## Features/Benefits

- Process sealed with disposable splashproof boot
- Long life contact design
- Snap-fitting plunger available
- RoHS compliant models available


## Typical Applications

- Instrumentation
- Telecommunications and networking equipment
- Computers and peripherals

c ${ }^{\text {nin }}$ US
Models Available


## Materials

CASE \& BUSHING: Glass filled nylon 6/6, flame retardant (UL 94V-0).
PLUNGER: Glass filled nylon or glass filled polyester (PBT) (UL 94V-0).
SWITCH SUPPORT: Brass or steel, matte-tin.
SWITCH SUPPORT RETAINER: Stainless steel.
N.O. \& N.C. CONTACTS: EX25 MODELS: B contact material: Copper alloy, with gold plate over nickel plate. EX21 MODELS: G contact material: Coin silver, with gold plate over nickel plate. See page A-26 for additional contact materials.
COMMON CONTACTS \& ALL TERMINALS: Copper alloy, with gold plate over nickel plate. See page A-26 for additional contact materials.
TERMINAL SEAL: Epoxy.
DISPOSABLE BOOT: Vinyl splashproof boot supplied standard. Remove and discard only after soldering and cleaning processes are complete.

## Build-A-Switch

To order, simply select desired option from each category and place in the appropriate box. Available options are shown and described on pages A-22 thru A-28. For additional options not shown in catalog, consult our Customer Service Center. All models are process sealed to withstand machine soldering temperatures and pressure wash cleaning methods.


| $\begin{array}{\|c} \text { NO. } \\ \text { POLES } \end{array}$ | MODEL NO． | SWITCH FUNCTION |  | CONNECTED TERMINALS |  | SCHEMATIC |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | POS． 1 | POS． 2 | POS． 1 | POS． 2 |  |  |  |
|  |  | C\＆K m |  |  |  |  |  |  |
| SP | E121 | ON | мом． | 1－3 |  | $\text { SPDT } \quad \mathrm{NC} 3 \int_{2}^{1 \text { (COMM) }}$ |  |  |
|  | E125 | ON | MOM． |  |  |  |  |  |
| SPD <br> Part n | ber shown：E12 |  |  |  |  |  |  |  |
| DP | E221 | ON | MOM． |  | 1－2，4－5 |  |  |  |
|  | E225 | ON | мом． |  |  |  |  |  |
| DPDT <br> Part number shown：E2 |  |  |  |  |  |  |  |  |

MOM．＝Momentary
${ }^{7} \mathrm{~N}_{\mathrm{us}}$
with all options
when ordered with $G$ or $R$ contact material．

EX25 models must be ordered with B or P contact material． EX21 models must be ordered with $G$ or $R$ contact material．

## PLUNGER－$\square$－ローローローロ

S． $282^{\prime \prime}$ HIGH
122 DIA．
$(3,100)^{2}$

S1
． $332^{2}$ HIGH


M ．332＂HIGH SNAP－fiting


Not Available with D1 bushing
NOTE：Caps available for all plunger options，see page A－27．

## BUSHING $\square \square \square \square \square \square \square \square \square$

D1 unthreaded

D3
．180＂HIGH UNTHREADED


Not available with S1 actuator．

NOTE：Disposable splashproof vinyl over actuator and bushing supplied std．，see page A－26．


A RIGHT ANGLE, PC THRU-HOLE


A3
RIGHT ANGLE, SNAP-IN, PC THRU-HOLE


NOTE: Terminal bend radii and lead-in manufacturing option.


E020 Series
Sealed Snap-acting Momentary Pushbutton Switches

## TERMINATIONS

$\square-$

## [ [--

AV2 vertical right angle, pc thru-hole, .150" PITCH


AV3 VERTICAL RIGHT ANGLE, SNAP-IN, PC THRU-HOLE, .150" PITCH


NOTE: Terminal bend radii and lead-in manufacturing option.
AV2 VErtical right angle, pc thru-hole, .150" PITCH


AV3 VERTICAL RIGHT ANGLE, SNAP-IN, PC THRU-HOLE, .150" PITCH

PC MOUNTING


NOTE: Terminal bend radii and lead-in manufacturing option.



V3, V4 vertical mount, v-bracket
V31, V41 vertical mount, v-bracket, snap-in


V6, V8 vertical mount, v-bracket
V61, V81 vertical mount, v-bracket, snap-In


G\&K


PC MOUNTING


E121SD3__GE SPDT

| OPTION <br> CODE | DIM ' $A$ ' |
| :---: | :---: |
| V6, V61 | $.460(11,68)$ |
| V8, V81 | $.953(24,21)$ |



E020 Series
Sealed Snap-acting Momentary Pushbutton Switches

## TERMINATIONS

V6, V8 vertical mount, v-bracket
V61, V81 vertical mount, v-bracket, snap-in

E221SD3V6GE DPDT



SNAP-IN


| OPTION <br> CODE | DIM ' $\mathbf{A}$ ' |
| :---: | :---: |
| V6, V61 | $.460(11,68)$ |
| V8, V81 | $.953(24,21)$ |

CONTACT MATERIAL $\square$ 둔ㅁㅁㅁ

| OPTION <br> CODE | CONTACT <br> MATERIAL | TERMINAL <br> PLATING |  | RATINGS |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $\mathbf{B}$ | GOLD 1 | GOLD 1 |  | LOW LEVEL/DRY CIRCUIT |  |

* Note: See Technical Data section of this catalog for RoHS compliant and compatible definitions and specifications.
${ }^{1}$ CONTACTS \& TERMINALS: Copper alloy, with gold plate over nickel plate.
${ }^{2}$ N.O. AND N.C. CONTACTS: Coin silver, with gold plate over nickel plate.
${ }^{3}$ COMMON CONTACTS \& ALL TERMINALS: Copper alloy, with gold plate over nickel plate.
${ }^{4}$ TERMINALS: Copper alloy, with matte-tin alloy over nickel plate.

NOTE: Any models supplied with P, R, B or G contact material are RoHS compliant.
E121, E221 models c us with all options when ordered with mandatory G , or R contact material.
P or B contact material must be ordered with EX25 models.
R or G contact material must be ordered with EX21 models.

## SEAL 두둡ㅁ

E EPoxy Seal and disposable splashproof boot




NOTE: Other cap colors available, consult Customer Service Center.

Frames snap into panel opening and are independent from switch mounting. Accurate positioning of the PC mounted switch relative to the panel opening is necessary to provide proper clearance between actuator and frame. Available in two basic styles and four panel thicknesses .047-. 125 in. Material: Nylon. Finish: Matte.

.090" $(2,29)$ PANEL THK.
PART NO.
432702263432802263 BLACK


## AVAILABLE HARDWARE

Above frames (part nos. 432XXXXXX) are also available with insert which accepts LED for indicator light assembly. Order insert separately from frame. Blank insert panel (without hole for LED) also available. LED not included.


| PANEL INSERT | BLANK PANEL INSERT |
| :--- | :--- |
| WITH HOLE FOR LED | WITHOUT HOLE FOR LED |
| PART NO. | PART NO. |
| $\mathbf{8 9 4 9 0 2 0 0 0}$ | $476602000 \quad$ BLACK |

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Largest Supplier of Electrical and Electronic Components
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