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EIA SPECIFICATION

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Sectional Specification for Toggle, Paddle and Rocker Switches of Certified Quality

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SECTIONAL SPECIFICATION FOR
TOGGLE, PADDLE AND ROCKER SWITCHES
OF CERTIFIED QUALITY

This EIA Sectional Specification has been coordinated with the work of the IEC 48C Subcommittee on Electromechanical Switches.

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SECTIONAL SPECIFICATION FOR
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OF CERTIFIED QUALITY

(From Standards Proposal No. 1811, formulated under the cognizance of the EIA P-13.2, Working Group on Slide, Rocker and Toggle Switches.)

1.0 SECTION ONE - SCOPE AND OBJECT

1.1 Scope

This Sectional Specification relates to the toggle, paddle and rocker operated family of special-use electro-mechanical switches of certified quality. These families of switches are for use in electrical or electronic equipment, including switches to control power supply voltage. These switches are not intended to be used in electrical distribution systems.

Switches covered by this Specification have a rated voltage not exceeding 500 volts, and a rated current not exceeding 25 amperes (dc or rms values).

1.2 Object

The object of this Specification is to:

- a) prescribe applicable preferred ratings and characteristics;
- b) select the appropriate tests which may be applicable to this family of switches; and
- c) prescribe general performance requirements for these switches.

Test severities and performance requirements prescribed in Detail Specifications referring to this Sectional Specification shall be equal to or greater than those specified herein; degradations are not permitted.

2.0 SECTION TWO - GENERAL

2.1 Related Documents

The following documents of the issue in effect form a part of the Specification to the extent specified herein:

EIA-52000000 Generic Specification for Special-Use
Electromechanical Switches of
Certified Quality.

2.2 Units and Symbols

The requirements of EIA-52000000 shall apply.

2.3 Terminology

Terminology shall be in accordance with the issue in effect of the following publication:

EIA-52000000 Generic Specification for Special-Use
Electromechanical Switches of
Certified Quality.

Terminology peculiar to the toggle, slide or rocker operated switch families is defined in Appendix A.

2.4 Preferred Values

2.4.1 Rated Voltage:

The following voltage ratings are preferred for switches with rated voltages above 50 volts: 125, 250, 277, 440, and 480. For logic level rated switches, the preferred voltage is 5 volts dc. For low level rated switches, the preferred voltage is 30 millivolts dc.

2.4.2 Rated Current:

The following current ratings are preferred:

1.0 ampere or less - manufacturer's option
above 1.0 ampere - in 1.0 ampere increments