| COUNT | | REVISI | ONS | NS BY CHKD DA | | | | | | REVISIONS | | | ВҮ | BY CHKD DATE | | |
|---|--|------------------|---|-------------------|-----------|---------------|------------|--|---------|--|------------|-------------|------------|--------------|--------------|----------|
| | | | tve t | 1 | , | | | | | | | | _ | | | • |
| Δ | | | | | | <u> </u> | | | | | | | | | • | • |
| APPLICABLE STANDARD | | | | | | | | | | | | | | | | |
| | | VOLTAGE | | DC AC 3 C | V | | | AF | PLICABL | E CABLES | | | | | | |
| | | CURRENT | CONTACT NO. 1 ~ 4 0 3 A OPERATING TEMPERATURE RANGE - 55 ℃~ +85 | | | | | | | | | | 5 ℃ | | | |
| RA | TIN | POWER | | | | | | | | | | | | | | |
| | | SPECIALTY | | | | | | | | • | | | | | | |
| | | | | <u> </u> | PF | CIE | T | <u></u> Δ | TIC |) N S | | | | | | |
| <u></u> | | | SPECIFICATIO | | | | | | | | | ı | | T | T 1 | |
| No. | I | TEM | CONDITIONS | | | | | | | TEST STA | NDARD | MIN | MAX | UNITS | QT | AT |
| 1 | DESIGN-MATERIAL-FINISH | | Applicable Std. and $_{DC3}^{ADC}$ - 16959 | | | | | | | | | | | <u> </u> | 0 | 0 |
| 2 | М | ARKING | DC 3 1 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 | | | | | | | | | _ | | | 0 | 0 |
| 3 | INSULA | TION RESISTANCE | Must be over standard value at DC 500V. | | | | | | | MIL-ST | D 1344 | 1000 | | МΩ | 0 | |
| | CONTACT RESISTANCE CONTACT | | The voltage drop must be under the Std. value | | | | | | | MIL-ST | D | _ | 1 5 | mΩ | 0 | |
| 4 | | | at DC O. The voltage | | 1344 | | - | | - | | | | | | | |
| | | | at DC | | | _ | | mΩ | | | | | | | | |
| 5 | | RIC WITHSTANDING | Must keep | MIL-ST | | _ | _ | _ | 0 | | | | | | | |
| H | VOLTAG | E | | MIL-ST | 1344 D | | | | - | | | | | | | |
| 6 | LOW L | EVEL CIRCUIT | The Contact Resistance must be under the Std. value at DC 20 mV less and 1 mA. | | | | | | | 1 - | 1344 | | | mΩ | | |
| 7 | DRY (| CIRCUIT | Must have o | | | _ | _ | * | | | | | | | | |
| \vdash | CONTACT ENGAGEMENT AND SEPARATION FORCES | | | current at DC #V. | | | | | | | | | | <u> </u> | + | |
| 8 | | | Must be suitable for the Std. yalue at applicable gauge. | | | | | | | h | | | | N | | |
| | | | | | | | | | | | | | | | | |
| | MATING AND UNMATING FORCES | | Must be suitable for the Std. MATING value. | | | | | | NG | | | _ | | | | |
| | | | | | | | | | TING | 1 . | | | | N | | |
| | | | Insulation | | | | | | | | | | | МΩ | - | _ |
| 9 | HUMIDITY | | be over the Std. value at | | | | | | | MIL-STD -1344 | | | | | | |
| | | | 40±2°, 90~95%, 96 hours. after high humidity | | | | | | | =1, | | 1000 | | MΩ | 0 | ļ — |
| 10 | VIBRATION | | Must have no damage, crack and looseness of parts at Frequency range 10 ~ 55 Hz, Total | | | | | | | MIL-ST | | _ | _ | - | 0 | |
| | | | amplitude1. | -1344 | | | | ļ | | | | | | | | |
| 11 | S | носк | Must have no damage, crack and looseness of parts 490 m/s at3 times for3 directions. | | | | | | | MIL-ST | D -1344 | - | - | - | 0 | - |
| \vdash | | | Must have no damage, crack and looseness of parts for -55 ~ +85 ℃, 5 cycles, total 5 hours. | | | | | | | MIL-ST | | | | | | |
| 12 | | RATURE CYCLING | | | | | | | | _ | -1344 | | | | 0 | <u> </u> |
| 1 | CONTACT | | Must be less than the Std. value after 500 times insertion and extraction at the condition | | | | | | | M]L-ST | -1344 | | 1 5 | mΩ | 0 | |
| 13 | | | described i | | | - | | mΩ | | | | | | | | |
| 14 | l | T SPRAY | Must not ha | % | MIL-ST | TD -1344 | _ | _ | | 0 | _ | | | | | |
| - | (00 | RROSION) | sait water spray for 48 hours. Must not have heavy corrosion after | | | | | | | | -1344 | | | + | + | +- |
| 15 | H2S | -EXPOSURE | SURE ppm for hours. | | | | | | | | | | | | <u> </u> | |
| 16 | SO2 | -EXPOSURE | Must not have heavy corrosion after | | | | | | | | | - | | — | | — |
| | <u> </u> | | ppm for hours. | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | i | |
| | | | - | | | | | | | | | | | | | |
| REN | ARKS | | APPROVED 2 24/100140 67 .5 ./ | | | | | | | .L | | | 1 | ISSUE | D B | 1 |
| | | | REVIEWED | | | | | | | HIROSE ELECTRIC CO., LTD. | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | NED | , | <u>okamur</u> | | | | | | | | | | |
| DRAWN H, KAWACHINO 92: 3:31 PART NO. H, KAWACHINO 92: 3:31 H I F4-40P-3.18 | | | | | | | | | | | | 00 | ~ A | | | |
| | 2.414. | C. No. | DRAWN | 1 | H, KA | AWACHIN | 9 2 | 2: 3 | :31 F | 11-4- DE No. | -40 |)P-(| <u>3.1</u> | 808 | <u>.</u> А | |
| - 1 | RAWIN | 1695 | 9 _ SP | ECI | FIC | OITAC | 1 5 | SHE | | C L 56 | 3- | -00 | 31 | -8- | _ | |

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