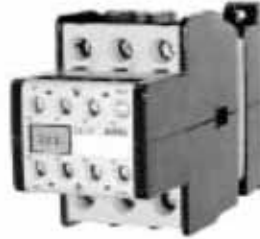


DC OPERATED CONTACTORS

DC operated contactors can be used with overloads as shown. Refer to pages 26 and 27 for overloads



Type XLS07
Mini Starter



Type LS37
DC Powered Contactor

**FOR SAFETY
A POSITIVE GUIDED
DESIGN
(per IEC 947-5)**

See page 21 for additional information of Positive Guidance

DC OPERATED CONTACTORS, 3 POLE

(for DC switching ratings see pages 18 and 19)

General Purpose Amps (inductive)	Horsepower Rating 3 Phase				Catalog Number *	List Each	Coil Burden (Watts)	
	200V	230V	460V	600V			Pick Up	Hold In
10	3	3	3	1	LS07.10-★SW	\$44	2.4**	2.4
16	3	3	5	7.5	LS4.10-★SW	115	6.5	6.5
16	3	3	5	7.5	LS4.10-★TW	115	130	3.2
20	5	5	10	10	LS7.10-★SW	140	6.5	6.5
20	5	5	10	10	LS7.10-★TW	140	130	3.2
27	5	5	10	15	LS17.10-★SW	155	6.5	6.5
27	5	5	10	15	LS17.10-★TW	155	130	3.2
40	7.5	10	15	20	LS27.21-★TW ▲▲	170	170	3.5
55	7.5	10	20	25	LS37.22-★SW	198	8.0	8.0
55	7.5	10	20	25	LS37.22-★TW	198	170	3.5
90	10	15	30	40	LS47.22-★TW	265	170	4.0
100	20	25	50	50	LS57.22-★TW	315	170	4.0
110	25	30	60	75	LS77.22-★TW	405	170	4.0
110	30	40	75	100	LS87.22-★TW	520	170	4.0
150	50	50	100	100	LS107.22-★TW	900	430	5.0
200	60	75	150	200	LS177.22-★TW	1214	430	5.0
450 ▲	100	150	300	375	LS247.22-★TW	1614	400	6.5

Contactors LS07 through LS17 supplied with one Normally Open auxiliary.

▲▲ LS27.21-★TW requires a space for late-break auxiliaries on top of contactor so that you may only have three additional auxiliaries. You may exchange a .21 with displacement if needed (2NO/1NC or 1NO/2NC)

Contactors LS37 through LS247 supplied with Two Normally Open, Two- Normally Closed auxiliary contacts.

**Coil Burden 1.2 Watt

SW - Single Winding suffix indicates full DC power plant with single winding coil and no high inrush current.

TW - Two Winding suffix indicates a late break auxiliary is used to switch in a second hold-in winding (included in price). To order replacement late-break auxiliaries see the bottom right of this page.

Note: Type LS07, LS4, LS7, LS17, and LS37 have low burden DC power plants. Larger contactors TYPE LS47 through LS247 utilize tapped coil design (TW). No economizing resistor is needed.

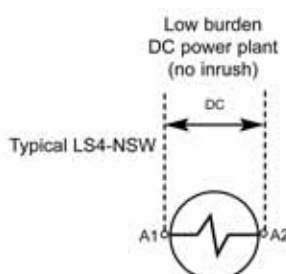
▲ For higher rating use "K" contactors with AC/DC power plants. see page 52.

★DC COIL VOLTAGE SUFFIX

- N 24VDC
- O 48VDC
- P 120VDC
- R 220VDC

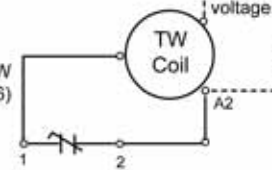
DC Operated Starters

DC Operated Starters are available from stock through 200 HP. Compatible overload relays Type B are plug on-bolt on design. Select overload from overload catalog section Type B through 700 Amps.



Wiring Diagram - DC Coils

Typical LS47-NTW (page 46)



Late-break auxiliary contact

DC tapped coil (2 winding coil, high inrush)

Late Break Auxiliary Contacts

Catalog #	For Contactor	List
HS17V.01	LS4-17 LS27.00 LS37.00	\$26
HS77GS	LS47-77	35
HS107GS	LS107-247	35