

Distinctive Characteristics

Power and logic level capabilities available to suit varying applications.

Bushing and snap-in mount versions available; snap-in models offer many style and color choices to enhance front panel appearance.

Light touch actuation.

High torque bushing prevents rotation and separation from metal frame during installation.

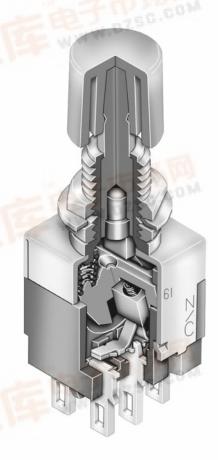
Stainless steel frame resists corrosion.

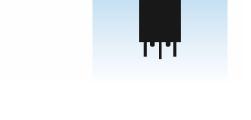
Case of heat resistant resin meets UL 94V-0 flammability rating.

Higher insulating barriers protect against crossover in double pole devices.

1,500V dielectric strength between contacts and case is accomplished by clinching the frame away from the terminals.

Epoxy sealed terminals prevent entry of solder flux and other contaminants.





Actual Size



General Specifications

Electrical Capacity (Resistive Load)

Power Level (No code or P):	3A @ 125V AC for silver contacts
Logic Level (code G or PG):	0.4VA maximum @ 28V AC/DC maximum for gold contacts
-	(Applicable Range 0.1mA ~ 0.1A @ 20mV ~ 28V)
	Note: Find additional explanation of operating range in Supplement section.

Other Ratings

Contact Resistance:	10 milliohms maximum for silver; 20 milliohms maximum for gold				
Insulation Resistance:	1,000 megohms minimum @ 500V DC				
Dielectric Strength:	1,000V AC minimum between contacts for 1 minute minimum;				
	1,500V AC minimum between contacts and case for 1 minute minimum				
Mechanical Life:	100,000 operations minimum				
Electrical Life:	25,000 operations minimum for silver;				
	50,000 operations minimum for gold				
Nominal Operating Force:	Single Pole: 2.35N for Momentary and 2.65N for Alternate Action				
	Double Pole: 2.94N for Momentary and 3.63N for Alternate Action				
Travel:	Momentary: Pretravel .047" (1.2mm); Overtravel .016" (0.4mm); Total Travel .063" (1.6mm)				
	Alternate: Pretravel .071" (1.8mm); Overtravel .016" (0.4mm); Total Travel .087" (2.2mm)				

Materials & Finishes

Plunger:	Brass with chrome plating for Momentary; brass with nickel plating for Alternate
Bushing:	Brass with nickel plating
Frame:	Stainless steel
Case:	Melamine phenolic resin (UL94V-0)
Movable Contacts:	Copper with silver or gold plating
Stationary Contacts:	Silver with silver or gold plating
Terminals:	Copper with silver or gold plating

Environmental Data

Operating Temp Range:	–10°C through +70°C (+14°F through +158°F)
Humidity:	90 ~ 95% humidity for 96 hours @ 40°C (104°F)
Vibration:	10 ~ 55Hz with peak-to-peak amplitude of 1.5mm traversing the frequency range and returning
	in 1 minute; 3 right angled directions for 2 hours
Shock:	50G (490m/s ²) acceleration (tested in 6 right angled directions, with 5 shocks in each direction)

Installation

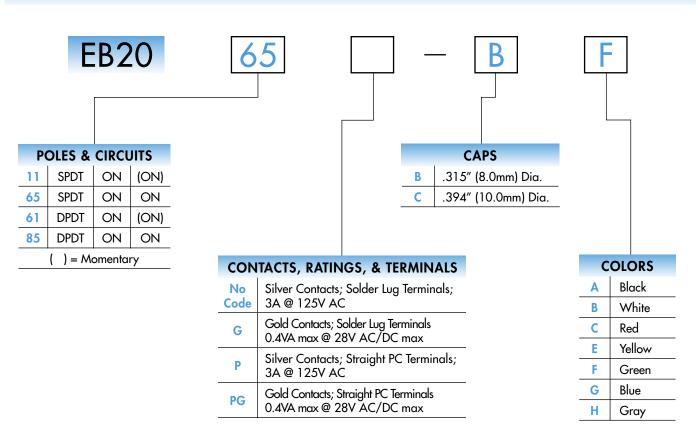
Mounting Torque:	1.47Nm (13.0 lb•in) for double nut; 0.68Nm (6.0 lb•in) for single nut				
Cap Installation Force:	78.5N (17.65 lbf) maximum downward force on actuator				
Soldering Time & Temp:	Wave Solder (Straight PC): See Profile B in Supplement section.				
	Manual Soldering: See Profile B in Supplement section.				
Cleaning:	These devices are not process sealed. Hand clean locally using alcohol based solution.				

Standards & Certifications

Flam:	mability Standards: UL Recognized:	UL94V-0 case All single and double pole models recognized at 3A @ 125V AC; UL File No. WOYR2.E44145; add "/U" to end of part number to order UL mark on switch.
C _o	C-UL Recognized:	All single and double pole models recognized at 3A @ 125V AC; UL File No. WOYR8.E44145; add "/C-UL" to end of part number to order C-UL mark on switch.
SP:	CSA Certified:	Single pole solder lug and PC models certified at 3A @ 125V AC; double pole PC models certified at 3A @ 125V AC; CSA File No. 023535-0-000; add "/C" to end of part number to order CSA mark on switch.



TYPICAL SWITCH ORDERING EXAMPLE



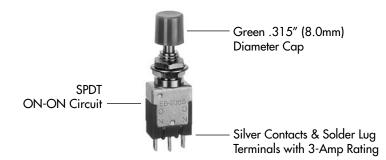
IMPORTANT:



Switches are supplied without UL, C-UL & CSA markings unless specified. Specific models & ratings noted on General Specifications page.

DESCRIPTION FOR TYPICAL ORDERING EXAMPLE

EB2065-BF

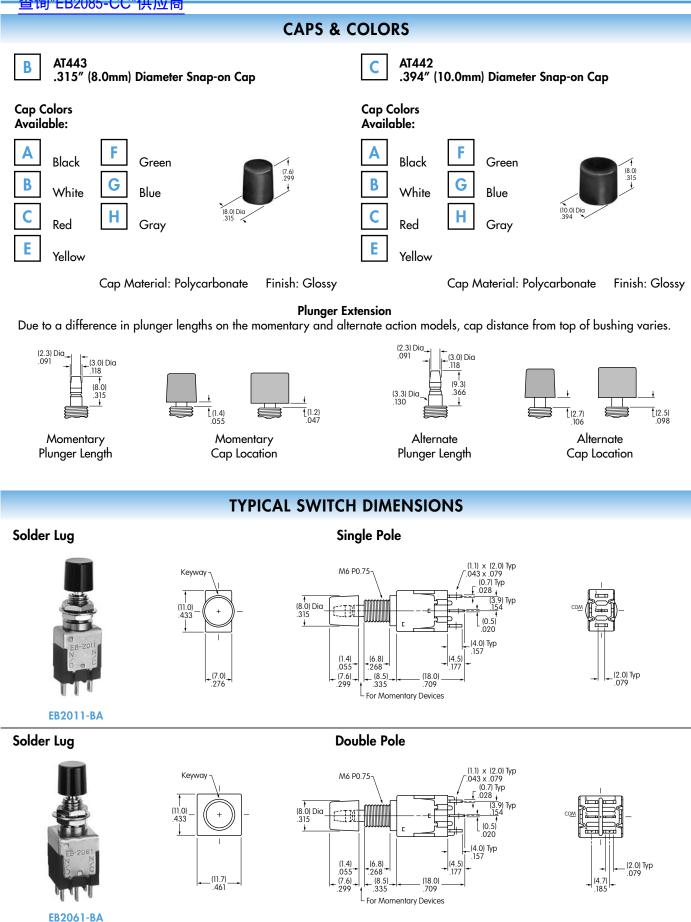




一查说	可"EB2085-C	C"供应商一	Li	ght Touch I	Miniature	Pushbuttons	Jeries ED	
	<u>, 191000 (</u>		F	OLES & CII	RCUITS			
		Plunger Position () = Momentary		Connected	Terminals	Throw & S	witch Schematics	
Pole	Model	Normal	Down	Normal	Down		al numbers are tually on the switch.	
SP	EB2011 EB2065	ON ON	(ON) ON	2-3	2-1	SPDT 3	2 (COM) 1	
DP	EB2061 EB2085	ON ON	(ON) ON	2-3 5-6	2-1 5-4	DPDT 2 (COM) 5 3 • 1 6 • 4		
		CON	ITACT MAT	ERIALS, RAT	FINGS, & T	ERMINALS		
No CodeSolder LugSilver ContactsPower Level3A @ 125V AC								
G Solder Lug Gold Contacts			Log	Logic Level		0.4VA max @ 28V AC/DC max		
			Co	mplete explanatio	on of operating	range in Supplement s	section.	
Epoxy Seal J D I								
P Straight PC Silver Contacts			Ром	ver Level	r Level 3A @ 125V AC			
PG Straight PC Gold Contacts		Loç	ic Level	0.4VA max @ 28V AC/DC max				
	Complete explanation of operating range in Supplement section.							
	PCB Footprints							
		Epoxy Seal-	$ \begin{array}{c} - & + \\ + & (6.4) \\ (4.3) & .252 \\ .169 & + \\ + & + \\ 121 \end{array} $		Sing -@-	le Pole Double F $\begin{pmatrix} + \\ .185 \end{pmatrix}^{(4,7)}_{.185} \begin{pmatrix} + \\ .185 \end{pmatrix}^{(4,7)}_{.185}$		
		→ → (- (10.2 Thk (0.7) .028 .020	1.2) 147 5) Com)		$-\textcircled{S}^{12}_{-}$	$\begin{array}{c} 154 \\ + \\ - \\ - \\ - \\ - \\ - \\ - \\ - \\ - \\ -$	л гур 4 Dia Тур	

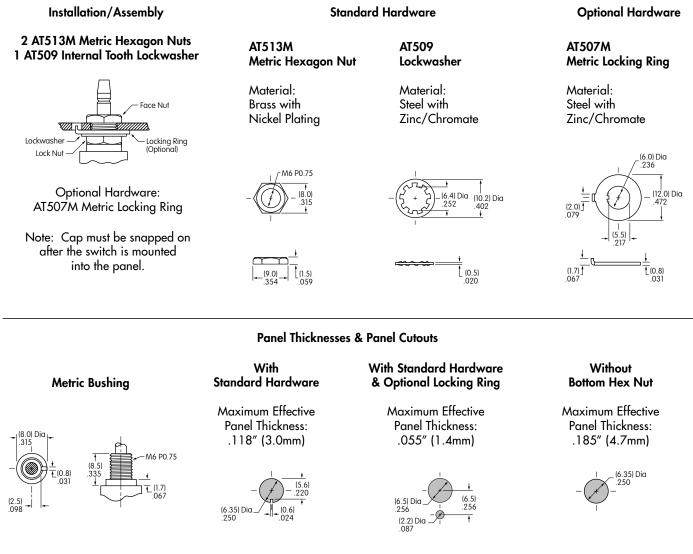


Light Touch Miniature Pushbuttons Series EB





HARDWARE



See Accessories & Hardware section for optional Conical Nuts: AT512M used with cap AT443 and AT512CM used with cap AT442.