Series - C100, W100, WC150

FEATURES

- Low level switching capability
- Moisture-proof
- Momentary action (except #7 button)
- Push-Pull action (#7 button only)
- Up to 1 million mechanical cycles
- EMI/RFI shielding available
- Tease resistant, snap action
- Six circuit arrangements available
- Various adapter, button styles and colors
- High contact pressure
- Compact size
- Corrosion resistant case and adapters

SPECIFICATIONS

- MS27903 (WC150 series only)
- Operating temperature: -40°F to +158°F (-40°C to +70°C)
- Electrical life: 25,000 cycles at rated load
- Operating force:
  Approx. 2.5-5 lbs (Momentary)
  Approx. 1.5-2.5 lbs (Push-Pull)
- Total plunger travel:
  0.085 in. (2.16mm) approx.
- W100 and WC150 exceeds seal level 2 per MIL-PRF-8805
- C100 series unsealed

CURRENT RATINGS

Part Number	28VDC Resistive Load	28VDC Inductive Load	28VDC Lamp	125VAC 60/400 HZ Resistive Load	125VAC 60/400 HZ Inductive Load③	125VAC 60/400 HZ Lamp
C100 Series	10①	5	3	10①	5	3
W100 Series	10②	5	3	10②	5	3
WC1500 Series	—	2	—	—	—	—
W403 P6 (R)④	10	5	—	—	—	—

①3 amps max. through center terminal of A800 and A11200
②3 amps max. through center terminal of W104 and W105
③p.f. = .75
④EMI/RFI shielded

SELECTION TABLE

SERIES AND TYPE

C100

W100

WC150

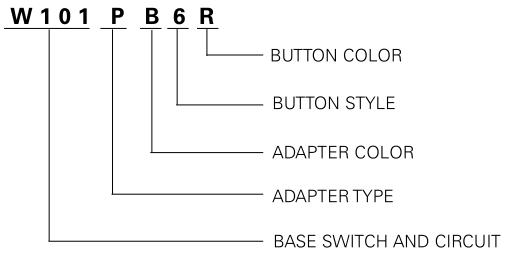
Circuit	Base Switch - Catalog Number: Solder Lug Terminals, Non-Sealed, Normal Force	Non-Sealed, Light Op. Force (2 +/- .5 lb.)	Sealed, Normal Force	Sealed, Light Op. Force (2 +/- 1 lb.)	Options - Suffix Number: Mounting Adapters, Type	Mounting Adapters, Color	Auxiliary Buttons, Style	Auxiliary Buttons, Color
SP-NO	C100	C111	-	-	Standard: N, P, PA, W, L (with #5 button only) Optional: D, E, HA, J, M, PL, U, Y	B=Black R=Red No Alpha=Clear	2, 6, or 7 on switch without adapter	No Alpha= Black R=Red W=White
SP-NC	C3100	C112	-	-				
1 P.D.T.-2 Ckt.	C200	C113	-	-				
SP-NO 3 Term.	A800	C114	-	-				
SP-NC 3 Term.	A11200	C115	-	-				
1 P.D.T. Dbl Brk	C4100	C116	-	-			2, 3, 4 or 7 on switches with adapter	
SP-NO	-	-	W101	W111			2, 3, 4, 6 or 7	
SP-NC	-	-	W102	W112				
1 P.D.T.-2 Ckt.	-	-	W103	W113				
SP-NO 3 Term.	-	-	W104	W114				
SP-NC 3 Term.	-	-	W105	W115				
1 P.D.T. Dbl Brk	-	-	W106	W116				
2 P.D.T. 4 Ckt. May be Jumpered for 2 P.D.T.	-	-	WC150	-			2, 3, 4, 6 or 7	

WHEN ORDERING SPECIFY...

• **Catalog number of base switch -** followed by suffix numbers of options (when required) as selected from Selection Table.

Order Example:

C100	HA	6	C100HA6
C100	None	7R	C1007R
↓	↓	↓	↓
Base Switch Catalog Number	Mtg. Adapter and Color	Button Style and Color	Complete Number



STANDARD
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[0,0] = mm

Dimensions for reference only.

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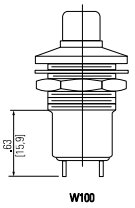
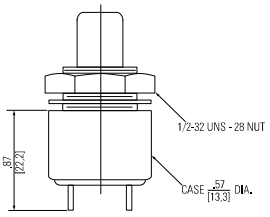
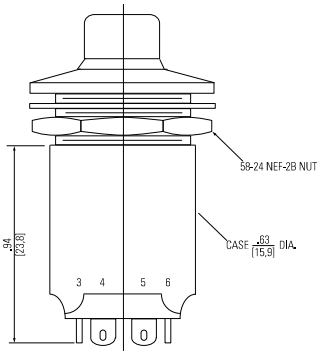
APPROXIMATE DIMENSIONS - PUSHBUTTON SWITCHES



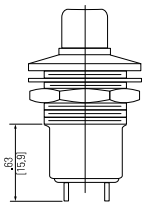
W100



C100 Without Adapter



WC150
(RF1 Versions Slightly Larger)



C100 With Adapter

APPROXIMATE DIMENSIONS - AUXILIARY BUTTONS

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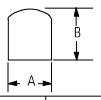
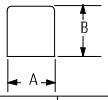
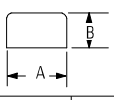
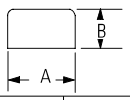
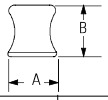
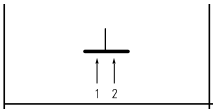
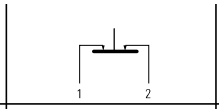
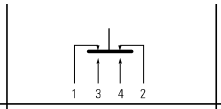
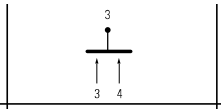
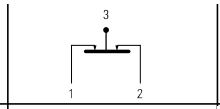
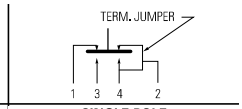
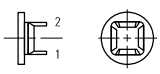
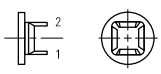
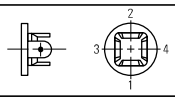
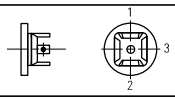
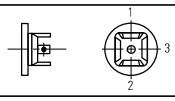
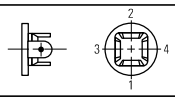
																				
	A		B		A		B		A		B		A		B		A		B	
Series Number	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.
Series C100																				
Without Adapter	7.9	.31	7.9	.31	-	-	-	-	-	-	-	-	7.9	.31	4.8	.19	7.9	.31	11.9	.47
With Adapter	9.5	.37	7.9	.31	9.5	.37	7.9	.31	9.5	.37	4.8	.19	-	-	-	-	7.9	.31	5.6	.22
Series W100 & WC150																				
With Adapter	9.5	.37	7.9	.31	9.5	.37	7.9	.31	9.5	.37	4.8	.19	9.5	.37	6.4	.25	9.5	.37	9.5	.38
Without Adapter		.37		.34		.37		.34		.37		.22		.37		.38		.37		.41

SCHEMATIC DIAGRAMS

					
SINGLE POLE NORMALLY OPEN	SINGLE POLE NORMALLY CLOSED	SINGLE POLE DOUBLE THROW 2 CIRCUITS	SINGLE POLE NORMALLY OPEN 3 TERMINALS	SINGLE POLE NORMALLY CLOSED 3 TERMINALS	SINGLE POLE DOUBLE THROW (TERMINAL JUMPER SUPPLIED UNINSTALLED)
					

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[0,0] = mm

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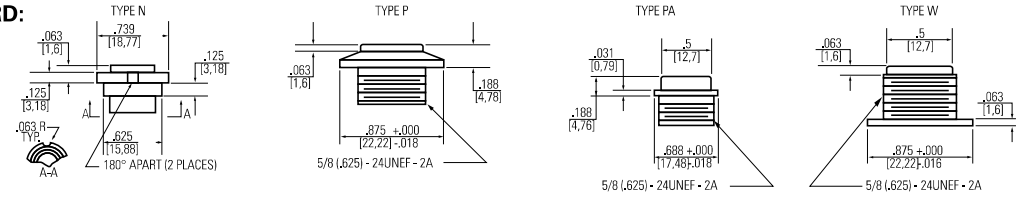
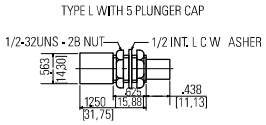
APPROXIMATE DIMENSIONS - MOUNTING ADAPTERS

STANDARD:

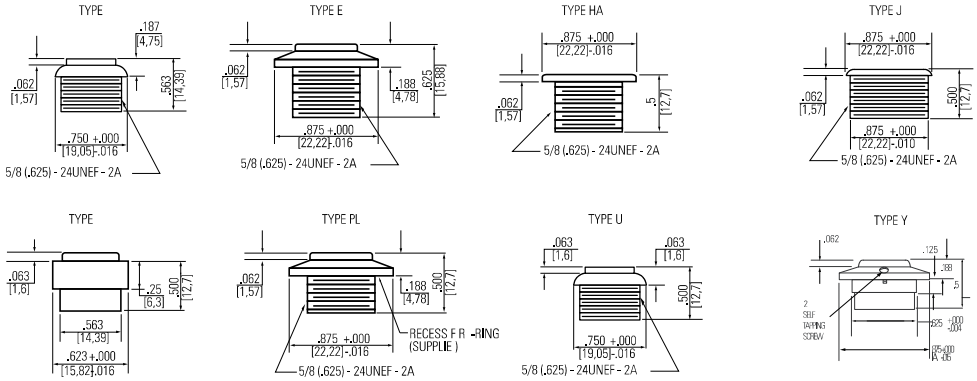


PLUNGER CAP COLORS:

CHROME: NO LETTER
RED: R
BLACK: B
TOTAL PLGR TRAVEL: .438 APPROX.
OVERTRAVEL: .313 APPROX.



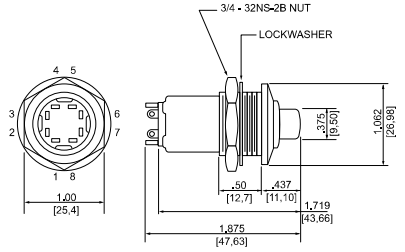
OPTIONAL:

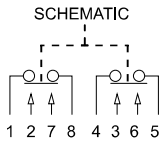


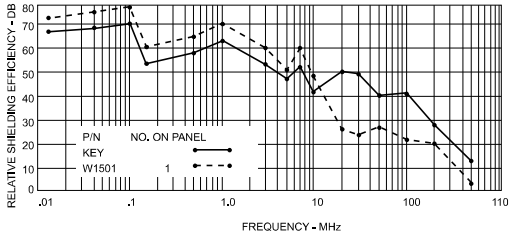
NOTE: INTERNAL THREADS 1/2 - 32 UNS-2B

EMI/RFI SHIELDED

W1501

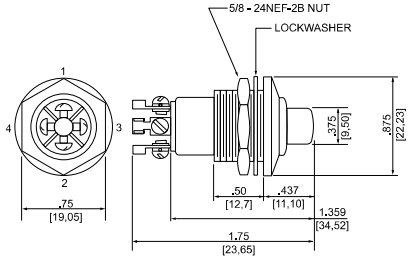


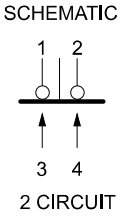


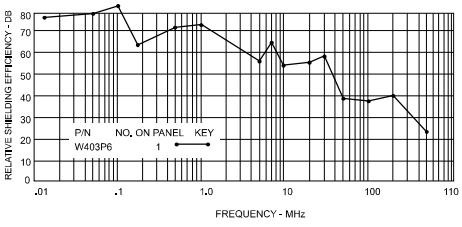


Graphic Illustration defines relative shielding efficiency of RFI shielded component/ components over unshielded device.

W403P6







Graphic Illustration defines relative shielding efficiency of RFI shielded component/ components over unshielded device.

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