

| Δ | Δ | REVISIONS | BY | CHKD | DATE | Δ | Δ | REVISIONS | BY | CHKD | DATE |
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APPLICABLE STANDARD

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

SPECIFICATIONS

| No. | ITEM                                     | CONDITIONS   | TEST STANDARD | MIN  | MAX | UNITS | QT. | AT |
|-----|--|--|---------------|------|-----|-------|-----|----|
| 1   | DESIGN-MATERIAL-FINISH                   | ADC<br>Applicable std. and <del>3</del> 3-160094-02  |               | -    | -   | -     | ○   | ○  |
| 2   | MARKING                                  |  |               | -    | -   | -     | ○   | ○  |
| 3   | INSULATION RESISTANCE                    | Must be over standard value at DC 500V.  | MIL-STD-1344  | 1000 | -   | MΩ    | ○   | -  |
| 4   | CONTACT RESISTANCE                       | The voltage drop must be under the Std. value at DC 0.1 A.   | MIL-STD-1344  | -    | 30  | mΩ    | ○   | -  |
|     | UNIT CONTACT                             | The voltage drop must be under the Std. value at DC A.   |               | -    | -   | mΩ    | -   | -  |
| 5   | DIELECTRIC WITHSTANDING VOLTAGE          | Must withstand AC <del>6</del> 650V for one minute.  | MIL-STD-1344  | -    | -   | -     | ○   | -  |
| 6   | LOW LEVEL CIRCUIT                        | The Contact Resistance must be under the Std. value at DC 20mV 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.   |               | -    | -   | kgf   | -   | -  |
| 9   | HUMIDITY                                 | Insulation resistance must be over the Std. value at 40±2°C, 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 in 3 directions.                                      | MIL-STD-1344  | -    | -   | -     | ○   | -  |
| 12  | TEMPERATURE CYCLING                      | Must have no damage, crack and looseness of parts for -55~+85°C, 5 cycles.   | MIL-STD-1344  | -    | -   | -     | ○   | -  |
| 13  | DURABILITY UNIT CONTACT 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 | 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. SLC4-160094-02 |          |                    |         | SPECIFICATION SHEET              |  |
| PART No. DF1B-DES-2.5RC    |          |                    |         | CODE No. 0346 1<br>CL541-0362-8- |  |

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