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

Pushbutton Switch Series + Circuit + Cap Size + Cap Color + Terminal Type + Contact Material + Other

Base P/N	Circuit	Cap Size	Suffix Numbers & Letters — Add to Base Catalog Number			
			Cap Color	Terminal Options ❷	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	**B** — Gold/Nickel/ Brass ❶	Epoxy Sealed Terminals ❷
		1 — .200 Dia.	**1** — Black	**C** — Printed Circuit	**G** — Gold/Nickel/ Silver	
PBS Plunger Seal		**2** — .310 Dia.	**2** — White	**Z3** — Quick Connect	**Q** — Coin Silver	
	-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)	**3** — 375 Dia.	**3** — Red	**W** — .750" Wirewrap	**K** — ❸	
				W1 — .964" Wirewrap	**L** — ❸	
PBW Plunger & Panel Seal				**W3** — .425" Wirewrap	**M** — ❸	
				W4 — 1.0625" Wirewrap		
				A — Right Angle P.C.		
				AV — Vertical P.C. .100 Spacing		
				AV2 — Vertical P.C. .150 Spacing		

*Momentary Contact

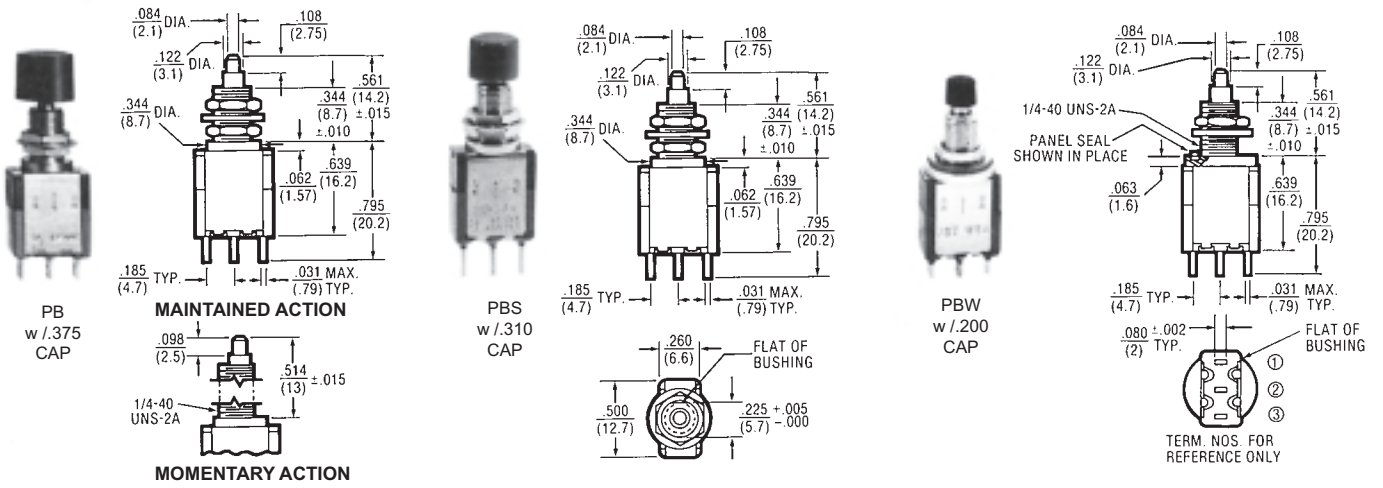
❶ Ratings are 0.4 VA-28 VAC or DC.
❷ Epoxy seal standard on all terminal options.
❸ Same as B, G and Q respectively except terminals brass with tin nickel alloy over nickel plate. Consult factory for availability

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.

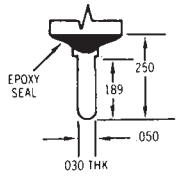
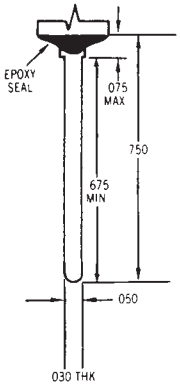
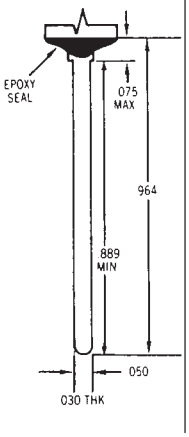
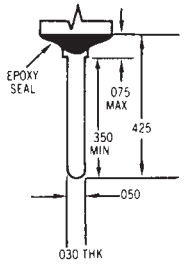
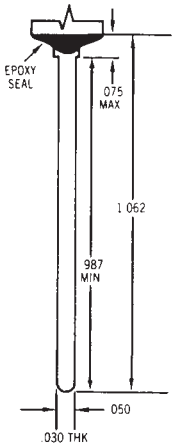
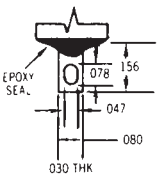
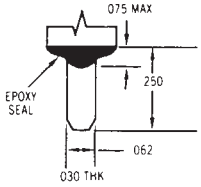
	-126	-123
Operating Force	1.5 lb.	1.75 lb.
Pretravel	.043 Max.	.106 Max.
Overtravel	.009 Min.	.008 Min.

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

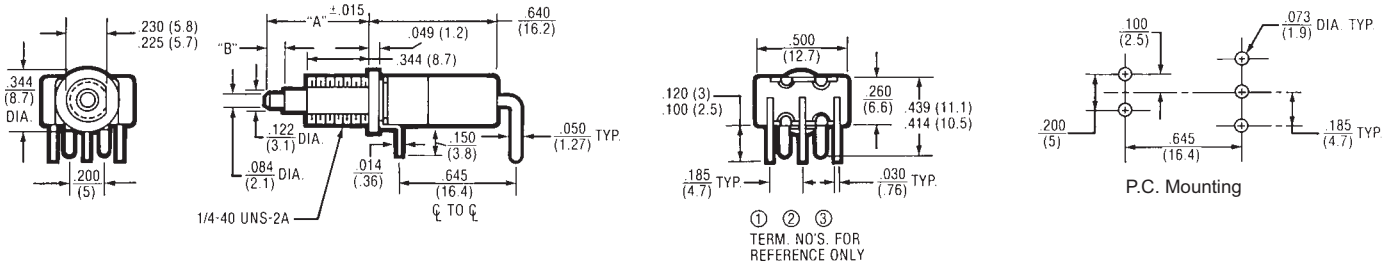
C Printed Circuit	W Wire-Wrap	W1 Wire-Wrap	W3 Wire-Wrap	W4 Wire-Wrap	Z Standard	Z3 Quick Connect
						 Mating Receptacle from AMP SPECIAL IND., P.O. Box 984, Paoli, Pa. 19301 Amp P/N single piece 61454 series, strip from 60900

NOTE: Wire-Wrap is a registered trademark of the Gardner-Denver Company.

APPROXIMATE DIMENSIONS

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

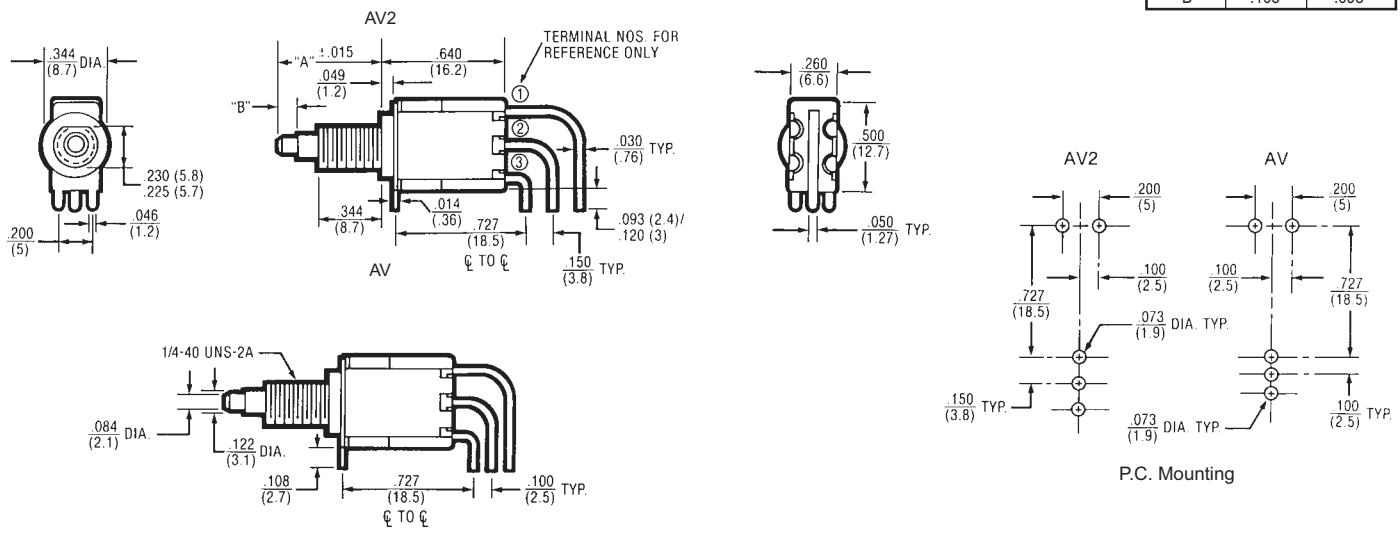
DIM.	PB-123	PB-126
"A"	.561	.514
"B"	.108	.098



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

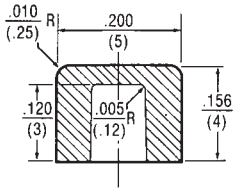


EPOXY SEALED P.C. TERMINALS ARE SUPPLIED AS STANDARD FOR THESE OPTIONS

Pushbutton Switches — Panelmount Maintained and Momentary Action (SPDT)

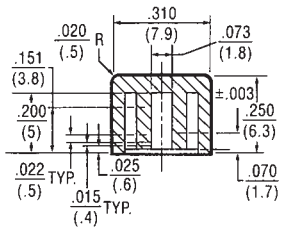
PUSHBUTTON CAP STYLES FOR PB SERIES SWITCHES ON PAGE 14





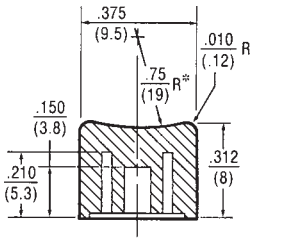
PART NUMBER	COLOR
W-KN-12	BLACK
W-KN-12A	WHITE
W-KN-12B	RED
W-KN-12C	GREEN ❶
W-KN-12D	BLUE
W-KN-12E	DK. GRAY
W-KN-12F	YELLOW
W-KN-12G	LT. GRAY





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 Electroswitch for availability on other colors shown.

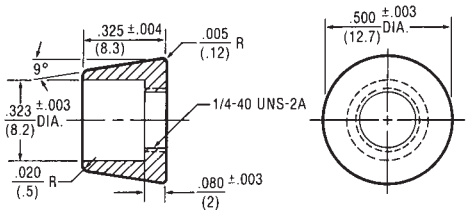
DECORATIVE FACENUTS FOR PB SERIES AND PS SERIES

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

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







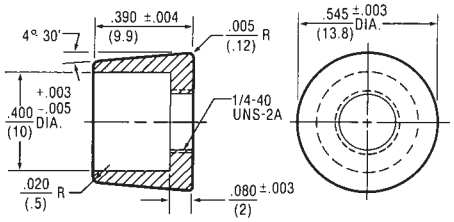
Finish: Bright chrome plate over brass

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