

| COUNT | | REVISIONS | | BY | CHKD | DATE | COUNT | | REVISIONS | | BY | CHKD | DATE |
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| APPLICABLE STANDARD | | | |
| RATING | VOLTAGE | CONTACT No. / ~ * | AC 250 V 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 Applicable Std. and 3-160056-01 | | — | — | — | ○ | ○ |
| 2 | MARKING | | | — | — | — | ○ | ○ |
| 3 | INSULATION RESISTANCE | Must be over standard value at DC 500V. | MIL-STD-1344 | 1000 | — | MΩ | ○ | — |
| 4 | CONTACT RESISTANCE 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. 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 490 1/2 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 UNIT 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 | ○ | — |
| | CONTACT | | | — | — | mΩ | — | — |
| 14 | SALT SPRAY (CORROSION). | Must not have heavy corrosion after salt water spray for hours. | | — | — | — | — | — |
| 15 | H ₂ S-EXPOSURE | Must not have heavy corrosion after ppm for hours. | | — | — | — | — | — |
| 16 | SO ₂ -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.

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| REMARKS | APPROVED | H. Yamamoto | 94.3.25 | ISSUED BY |
| | REVIEWED | | | |
| | CHECKED | T. Oma | 94.3.25 | |
| | DESIGNED | M. Gotoh | 94.3.24 | |
| | DRAWN | M. Gotoh | 94.3.24 | |

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| DRAWING NO. | SPECIFICATION SHEET | PART NO. | |
| | | DF1B-★DEP-2.5RC | |
| SLC4-160056-01 | | CODE No. | 0350 9 |
| | | CL541- | 0377 5- |

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

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