



TIME DELAY RELAYS

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| CUSTOMER DATA SHEET | |
| DRWN. | ASB 16 MAY 02 |
| APPL. | MB 5/0/02 |
| ENG. | 103 |
| CII Technologies <small>advanced control electronic solutions</small> | |
| 5605-E-1002 | |

SUPERSEDING
 NOT the **LATEST**
REVISION

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|-----|------------------------------|----|---|
| SH | 2 | OF | 2 |
| NO. | REVISION | | |
| 0 | FIRST RELEASE | | |
| 0 | SEE SHEET 1 FOR REVISIONS | | |

1.0 DESCRIPTION: THIS DATA SHEET ESTABLISHES THE REQUIREMENTS FOR A TIME DELAY RELAY, DELAY ON RELEASE, FIXED TIMING, RELAY OUTPUT.

2.0 APPLICABLE DOCUMENTS

2.1 MIL-R-5757, SPECIFICATIONS FOR ELECTRO-MECHANICAL RELAYS.

2.2 MIL-STD-202, TEST METHODS FOR ELECTRICAL AND ELECTRONIC COMPONENTS.

3.0 ELECTRICAL SPECIFICATIONS:

3.1 TIMING: $10.0 \pm 10\%$ SECOND DELAY "ON" RELEASE AFTER THE REMOVAL OF CONTROL POWER

3.2 RESET TIME: 20 MSEC MAX

3.3 INPUT VOLTAGE: 18 VDC - 31 VDC

3.4 CONTACT CONFIGURATION: SINGLE-POLE, DOUBLE THROW (SPDT)

3.5 CONTACT LOAD RATING: 5 A@ 30 VDC RESISTIVE

3.6 CONTACT LIFE: 100,000 OPERATIONS

4.0 ENVIRONMENTAL SPECIFICATIONS

4.1 INSULATION RESISTANCE: 1000 MEGOHM AT 500 VDC

4.2 DIELECTRIC STRENGTH: 1000 VRMS BETWEEN TERMINALS AND CASE

4.3 TEMPERATURE: OPERATING -55°C TO $+85^{\circ}\text{C}$

4.4 VIBRATION: 20G PER MIL-STD-202 METHOD 204, COND. A, 10 HZ TO 2000 HZ

4.5 SHOCK: 50G HALF SINE, 11 MSEC PER MIL-STD METHOD 213 COND. C

4.6 SEALING: INTERNAL RELAY SHALL BE HERMETICALLY SEALED IAW MIL-R-5757. THE HYBRID ASSEMBLY SHALL BE ENCAPSULATED IN HEAT CONDUCTIVE EPOXY AND THE EXTERNAL PACKAGE SHALL ALSO BE HERMETICALLY SEALED.

5.0 PHYSICAL CHARACTERISTICS

5.1 CASE FINISH: BLACK, EPOXY POLYAMID, SEMI-GLOSS

5.2 TERMINAL FINISH: HOT SOLDER DIP, 60/40

5.3 WEIGHT: 240 GRAMS (8.5 OZ) MAX.

5.4 OUTLINE AND MOUNTING DIMENSIONS: SEE FIGURE 1

6.0 MARKING: MARKING SHALL INCLUDE THE FOLLOWING INFORMATION

DEVICE NOMENCLATURE: TIME DELAY RELAY

OPERATING VOLTAGE RANGE

CII PART NUMBER

CII CAGE CODE

CIRCUIT DIAGRAM

DATE CODE

MAX AC LOAD CONTACT RATING

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