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In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

| | △COUNT | REVISIONS | BY | CHKD | DATE | | △COUNT | REVISIONS | BY | CHKD | DATE |
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APPLICABLE STANDARD

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

# SPECIFICATIONS

| No. | ITEM | CONDITIONS | TEST STANDARD | MIN | MAX | UNITS | QT | AT |
|---|---|---|---|---|---|---|---|---|
| 1 | DESIGN·MATERIAL·FINISH | Applicable Std. and ADC ~~DC~~ 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 ~~DC~~ 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. (gauge size) | | — | | 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℃ 90～95 %. 96 hours. (at high humidity) | | | — | MΩ | — | — |
| | | (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 m/s² 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 | H₂S-EXPOSURE | Must not have heavy corrosion after ppm for hours. | | — | — | — | — | — |
| 16 | SO₂-EXPOSURE | Must not have heavy corrosion after ppm for hours. | | — | — | — | — | — |

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

| REMARKS | | | |
|---|---|---|---|
| | APPROVED | H. Yamamoto | 94.3.26 |
| | REVIEWED | | . . |
| | CHECKED | Y. Oma | 94.3.25 |
| | DESIGNED | M. Gotoh | '94.3.24 |
| | DRAWN | M. Gotoh | '94.3.24 |

HRS HIROSE ELECTRIC CO., LTD.

ISSUED BY

PART No. DF1B-※-DEP-2.5RC

DRAWING No. SLC4-160056-01

SPECIFICATION SHEET

CODE No. 0350 9 / 0377 -5- CL541-

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

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