   | —     | ○   | —  |
| 13  | DURABILITY<br>UNIT CONTACT<br>CONTACT    | Must be less than the std. value after 30 insertion and extraction cycles at the condition described in above item No.4.         | MIL-STD-1344  | —    | 30  | mΩ    | ○   | —  |
| 14  | SALT SPRAY (CORROSION).                  | Must not have heavy corrosion after salt water spray for hours.                                                                  |               | —    | —   | —     | —   | —  |
| 15  | H <sub>2</sub> S-EXPOSURE                | Must not have heavy corrosion after ppm for hours.                                                                               |               | —    | —   | —     | —   | —  |
| 16  | SO <sub>2</sub> -EXPOSURE                | Must not have heavy corrosion after ppm for hours.                                                                               |               | —    | —   | —     | —   | —  |

  

Notes:1  
This temperature includes a rise by heat's generation of connector when electricity passes.

  

|                |          |                            |                                                                                                |               |
|----------------|----------|----------------------------|------------------------------------------------------------------------------------------------|---------------|
| REMARKS        | APPROVED | <i>H. Yamamoto</i> 94.3.25 | <div style="font-size: 2em; font-weight: bold;">HRS</div> <div>HIROSE ELECTRIC CO., LTD.</div> | ISSUED BY     |
|                | REVIEWED |                            |                                                                                                |               |
|                | CHECKED  | <i>J. Oma</i> 94.3.25      |                                                                                                |               |
|                | DESIGNED | <i>M. Gotoh</i> 94.3.24    |                                                                                                |               |
|                | DRAWN    | <i>M. Gotoh</i> 94.3.24    |                                                                                                |               |
| DRAWING No.    |          | PART No.                   |                                                                                                |               |
| SLC4-160092-02 |          | DF1B-X-DS-2.5RC            |                                                                                                |               |
|                |          | CODE No.                   |                                                                                                | 0600 4        |
|                |          |                            |                                                                                                | CL541-0650-2- |

  

SPECIFICATION SHEET

NOTE QT:Qualification Test AT:Assurance Test O:Applicable item FORM No.

TO