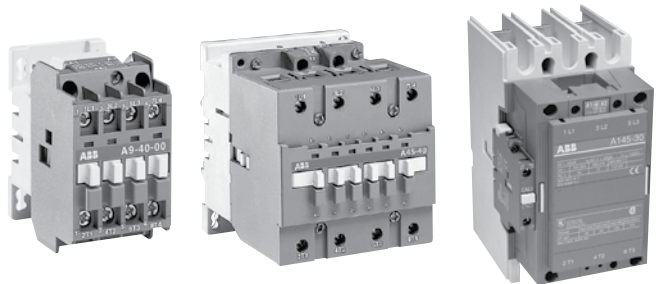


Lighting Contactors



Features

- CE mark
- Compact space saving design
- Standard auxiliary contact configurations:
 - A9 - A40 1 NO or 1 NC
 - A50 - A110 1 NO & 1 NC
- Additional auxiliary contact blocks are available
- Panel mounting with screws or fast, snap-on DIN rail mounting
- Silver alloy double break contact design
- Snap-on front mounted accessories include mechanical latch, pneumatic timer, and 1 & 4 pole auxiliary contact blocks
- Contactors ensure positive safety between their auxiliary contact blocks.
- Easy coil change
- Captive terminal screws
- NEMA, UL, IEC, CSA, VDE and most other international standards
- Touch safe design: All connection terminals are protected against accidental touch
- Terminals supplied open for ease of wiring
- Operates over an extended voltage range of 85% to 110% of rated control voltage
- Screwdriver guide holes
- UL File No: E39231 (A9 - A75); (AE9 - AE75); (AL9 - AL40); (AF50 - AF75)
- UL File No: E79416 (A95 - A110); (AE95 - AE110); (AF145 - AF750)
- CSA File No: LR56745 (A9 - A75); (AE9 - AE75); (AF50 - AF75)
- CSA File No: LR19700 (A95 - A110); (AE95 - AE110); (AF145 - AF750)

Applications

Lighting contactors can be used to control a variety of lighting loads including:

- Tungsten filament lighting loads (incandescent), iodine lamps, quartz-iodine and infrared lamps
- Electric discharge lighting loads (ballast), high intensity discharge (HID), mercury vapor, metal halide and high pressure sodium and fluorescent lamps

Typical applications

- Parking lots
- Industrial plants
- Office buildings
- Theaters and auditoriums
- Stadiums
- Shopping centers
- Airports
- Hospitals
- Transportation lighting
- Institutions

Description

The A-Line lighting contactors are available with or without an enclosure.

- Maximum operating voltage of 600VAC 60Hz
- Includes 3, 4, 8 or 12 pole versions, other versions on request
- Electrically or mechanically held contactors
- IP 20 protection for connection terminals
- Can be mounted onto a mounting plate or a 35 x 7.5mm DIN rail
- UL/CSA Approved

A9 - A300

Electrically & mechanically held



A9-40-00



A45-40-00



A145-30-11

Normally Open Power Poles			Electrically Held					Mechanically Held				
Ballast Amp Rating	Incandescent (Tungsten) Amp Rating	Number of Power Poles	Open Type		UL Type 1 Enclosed			Open Type		UL Type 1 Enclosed		
			Catalog number	List price	Enclosure Size	Catalog number	List price	Catalog number	List price	Enclosure Size	Catalog number	List price
15	15	4	A9-40-00-84	\$ 120	A	A9C4P1-84	\$ 175	A9L-40-00-84	\$ 214	A	A9LC4P1-84	\$ 269
15	15	8	A9-80-00-84	272	A	A9C8P1-84	327	A9L-80-00-84	460	A	A9LC8P1-84	515
15	15	12	A9-120-00-84	392	A	A9C12P1-84	447	A9L-120-00-84	674	A	A9LC12P1-84	729
30	20	4	A16-40-00-84	165	A	A16C4P1-84	220	A16L-40-00-84	259	A	A16LC4P1-84	314
30	20	8	A16-80-00-84	362	A	A16C8P1-84	417	A16L-80-00-84	550	A	A16LC8P1-84	605
30	20	12	A16-120-00-84	527	A	A16C12P1-84	582	A16L-120-00-84	809	A	A16LC12P1-84	864
30	30	4	A16-40L-00-84	175	A	A16C4PL1-84	230	A16L-40L-00-84	269	A	A16LC4PL1-84	324
30	30	8	A16-80L-00-84	372	A	A16C8PL1-84	427	A16L-80L-00-84	560	A	A16LC8PL1-84	615
30	30	12	A16-120L-00-84	537	A	A16C12PL1-84	592	A16L-120L-00-84	819	A	A16LC12PL1-84	874
35	35	4	A26-40-00-84	228	A	A26C4P1-84	283	A26L-40-00-84	322	B	A26LC4P1-84	409
35	35	8	A26-80-00-84	488	A	A26C8P1-84	543	A26L-80-00-84	676	B	A26LC8P1-84	764
35	35	12	A26-120-00-84	716	B	A26C12P1-84	803	A26L-120-00-84	998	B	A26LC12P1-84	1,085
50	50	3	A30-30-10-84	252	A	A30C3P1-84	328	A30L-30-10-84	346	C	A30LC3P1-84	522
60	60	3	A40-30-10-84	297	A	A40C3P1-84	373	A40L-30-10-84	391	C	A40LC3P1-84	567
60	60	4	A45-40-00-84	360	B	A45C4P1-84	536	A45L-40-00-84	454	C	A45LC4P1-84	730
65	65	3	A50-30-00-84	300	B	A50C3P1-84	424	A50L-30-00-84	394	C	A50LC3P1-84	618
65	65	4	A50-40-00-84	413	B	A50C4P1-84	568	A50L-40-00-84	507	C	A50LC4P1-84	772
85	85	3	A63-30-00-84	342	B	A63C3P1-84	502	A63L-30-00-84	436	C	A63LC3P1-84	696
105	105	3	A75-30-00-84	383	B	A75C3P1-84	576	A75L-30-00-84	477	C	A75LC3P1-84	770
105	105	4	A75-40-00-84	525	B	A75C4P1-84	672	A75L-40-00-84	619	C	A75LC4P1-84	866
120	120	3	A95-30-00-84	420	B	A95C3P1-84	720	---	---	---	---	---
200	200	3	A145-30-00-84	785	E	A145C3P1-84	1,336	---	---	---	---	---
300	300	3	A210-30-00-84	1,595	F	A210C3P1-84	3,624	---	---	---	---	---
400	400	3	A300-30-00-84	1,835	F	A300C3P1-84	3,864	---	---	---	---	---

Normally Closed Power Poles			Electrically Held					Mechanically Held				
Ballast Amp Rating	Incandescent (Tungsten) Amp Rating	Number of Power Poles	Open Type		UL Type 1 Enclosed			Open Type		UL Type 1 Enclosed		
			Catalog number	List price	Enclosure Size	Catalog number	List price	Catalog number	List price	Enclosure Size	Catalog number	List price
30	20	4	A16-04-00-84	\$ 165	A	A16C4NCP1-84	\$ 220	A16L-04-00-84	\$ 259	A	A16LC4NCP1-84	\$ 314
30	20	8	A16-08-00-84	362	A	A16C8NCP1-84	417	A16L-08-00-84	550	A	A16LC8NCP1-84	605
30	20	12	A16-012-00-84	527	A	A16C12NCP1-84	582	A16L-012-00-84	809	A	A16LC12NCP1-84	864

Coil voltage selection

All catalog numbers include a 120VAC coil. To select other coil voltages, substitute the code from the Coil Voltage Selection Chart for the two digits after the last dash in the catalog number.

Ex.: A 240V coil is required for an A75 contactor: A75-30-00-84

Coil voltage selection

Hz	Cntr Type	Volts																
		12	24	48	110	120	125	208	220	240	277	380	415	440	480	500	600	
60	A		81	83	84	84			34	36	80	42		86	86	51	53	55
50	A		81	83	84				80				85	86				55

For other voltages, consult factory

Control transformer option

Contacteur size	VA rating	List price adder
A9 - A40	45	\$ 300
A9 - A40	50	360
A50 - A75	75	435
A95	100	560
A145	150	720
A210 - A300	250	795

Control transformer voltage selection chart

		Volts			
Hz	Type	208/120	230 - 240/120	460 - 480/120	575 - 600/120
50/60	A	0	7	8	9

For other voltages, consult factory

A9 - A300

Electrically & mechanically held

2 Normally Open & 2 Normally Closed Power Poles			Electrically Held					Mechanically Held				
Ballast Amp Rating	Incandescent (Tungsten) Amp Rating	Number of Power Poles	Open Type		UL Type 1 Enclosed			Open Type		UL Type 1 Enclosed		
			Catalog number	List price	Enclosure Size	Catalog number	List price	Catalog number	List price	Enclosure Size	Catalog number	List price
15	15	2NO/2NC	A9-22-00-84	\$ 120	A	A9C22P1-84	\$ 175	A9L-22-00-84	\$ 214	A	A9LC22P1-84	\$ 269
30	20	2NO/2NC	A16-22-00-84	165	A	A16C22P1-84	220	A16L-22-00-84	259	A	A16LC22P1-84	314
35	35	2NO/2NC	A26-22-00-84	228	A	A26C22P1-84	283	A26L-22-00-84	322	B	A26LC22P1-84	409
60	60	2NO/2NC	A45-22-00-84	360	B	A45C22CP1-84	536	A45L-22-00-84	454	C	A45LC22CP1-84	730
105	105	2NO/2NC	A75-22-00-84	525	B	A75C22CP1-84	672	A75L-22-00-84	619	C	A75LC22CP1-84	866

NEMA rated

Normally open Power Poles 600 VAC Max.			Electrically held Open type	
Ballast Amp Rating	Incandescent (Tungsten) Amp rating	Number of Power poles 1	Catalog number	List price
30	30	3	L30A3010★	\$ 189
60	60	3	L60A3010★	297
100	100	3	L100A3000★	389
200	200	3	L200A3000★	785

Control transformer option

Contactor size	VA rating	List price adder
A9 - A40	45	\$ 300
A9 - A40	50	360
A50 - A75	75	435
A95	100	560
A145	150	720
A210 - A300	250	795

Control transformer voltage selection chart

Hz	Type	Volts			
		208/120	230 - 240/120	460 - 480/120	575 - 600/120
50/60	A	0	7	8	9

For other voltages, consult factory

Coil voltage selection

All catalog numbers include a 120VAC coil. To select other coil voltages, substitute the code from the Coil Voltage Selection Chart for the two digits after the last dash in the catalog number.

Ex.: A 240V coil is required for an A75 contactor: A75-30-00-80

Coil voltage selection

Hz	Cntr Type	Volts															
		12	24	48	110	120	125	208	220	240	277	380	415	440	480	500	600
60	A		81	83	84	84		34	36	80	42		86	86	51	53	55
50	A		81	83	84				80				85	86			55

For other voltages, consult factory



CAL5-11

CA5-10





WB75-01



RV5/50

Accessories

Auxiliary contact blocks

Mounting on contactors	Positioning	Contacts		Catalog number	List price
					
A 9 ... A 95	Front face	1	-	CA5-10 CA5-01	\$ 15
A 9 ... A 40	Front face	3	1	CA5-31M CA5-22M	
A 9 ... A 75	Side	1	1	CAL5-11	30
A 95 ... A 300	Side	1	1	CAL18-11	
A145... A 300	Side	1	1	CAL18-11B	

Mechanical latch

For contactors	Voltage	Catalog number	List price
A 9 ... A 75	24 ... 28 V a.c./d.c.	WB75-01	\$ 84
	48 ... 55 V a.c./d.c.	WB75-03	
	110 ... 127V a.c./d.c.	WB75-04	
	230 ... 277 V a.c./d.c.	WB75-05	
	380 ... 440 V a.c./d.c.	WB75-07	
	440 ... 480 V a.c./d.c.	WB75-08	

Surge suppressor, varistor

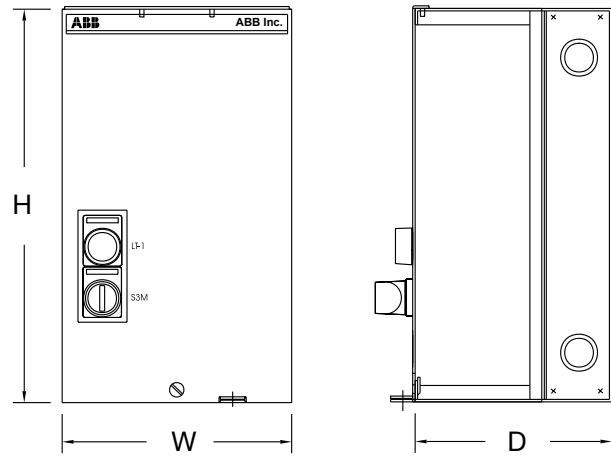
For contactors	Voltage range	Catalog number	List price
A 9 ... A 110	24 ... 50 V a.c./d.c.	RV5/50	\$ 30
	50 ... 133 V a.c./d.c.	RV5/133	
	110 ... 250 V a.c./d.c.	RV5/250	
	250 ... 440 V a.c./d.c.	RV5/440	

Factory modifications for enclosed contactors

Pilot devices

Description	Suffix code	List price
Selector - 2 position maintained OFF - ON	C	\$ 72
Selector - 3 position maintained HAND OFF - AUTO	D	72
Pilot light - ON (green)	R	135

Approximate dimensions



Enclosure dimensions (in)

Type	H	W	D
A	11	6	5
B	13	9	7
C	14	12	8
D	24	12	8
E	30	24	9

