



ANSI/EIA-520AAAB-A-1991
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EIA SPECIFICATION

EIA-520AAAB-A

Detail Specification for Nonsensitive Pushbutton Switch Momentary Contact

EIA-520AAAB-A

(Revision of EIA-520AAAB)

OCTOBER 1991

ELECTRONIC INDUSTRIES ASSOCIATION
ENGINEERING DEPARTMENT



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DETAIL SPECIFICATION
NUMBER
EIA-520AAAB-A

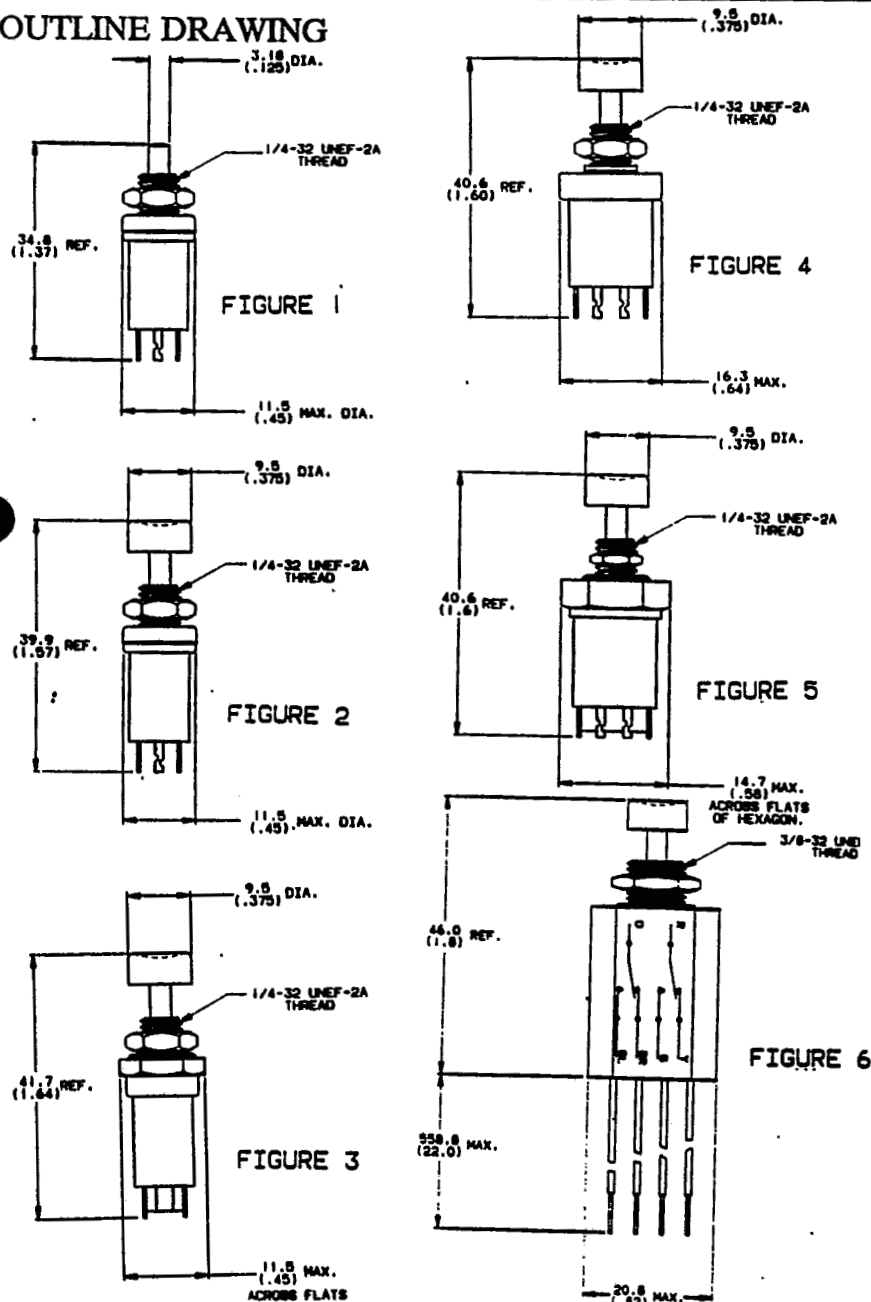
GENERIC SPECIFICATION NUMBER

ELECTRONIC COMPONENTS OF ASSESSED
QUALITY IN ACCORDANCE WITH:
EIA-5200000

BLANK DETAIL
SPECIFICATION NUMBER

EIA-520AA00

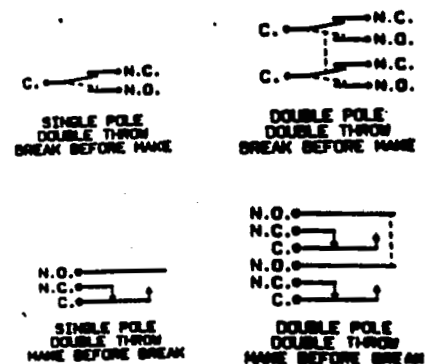
OUTLINE DRAWING



PRODUCT DESCRIPTION

Nonsensitive Pushbutton Switch.
Double-throw Contacts.
Momentary Contact.
Up to 250 mA Current Rating.
Up to 115 Vac Voltage Rating.
Wiping Contacts.
Sealed and Unsealed.

ELECTRICAL CIRCUIT



TYPICAL CONSTRUCTION

Plastic Base and Actuator.
Metal Mounting Terminal.
Solder Lug Terminations.

APPLICATION/ASSESSMENT LEVEL

INFORMATION ON THE AVAILABILITY OF COMPONENTS QUALIFIED TO
THIS SPECIFICATION IS GIVEN IN THE QUALIFIED PRODUCTS

INTRODUCTION

(From EIA Standards Proposal No. 2276-A, formulated under the cognizance of the EIA P-13.3 Subcommittee on Sensitive, Pushbutton and Keyboard Switches.)

The complete requirements for the switches described herein consist of this detail specification; the latest issue of EIA 520A000, Sectional Specification for Pushbutton Switches of Certified Quality; and the latest issue of EIA 5200000, Generic Specification, Special Use Electromechanical Switches of Certified Quality.

1. GENERAL

1.1 SCOPE

The family of momentary contact, non-sensitive pushbutton switches covered by this detail specification:

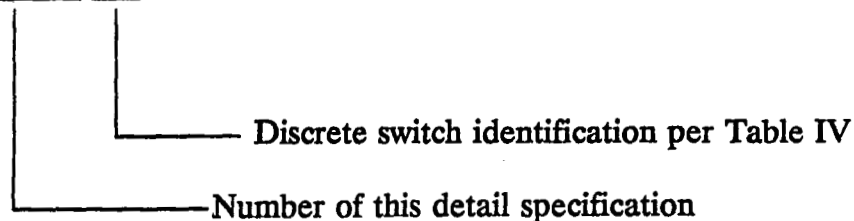
- a) mount in a panel hole with a clearance diameter for a 1/4-32UNEF-2A thread.
- b) have a maximum rated voltage of 115 Vac.
- c) have a maximum rated current of 250 mA.

1.2 TYPE DESIGNATION

Switches covered by this detail specification shall be identified as follows and in the order shown:

- a) the number of this detail specification.
- b) discrete switch identification per Table IV.

EXAMPLE: EIA 520AAB 010



1.3 MARKING

The marking of the switch and containing package shall be in accordance with paragraph 2.5 of Generic Specification EIA-5200000.

1.4 ORDERING INFORMATION

Orders for switches covered by this specification shall contain the following information as a minimum:

- a) the applicable part number per paragraph 1.2.
- b) when certified records of released lots are required, include "CERTIFIED RECORDS REQUIRED".

1.5 CERTIFIED RECORD OF RELEASED LOTS - Not Applicable

1.6 SAFETY CONSIDERATIONS

The user shall consider the suitability of the switch with regard to any safety requirements applicable to the end use equipment.

1.7 COMMON FEATURES - See cover page

1.8 DIMENSIONAL PARAMETERS - See Figures 1 thru 6

1.9 RATINGS and CHARACTERISTICS

1.9.1 RATINGS

- * Altitude - Not Applicable
- * Electrical - power - 115 Vac, 250 mA
- * Electrical - logic level - 5 Vdc, 10 mA
- * Electrical - low level - 30 mVdc, 10 mA
- * Flammability - Plastic materials certified per UL94 V2 or better.
- * Fluid resistance - Not Applicable
- * Fungus resistance - Not Applicable