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| APPLICABLE STANDARD | | | | | | | |
| RATING | VOLTAGE | CONTACT No. / ~ * | AC 250 V 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 Applicable std. and DC 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 DC 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 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 | <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 | |
| | | | |  HIROSE ELECTRIC CO., LTD. |
| | | | | |
| | | | | DF1B-DES-2.5RC |
| DRAWING No. | | | | CODE No. |
| SLC4-160094-02 | | | | 0346 1 CL541-0362-8- |
| SPECIFICATION SHEET | | | | |

TO

