

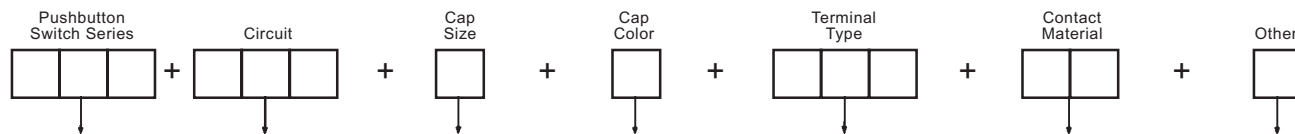
Standard Ordering Table – Pushbutton Switches – Panelmount Maintained and Momentary Action (SPDT)

HOW TO ORDER YOUR DESIGN (Bold Face Type indicates items normally in Distributor Stock)

Following the table from left to right, the designer is able to specify the options wanted. The options are described and illustrated on pages 15-16.

To determine a part number select the options desired and fill in the boxes in the selection guides illustrated below.

Pushbutton Switch Selection Guide



| Base P/N | Circuit | Cap Size | Suffix Numbers & Letters — Add to Base Catalog Number | | | |
|---------------------------------------|--|--|--|--|---|-----------------------------|
| | | | Cap Color | Terminal Options ② | Contact Material-Type | Other Options |
| PB | -123 — ON-NONE-ON Push to make contact and Push again to reverse action | 0 — No Cap | 0 — No Cap | Z — Solder Lugs C — Printed Circuit | B — Gold/Nickel/ Brass ① | Epoxy Sealed Terminals ② |
| PBS | -126 — ON-NONE-ON* Normally Open or Normally Closed. (For NC circuit use Terminal 2 & 1, for NO. 2 & 3, for NC and NO. 1, 2 & 3) | 1 — .200 Dia. 2 — .310 Dia. 3 — .375 Dia. | 1 — Black 2 — White 3 — Red | Z3 — Quick Connect W — .750" Wirewrap W1 — .964" Wirewrap W3 — .425" Wirewrap W4 — 1.0625" Wirewrap A — Right Angle P.C. AV — Vertical P.C. .100 Spacing AV2 — Vertical P.C. .150 Spacing | G — Gold/Nickel/ Silver Q — Coin Silver K — ③ L — ③ M — ③ | |
| PBW Plunger & Panel Seal | | | | | | |

*Momentary Contact

① Ratings are 0.4 VA-28 VAC or DC.

② Epoxy seal standard on all terminal options.

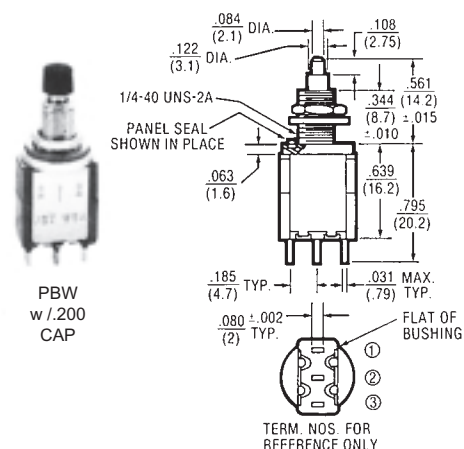
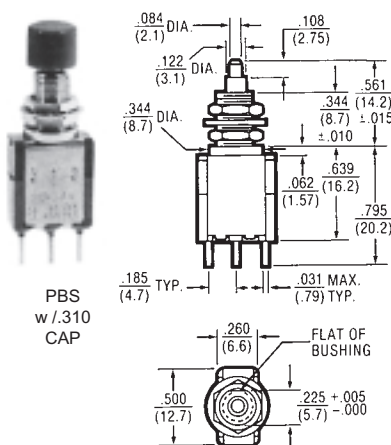
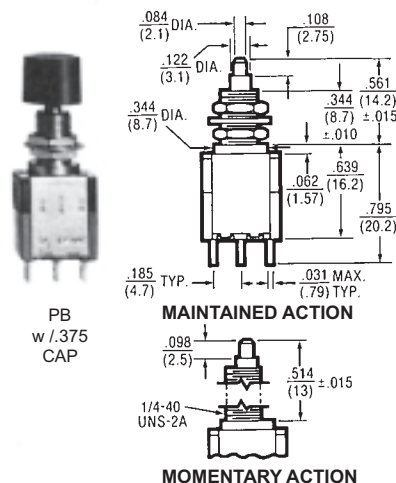
③ Same as B, G and Q respectively except terminals brass with tin nickel alloy over nickel plate. Consult factory for availability

EXAMPLES:

PB-12331ZQ = Maintained (Push-Push) circuit, .375" Black Cap, Solder Lug Terminals, Silver Contacts, 6 Amp Rating and Epoxy Sealed Terminals

PBW-12613CB = Plunger & Panel Seal, Momentary circuit, .200" Red Cap epoxy sealed Printed Circuit Terminals and 50 Millionths Gold over Brass contacts.

APPROXIMATE DIMENSIONS



SPECIFICATIONS

Contact Rating – Letter codes G and Q – 6 amp at 125 VAC, 3 amp at 250 VAC (U.L. recognized, CSA certified) or 6 amp at 28 VDC resistive. Letter codes B and G – 0.5. volt-amp (VA) maximum @ 28 V maximum (AC or DC).

Life Under Load (Resistive)

Alternate Action Suffix – 123; 100,000 make-and break cycles

Momentary Action Suffix – 126; 60,000 make-and-break cycles

Initial Contact Resistance – 10 milliohms max. 3 VDC, 100 ma for both silver and gold plated contacts.

Insulation Resistance – 1,000 MBG.

Dielectric Strength – 1,000 volts rms at sea level.

Bushing Strength – 12 pound-inches without physical damage to switch.

| | -126 | -123 |
|-----------------|-----------|-----------|
| Operating Force | 1.5 lb. | 1.75 lb. |
| Pretravel | .043 Max. | .106 Max. |
| Overtravel | .009 Min. | .008 Min. |

MATERIALS

Base (body) — Diallyl Phthalate.

Bushing — Brass, nickel plated.

Clamp (frame) — Stainless steel.

Switching Contacts and Rockers

Letter Code B — gold/nickel/brass

Letter Code G — gold/nickel/silver

Letter Code Q — Coin silver

Center Terminal

Letter Codes B, G — Gold flash/nickel/brass

Letter Code Q — Silver plated brass.

Hardware

PB and PBS Series

(2) W-NU-11 hex nuts

(1) W-WA-16 internal tooth lockwasher

PBW Series

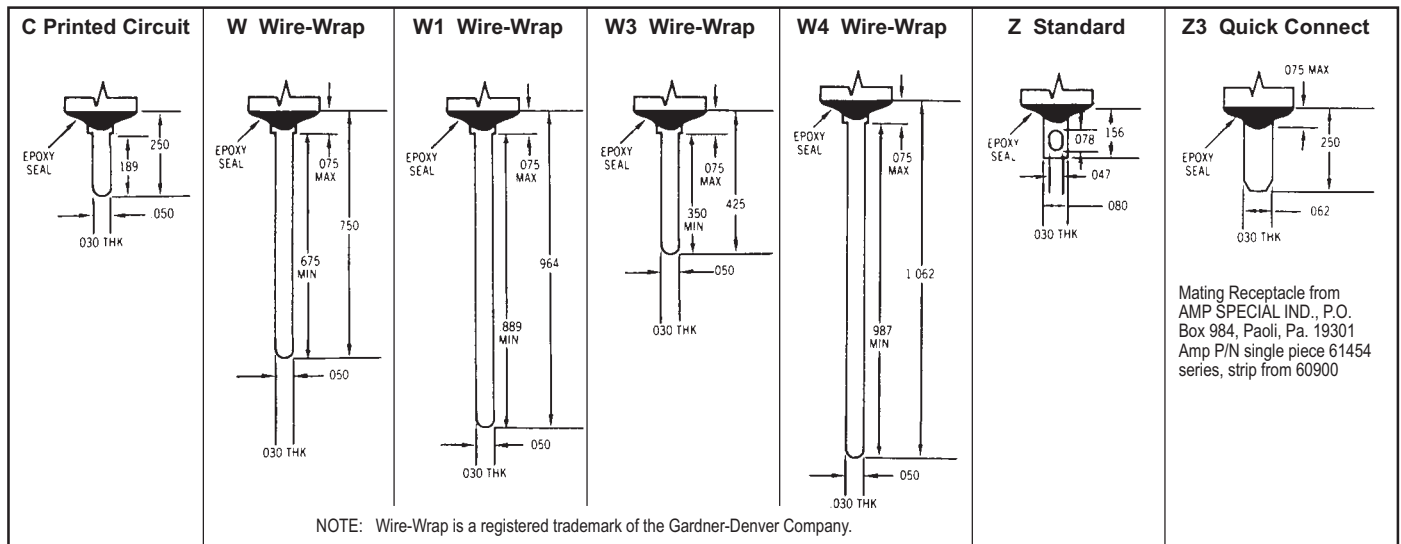
(1) W-NU-11 hex nut

(1) W-WA-16 internal tooth lockwasher

(1) W-WA-44 neoprene panel seal

Pushbutton Switches — Panelmount Maintained and Momentary Action (SPDT)

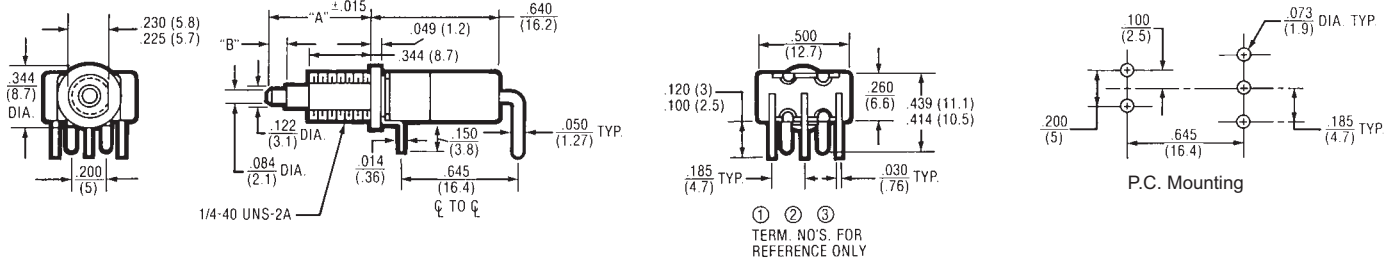
Termination Options



APPROXIMATE DIMENSIONS

PB, PBS, PBW SWITCHES w/"A" TYPE RIGHT ANGLE P.C. TERMINALS

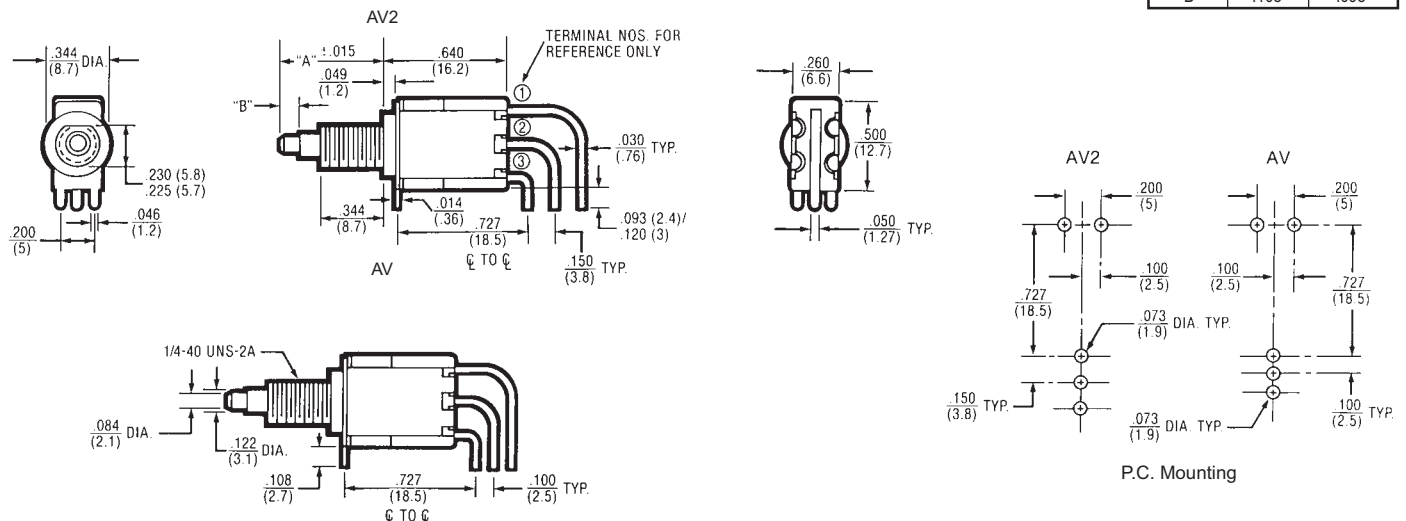
| DIM. | PB-123 | PB-126 |
|------|--------|--------|
| "A" | .561 | .514 |
| "B" | .108 | .098 |



EPOXY SEALED P.C. TERMINALS ARE SUPPLIED AS STANDARD FOR THESE OPTIONS

PB, PBS, PBW SWITCHES w/"AV" (.100" TERMINAL SPACING) OR "AV2" (.150" TERMINAL SPACING) TYPE VERTICAL P.C. TERMINALS

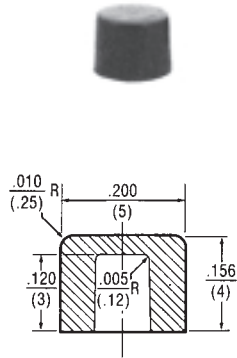
| DIM. | PB-123 | PB-126 |
|------|--------|--------|
| "A" | .561 | .514 |
| "B" | .108 | .098 |



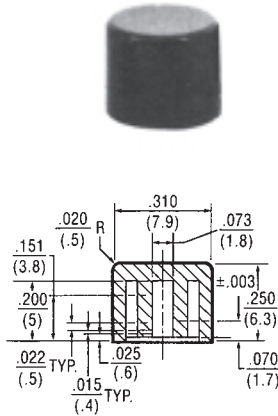
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Pushbutton Switches — Panelmount Maintained and Momentary Action (SPDT)

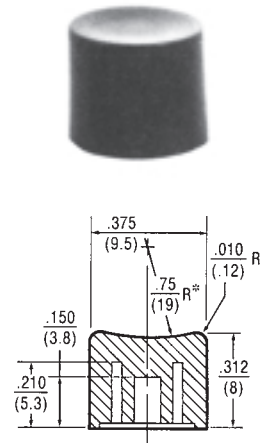
PUSHBUTTON CAP STYLES FOR PB SERIES SWITCHES ON PAGE 14



| PART NUMBER | COLOR |
|-------------|----------|
| W-KN-12 | BLACK |
| W-KN-12A | WHITE |
| W-KN-12B | RED |
| W-KN-12C | GREEN ❶ |
| W-KN-12D | BLUE |
| W-KN-12E | DK. GRAY |
| W-KN-12F | YELLOW |
| W-KN-12G | LT. GRAY |



| PART NUMBER | COLOR |
|-------------|----------|
| W-KN-31 | BLACK |
| W-KN-31A | WHITE |
| W-KN-31B | RED |
| W-KN-31C | GREEN ❶ |
| W-KN-31D | BLUE |
| W-KN-31E | DK. GRAY |
| W-KN-31F | YELLOW |
| W-KN-31G | LT. GRAY |



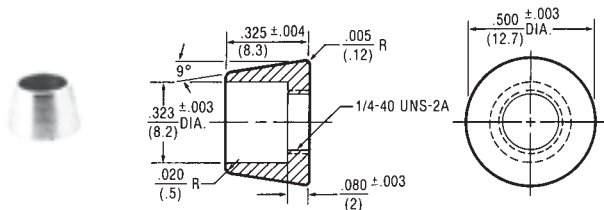
| PART NUMBER | COLOR |
|-------------|----------|
| W-KN-14 | BLACK |
| W-KN-14A | WHITE |
| W-KN-14B | RED |
| W-KN-14C | GREEN ❶ |
| W-KN-14D | BLUE |
| W-KN-14E | DK. GRAY |
| W-KN-14F | YELLOW |
| W-KN-14G | LT. GRAY |

❶ Black, white, red are standard. Contact Electros witch for availability on other colors shown.

DECORATIVE FACENUTS FOR PB SERIES AND PS SERIES

PART NUMBER W-NU-29A
(For .310 Dia. Caps)

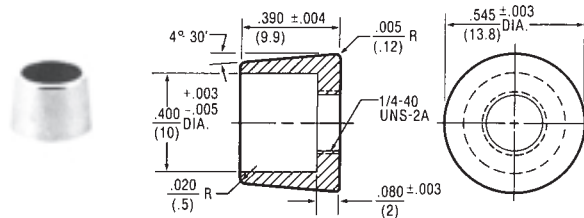
Part No. W-NU-29A
Assembled to PB
Series Switch.



Finish: Bright chrome plate over brass

PART NUMBER W-NU-30A
(For .375 Dia. Caps)

Part No. W-NU-30A
Assembled to PS
Series Switch.
(See page 4)



Finish: Bright chrome plate over brass