

**AMERICAN NATIONAL
STANDARD**

ANSI/EIA-520AAAA-A-1991

APPROVED: May 31, 1991

EIA SPECIFICATION

Detail Specification for Nonsensitive Pushbutton Switch Single-Pole Contact

EIA-520AAAA-A

(Revision of EIA-520AAAA)

JUNE 1991

ELECTRONIC INDUSTRIES ASSOCIATION
ENGINEERING DEPARTMENT



Approved For Use In
The NECQ System



NOTICE

EIA Engineering Standards and Publications are designed to serve the public interest through eliminating misunderstandings between manufacturers and purchasers, facilitating interchangeability and improvement of products, and assisting the purchaser in selecting and obtaining with minimum delay the proper product for his particular need. Existence of such Standards and Publications shall not in any respect preclude any member or non-member of EIA from manufacturing or selling products not conforming to such Standards and Publications, nor shall the existence of such Standards and Publications preclude their voluntary use by those other than EIA members, whether the standard is to be used either domestically or internationally.

Recommended Standards and Publications are adopted by EIA without regard to whether their adoption may involve patents on articles, materials, or processes. By such action, EIA does not assume any liability to any patent owner, nor does it assume any obligation whatever to parties adopting the Recommended Standard or Publication.

This EIA Specification is considered to have International Standardization implication, but the International Electrotechnical Commission activity has not progressed to the point where a valid comparison between the EIA Specification and the IEC document can be made.

This Specification does not purport to address all safety problems associated with its use or all applicable regulatory requirements. It is the responsibility of the user of this Specification to establish appropriate safety and health practices and to determine the applicability of regulatory limitations before its use.

COPYRIGHT 1991

Published by

ELECTRONIC INDUSTRIES ASSOCIATION
Engineering Department
2001 Pennsylvania Avenue N.W.
Washington, D.C. 20006

PRICE: Please refer to the current
Catalog of EIA & JEDEC STANDARDS & ENGINEERING PUBLICATIONS
or call the EIA STANDARDS SALES DEPARTMENT (202/457-4966)

All rights reserved
Printed in U.S.A.

PLEASE!

**DON'T VIOLATE
THE
LAW!**

This document is copyrighted by the EIA and may not be reproduced without permission.

Organizations may obtain permission to reproduce a limited number of copies through entering into a license agreement with the EIA.

Interested organizations should contact:

EIA Standard Sales Office
2001 Pennsylvania Ave., N.W.
Washington, D.C. 20006
(202)457-4966

Requesting a copy of the agreement.



Documents
Document Sharing Hub

SYSTEM STANDARDS ORGANIZATION
ELECTRONIC INDUSTRIES ASSOCIATION
2001 Pennsylvania Ave., N.W.
Washington, D.C. 20006

DETAIL SPECIFICATION
NUMBER
EIA-520AAAA-A

GENERIC SPECIFICATION NUMBER

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

BLANK DETAIL
SPECIFICATION NUMBER

EIA-520AA00

OUTLINE DRAWING

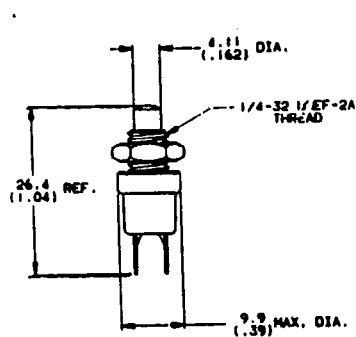


FIGURE 1
PART -001, -002

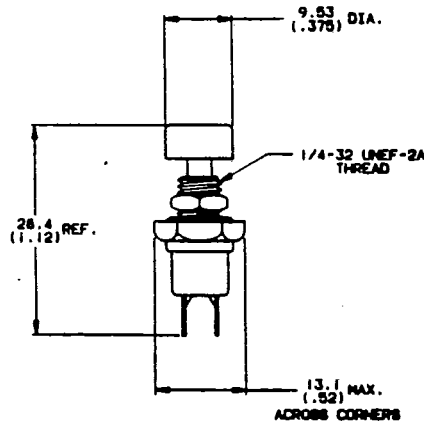


FIGURE 4
PART -007, -008

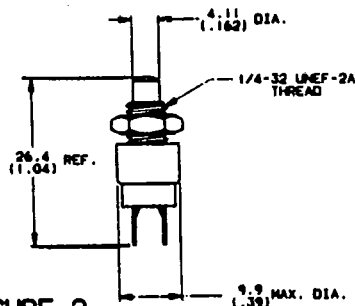


FIGURE 2
PART -003, -004

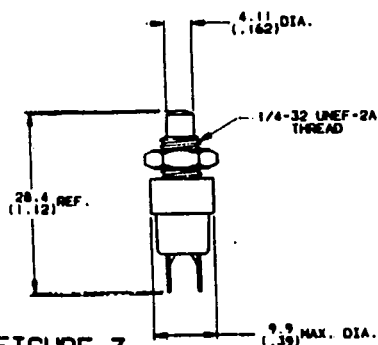


FIGURE 3
PART -005, -006

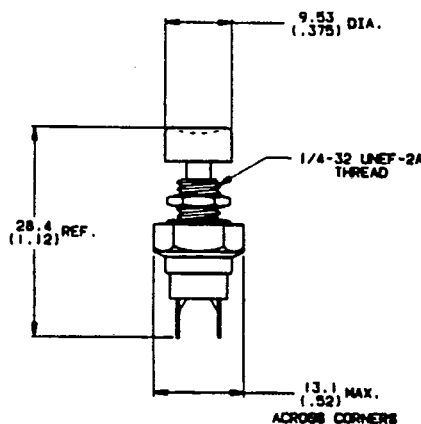


FIGURE 5
PART -009, -010

PRODUCT DESCRIPTION

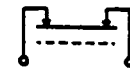
Nonsensitive Pushbutton Switch.
Single-Pole Contacts.
Momentary Contact.
Up to 1 A Current Rating.
Up to 115 Vac Voltage Rating.
Butt-type Contacts.
Sealed and Unsealed.
Low Level Rating

ELECTRICAL CIRCUIT CIRCUIT DIAGRAM



SINGLE POLE
SINGLE THROW
NORMALLY OPEN

CIRCUIT DIAGRAM



SINGLE POLE
SINGLE THROW
NORMALLY CLOSED

TYPICAL CONSTRUCTION

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

APPLICATION/ASSESSMENT LEVEL

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

INTRODUCTION

(From EIA Standards Proposal No. 2275-A, formulated under the cognizance of the EIA P-13.3 Subcommittee on Nonsensitive 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, nonsensitive pushbutton switches covered by this detail specification:

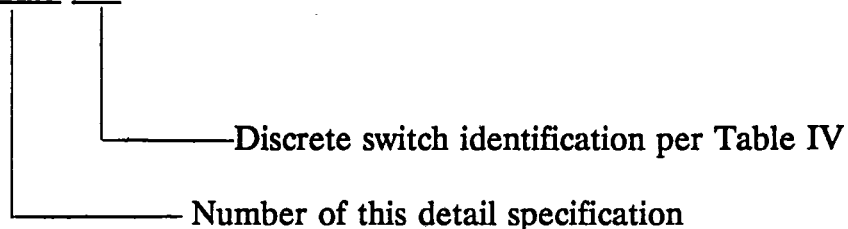
- a) mount in a panel hole with a clearance diameter for a 1/4-32UNEF-2A thread.
- b) have a maximum rated voltage of 115 Vac.
- c) have a maximum rated current of 1 A.

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 520AAA 001



1.3 MARKING

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