

Breaker Type: Combination Controller. Type BC-XLS. All Type BC-XLS Combination Starters

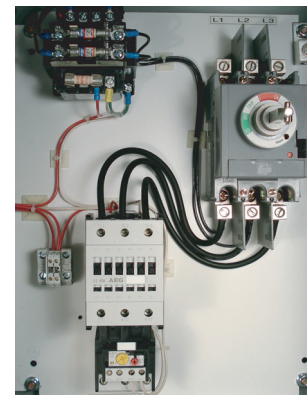
UL 508 Circuit Breaker Type BC-XLS Combination Controller includes:

A. Breakers, 600 Volt are internationally accepted industrial Control Breakers with instantaneous and thermal trip. As well as UL508 approved.

B. Door handle safety interlocks.

C. Type XLSK Magnetic starters with precision and consistent overload protection and different single phasing protection.

D. Space and drilling for fused control circuit transformer.



For Factory Installed Additions

See Page#61,63,82. Special Features

Include:

Transformers - Primary , secondary
Fusing included

Pilot Lights

HOA ,Start /Stop,on off selector switches,ect.

Time Delay Relays

Phase Loss , Reverse Phase, Voltage Moneters.

SIZE	Voltage	Design Rating Max HP	Breaker Frame Size	Catalog No. Type BC XLS-	Circuit Breaker Type Enclosed		
					General Pupose NEMA1 -M01	Non Metal Dust tight Outdoor NEMA4X -4X	Dust Tight Drip Tight NEMA 12/4 -M4
	200/230	5	100	7K-1 * - ** -	\$ 670	\$ 816	\$ 816
	460	10	100	7K-2 * - ** -	\$ 670	\$ 816	\$ 816
	230	7 1/2	100	11K-1 * - ** -	\$ 730	\$ 864	\$ 864
	460	15	100	11K-2 * - ** -	\$ 730	\$ 864	\$ 864
	200	10	100	15K-1 * - ** -	\$ 858	\$ 984	\$ 984
	230	10	100	15K-2 * - ** -	\$ 858	\$ 984	\$ 984
	460	20	100	15K-3 * - ** -	\$ 858	\$ 984	\$ 984
	200/230	15	100	22K-1 * - ** -	\$ 984	\$ 1,260	\$ 1,260
	460	30	100	22K-2 * - ** -	\$ 984	\$ 1,260	\$ 1,260
	200/230	20/25	100	37K-1 * - ** -	\$ 1,440	\$ 1,606	\$ 1,606
	460	50	100	37K-2 * - ** -	\$ 1,440	\$ 1,606	\$ 1,606
	200/230	25/30	100	45K-1 * - ** -	\$ 1,540	\$ 1,859	\$ 1,859
	460	60	100	45K-2 * - ** -	\$ 1,540	\$ 1,859	\$ 1,859
	200/230	25/30	160	45K-3 * - ** -	\$ 1,716	\$ 1,925	\$ 1,925
	230	40	160	55K-1 * - ** -	\$ 1,900	\$ 2,600	\$ 2,600
	460	75	160	55K-2 * - ** -	\$ 1,900	\$ 2,600	\$ 2,600
	200/230	40/50	160	75K-1 * - ** -	\$ 2,500	\$ 3,170	\$ 3,170
	460	100	160	75K-2 * - ** -	\$ 2,500	\$ 3,170	\$ 3,170
	200/230	60/75	250	110K-1 * - ** -	\$ 3,700	\$ 4,400	\$ 4,400
	460	150	250	110K-2 * - ** -	\$ 3,700	\$ 4,400	\$ 4,400
	200/230	100	400	160K-1 * - ** -	\$ 5,070	\$ 6,650	\$ 6,650
	460	250	400	160K-2 * - ** -	\$ 5,070	\$ 6,650	\$ 6,650
	200/230	125/150	400	220K-1 * - ** -	\$ 8,870	\$ 11,010	\$ 11,010
	460	300	400	220K-2 * - ** -	\$ 8,870	\$ 11,010	\$ 11,010
	230	200	1000	280K-1 * - ** -	\$ 10,900	\$ 14,100	\$ 14,100
	460	400	1000	280K-2 * - ** -	\$ 10,900	\$ 14,100	\$ 14,100
	230	250	1000	375K-1 * - ** -	\$ 12,800	\$ 15,400	\$ 15,400
	460	500	1000	375K-2 * - ** -	\$ 12,800	\$ 15,400	\$ 15,400

**Overload Relay Suffix	
O.L Relay Setting Range	O.L Relay Setting Range
Suffix (Amps)	Suffix (Amps)
-B 0.16-0.26	-ON 21-26
-C 0.25-0.41	-P 25-32
-D 0.4-0.65	-Q 30-40
-E 0.65-1.1	-QN 42-55
-F 1.-1.5	-RN 54-65
-G 1.3-1.9	-SN 64-82
-H 1.8-2.7	-TM 78-97
-I 2.5-4	-TN 90-110
-K 4-6.3	-TT 110-140
-L 5.5-8.5	-U 140-190
-M 8-12	-V 175-280
-N 10-16	-W 200-310
-O 14.5-18	-WT 250-400
-OM 17.5-22	-X 315-500
	-Y 430-700

Coil Voltage Suffix

Steps to Order Motor Starter:	
Step 1 - Size Choose from the UL HP and Voltage list per your application. For Example: 5 HP 230V 3 Phase Part# BC XL7K- 1*	
Step 2 - Coil * From the coil suffix chart to the right, select the appropriate coil suffix For Example:120 VAC Coil = A Part # BC XLS7K-1A-	
Step 3 - Overload Amps** This step requires a suffix for your overload protection, refer to "OVERLOAD RELAY SUFFIX TABLE" (Example : 5HP @ 230V 3 Phase , if 13 full load Amps= Suffix "N")	
Step 4 - Enclosure specify "open" or "enclosed" requirments. For Example if NEMA 12 Complete Part # BCXLS7K - 1A - N-M4	

For LS7K-LS55K		For LS75K-LS375K (3Pole)		DC add	
AC	60Hz 50Hz	AC/DC 50/60Hz		-NSW	24-28 V
-G	24 24	-N	24-28V	-OSW	42-48 V
-A	120 120	-AP	110-127V	-PSW	110-127 V
-B	200 200	-CR	220-250V	-RSW	360-440V
-C	220 220	-EX	440-500V		
-H	277 230				Add \$30 list LS7K - 15K
-E	480 380		No Addition for DC size LS75K-LS375K		Add \$ 45 list LS22K-LS55K
-F	600 500				