Sep.1.2022 Copyright 2022 HIROSE ELECTRIC CO., LTD. All Rights Reserved.
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 |
|---|---|---|---|---|---|---|---|---|---|
| △ | | | | . . | △ | | | | . . |
| △ | | | | . . | △ | | | | . . |

APPLICABLE STANDARD

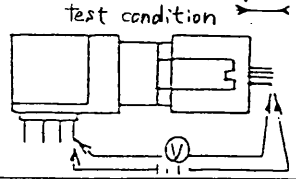
| RATING | | | | | | |
|---|---|---|---|---|---|---|
| | VOLTAGE | CONTACT No. 1 ~ 20 | AC 250 V / DC V | | APPLICABLE CABLES | UL2789 AWG No.28 |
| | CURRENT | CONTACT No. 1 ~ 20 | 0.5 A | | IMPEDANCE FREQUENCY RANGE | Ω (O~ Hz) |
| | POWER | | | | OPERATING TEMPERATURE RANGE | -55℃~ 85℃ |
| | SPECIALTY | | | | | |

# SPECIFICATIONS

| No. | ITEM | CONDITIONS | | TEST STANDARD | MIN | MAX | UNITS | QT | AT |
|---|---|---|---|---|---|---|---|---|---|
| 1 | DESIGN·MATERIAL·FINISH | Applicable Std. and ADC DC3-42472 | | | — | — | — | O | O |
| 2 | MARKING | | | | — | — | — | O | O |
| 3 | INSULATION RESISTANCE | Must be over standard value at DC 500 V. | | MIL-STD-202 -302 A | 500 | — | MΩ | O | O |
| 4 | CONTACT RESISTANCE Unit CONTACT | The voltage drop must be under the Std. value at DC 0.1 A. | | | — [1] | 35 | mΩ | O | O |
| | CONTACT | The voltage drop must be under the Std. value at DC A. | | | — | | mΩ | — | — |
| 5 | DIELECTRIC WITHSTANDING VOLTAGE | Must keep the AC ~~DC~~ 500 V for one minute. | | MIL-STD-202 -301 | — | — | — | O | O |
| 6 | VSWR | Must be under the Std. value at frequency ~ Hz. | | | — | — | — | — | — |
| 7 | INSERTION LOSS | Must be under the Std. value at frequency ~ Hz. | | | — | — | dB | — | — |
| 8 | LOW LEVEL CIRCUIT | The Contact Resistance must be under the Std. value at DC20mV less and mA. | | | — | — | mΩ | — | — |
| 9 | 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. | | | 0.8 | 3.0 | kgf | O | |
| 10 | HUMIDITY | Insulation resistance must be over the Std. value at 40℃ 90 ~ 95 %. 96 hours. | at high humidity | MIL-STD-202 -103 (B) | 1 | — | MΩ | O | — |
| | | | after high humidity | | 100 | — | MΩ | O | — |
| 11 | VIBRATION | Must have no damage, crack and looseness of parts at Frequency range 10~ 55 Hz. Total amplitude 1.52 mm, —G at 2 hours for 3 directions. | | MIL-STD-202 -201A | — | — | — | O | — |
| 12 | SHOCK | Must have no damage, crack and looseness of parts 50 G at 3 times for 3 directions. | | MIL-STD-202 -213B (A) | — | — | — | O | — |
| 13 | TEMPERATURE CYCLING | Must have no damage, crack and looseness of parts for -55~ 85℃. 5 cycles. | | MIL-STD-202 -102A (D) | — | — | — | O | — |
| 14 | DURABILITY Unit CONTACT | Must be less than the Std. value after 1000 times insertion and extraction at the condition described in above item No.4. | | | — [1] | 35 | mΩ | O | — |
| | CONTACT | | | | — | — | mΩ | — | — |
| 15 | SALT SPRAY (CORROSION) | Must not have heavy corrosion after 5 % salt water spray for 48 hours. | | MIL-STD-202 -101D (B) | — | — | — | O | — |
| 16 | WATER PRESSURE WITHSTANDING | No leakage at depth m kgf/cm² hours. | | | — | — | — | — | — |
| 17 | AIR PRESSURE WITHSTANDING | No leakage at pressure kgf/cm² mmHg min sec | | | — | — | — | — | — |

REMARKS

[1] Contact resistance (10) test condition




| | | |
|---|---|---|
| APPROVED | A. Nakazawa | 10.6.90 |
| REVIEWED | S. Kikuta | 10.7.90 |
| CHECKED | M, Nakamura | 10.6.90 |
| DESIGNED | N, NISIMATU | 10.4.90 |
| DRAWN | | . . |

HIROSE ELECTRIC CO., LTD.

ISSUED BY

PART No. DX30AM-20P

DRAWING No. SLC4-42472-

SPECIFICATION SHEET

CODE No. CL230-5025-7-

NOTE QT: Qualification Test AT: Assurance Test O: Applicable item

FORM No.