

Product Selection

Operators

When Ordering a Complete E30 Control Unit Specify

Catalog Number of ...	Ordering Example (E30AB)	
Operator	E30KB130	“START”
Button(s)	E30KB231	“STOP”
Contact block(s)	E30KLA1	1NO
Accessories (if required)	E30KLA2	1NC

Square Multifunction Operators

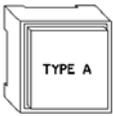
UL (NEMA) Type 3, 3R, 4, 4X, 12, 13

Single Button Operator



Shown with Extended Button

Single Button Operator/without Button (Order Button Separately)

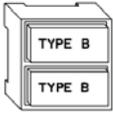
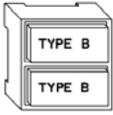
Button Type Required ^①	Operation	Special Features	Catalog Number
	Momentary	—	E30AA

Two Button Operator



Shown with Extended Buttons

Two Button Operator/without Buttons (Order Buttons Separately)

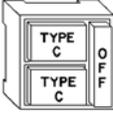
Button Types Required ^①	Operation		Special Features	Catalog Number
	Top Button	Bottom Button		
	Momentary	Momentary	—	E30AB
	Momentary	Momentary	With mechanical interlock	E30AC
	Maintained (all contacts)	Release (all contacts)	—	E30AD ^②
	Maintained (all contacts)	Release (all contacts)	With mechanical interlock	E30AP ^{②③}

Two Button Operator



Shown with Long Release Bar

Two Button Operator with Long (OFF) Release Bar—Includes OFF Bar/Button (Order Other Buttons Separately)

Button Types Required ^{④⑤}	Operation		Special Features	Catalog Number
	Top Button	Bottom Button		
	Maintained	Maintained	—	E30AF
	Maintained	Maintained	With mechanical interlock	E30AG
	Maintained	Momentary	With mechanical interlock	E30AH
	Maintained (all contacts)	Maintained (bottom contacts only)	Top button operates both top and bottom contacts	E30AK ^⑥

Notes

- ① Order from table on **Page V7-T1-169**.
- ② Limited to two single circuit, one double circuit 600V or two 120V (E30KLA9) contact blocks behind each button.
- ③ Buttons are interlocked so that one of the two is maintained at all times. Depressing the other button releases the maintained button and maintains the depressed button.
- ④ Operators are supplied as standard with red extended bar(s) marked “OFF” as shown in sketch. For other colors or markings, contact your nearest Eaton Distributor or call our Customer Service Center 1-800-356-1243. For replacement of standard red release bar, order **E30KR100**.
- ⑤ Order from table on **Page V7-T1-170**.
- ⑥ Limited to two single circuit, one double circuit 600V or two 120V (E30KLA9) contact blocks behind each button.

Contact Blocks

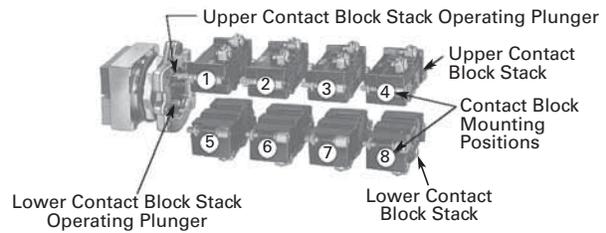
Standard Contact Blocks—Molded, phenolic construction. Enclosed silver contacts with reliability “nibs” that improve the reliability of switching performance under dry circuit, corrosive atmosphere and fine dust conditions. For more extreme conditions, the logic level contact blocks described below are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

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.

Mounting Limitations

See the contact block mounting limitations for Type E30 pushbutton and combination pushbutton and light operators on this page. 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 two-circuit 120 volt block. The two-circuit 600 volt block requires two of the numbered positions shown.

Mounting Positions



Catalog Number of Operator	Contact Blocks Can Be Mounted in Positions Listed Below	
	Upper Stack	Lower Stack
E30AA thru E30AM ^①	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

Contact Block Type ^②

Single Circuit, Screw Terminals



Two Circuit, Screw Terminals



Two Circuit, Quick Connect Terminals



120 Vac Only—Two Circuit



Contact Block Selection

Circuit	Standard Catalog Number	Pressure Terminals	Logic Level Catalog Number	Quick Connect Terminals ^③
		Standard		Standard
600 Vac, 250 Vdc—Single Circuit				
1NO	E30KLA1		E30KLAE1	E30KLB1
1NC	E30KLA2		E30KLAE2	E30KLB2
600 Vac, 250 Vdc—Two Circuit				
1NO-1NC	E30KLA3		E30KLAE3	E30KLB3
2NO	E30KLA4		E30KLAE4	E30KLB4
2NC	E30KLA5		E30KLAE5	E30KLB5
Special Contact Operation				
1NO-1NC Overlapping	E30KLA6 ^④		—	E30KLB6 ^④
2NO (One early closing)	E30KLA7 ^④		—	E30KLB7 ^④
2NC (One late opening)	E30KLA8		—	E30KLB8
120 Vac Only—Two Circuit				
1NO-1NC	E30KLA9 ^⑤		—	E30KLB9 ^⑤

Notes

- ① Except operator E30AD, AJ or AK which will accommodate contact blocks 1, 2, 5 and 6 only. (See Mounting Positions above.)
- ② Individually boxed contact blocks master packed 10 per carton.
- ③ Supplied with non-stacking screws. Limited to 2 contact blocks mounted in positions 1 and 5.
- ④ Do not use with maintained operators.
- ⑤ Contacts must be same polarity.