

Contact Blocks

**Standard Contact Blocks** — Molded, phenolic construction. Enclosed silver contacts with reliability “nibs” that improve the reliability of switching performance under dry circuit, corrosive atmosphere and fine dust conditions. For more extreme conditions, the Logic Level contact blocks described below are recommended.

Table 47-159. Standard Contact Block Ratings — Maximum Amperes

Current	AC Volts A600				DC Volts P300		
	120	240	480	600	24/28	125	250
Make & Emergency Inter. Capacity	60	30	15	12	5.73	1.1	0.55
Normal Load Break	6	3	1.5	1.2	5.73	1.1	0.55
Continuous Current	10						














**Logic Level Contact Blocks** — Feature palladium contacts. Palladium, which is more inert than gold, is well suited for voltages and currents approaching zero. When mounted in an enclosure rated for highly corrosive environments, logic level contact blocks can be used where exposure to chemicals may cause failure to other types of materials.

Table 47-160. Maximum Ratings for Logic Level and Hostile Atmosphere Application ①

Maximum Amperes .....	0.5A ①
Maximum Volts .....	120V AC/DC

① Logic level contact blocks are UL A600/P500 rated per table above.

Table 47-162. Contact Block Selection Table

Contact Block Type ⑥	Circuit	Pressure Terminals				Quick Connect Terminals ⑤	
		STANDARD		LOGIC LEVEL		STANDARD	
		Catalog Number	Price U.S. \$	Catalog Number	Price U.S. \$	Catalog Number	Price U.S. \$
	 1NO	600 Volt AC, 250 Volt DC — Single Circuit					
		E30KLA1		E30KLAE1		E30KLB1	
	 1NC	E30KLA2		E30KLAE2		E30KLB2	
 <i>Screw Terminals</i>   <i>Quick Connect Terminals</i>	 1NO-1NC	600 Volt AC, 250 Volt DC — Two Circuit					
		E30KLA3		E30KLAE3		E30KLB3	
	 2NO	E30KLA4		E30KLAE4		E30KLB4	
	 2NC	E30KLA5		E30KLAE5		E30KLB5	
	Special Contact Operation		E30KLA6 ③	—		E30KLB6 ③	
	 1NO-1NC Overlapping						
	 2NO (One Early Closing)	E30KLA7 ③		—		E30KLB7 ③	
	 2NC (One Late Opening)	E30KLA8		—		E30KLB8	
	 1NO-1NC	120 Volt AC Only — Two Circuit					
		E30KLA9 ④		—		E30KLB9 ④	

- ③ Do not use with maintained operators.  
④ Contacts must be same polarity.  
⑤ Supplied with non-stacking screws. Limited to 2 contact blocks mounted in positions 1 and 5.  
⑥ Individually boxed contact blocks master packed 10 per carton.

Mounting Limitations

**Figure 47-83** and **Table 47-161** give the contact block mounting limitations for Type E30 pushbutton and combination pushbutton and light operators. Mounting positions 1 thru 8 indicate single depth contact blocks. Each of these positions can represent either a single circuit 600 volt block or a 2-circuit 120 volt block. The 2-circuit 600 volt block requires two of the numbered positions shown.

Table 47-161. Mounting Positions

Catalog Number of Operator	Contact Blocks Can Be Mounted in Positions Listed Below	
	Upper Stack	Lower Stack
E30AA thru E30AM ②	1-2-3-4	5-6-7-8
E30BA thru E30CM	None	None
E30DA thru E30DM	None	5-6-7-8
E30EA thru E30GM	2-3-4	6-7-8
E30JA thru E30JM	3-4	7-8

② Except Operator E30AD, AJ or AK which will accommodate contact blocks 1, 2, 5 and 6 only. (See figure below.)

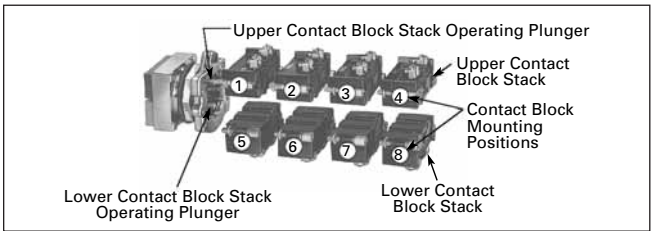


Figure 47-83. Mounting Positions