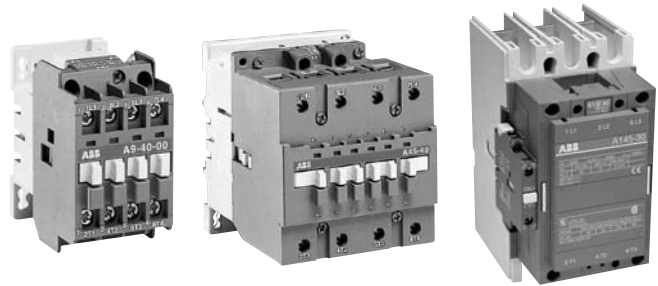


ABB Lighting contactors A9 – A300



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		A	A9C4P1-84		A9L-40-00-84		A	A9LC4P1-84	
15	15	8	A9-80-00-84		A	A9C8P1-84		A9L-80-00-84		A	A9LC8P1-84	
15	15	12	A9-120-00-84		A	A9C12P1-84		A9L-120-00-84		A	A9LC12P1-84	
30	20	4	A16-40-00-84		A	A16C4P1-84		A16L-40-00-84		A	A16LC4P1-84	
30	20	8	A16-80-00-84		A	A16C8P1-84		A16L-80-00-84		A	A16LC8P1-84	
30	20	12	A16-120-00-84		A	A16C12P1-84		A16L-120-00-84		A	A16LC12P1-84	
30	30	4	A16-40L-00-84		A	A16C4PL1-84		A16L-40L-00-84		A	A16LC4PL1-84	
30	30	8	A16-80L-00-84		A	A16C8PL1-84		A16L-80L-00-84		A	A16LC8PL1-84	
30	30	12	A16-120L-00-84		A	A16C12PL1-84		A16L-120L-00-84		A	A16LC12PL1-84	
35	35	4	A26-40-00-84		A	A26C4P1-84		A26L-40-00-84		B	A26LC4P1-84	
35	35	8	A26-80-00-84		A	A26C8P1-84		A26L-80-00-84		B	A26LC8P1-84	
35	35	12	A26-120-00-84		B	A26C12P1-84		A26L-120-00-84		B	A26LC12P1-84	
50	50	3	A30-30-10-84		A	A30C3P1-84		A30L-30-10-84		C	A30LC3P1-84	
60	60	3	A40-30-10-84		A	A40C3P1-84		A40L-30-10-84		C	A40LC3P1-84	
60	60	4	A45-40-00-84		B	A45C4P1-84		A45L-40-00-84		C	A45LC4P1-84	
65	65	3	A50-30-00-84		B	A50C3P1-84		A50L-30-00-84		C	A50LC3P1-84	
65	65	4	A50-40-00-84		B	A50C4P1-84		A50L-40-00-84		C	A50LC4P1-84	
85	85	3	A63-30-00-84		B	A63C3P1-84		A63L-30-00-84		C	A63LC3P1-84	
105	105	3	A75-30-00-84		B	A75C3P1-84		A75L-30-00-84		C	A75LC3P1-84	
105	105	4	A75-40-00-84		B	A75C4P1-84		A75L-40-00-84		C	A75LC4P1-84	
120	120	3	A95-30-00-84		B	A95C3P1-84		---	---	---	---	---
200	200	3	A145-30-00-84		E	A145C3P1-84		---	---	---	---	---
300	300	3	A210-30-00-84		F	A210C3P1-84		---	---	---	---	---
400	400	3	A300-30-00-84		F	A300C3P1-84		---	---	---	---	---

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		A	A16C4NCP1-84		A16L-04-00-84		A	A16LC4NCP1-84	
30	20	8	A16-08-00-84		A	A16C8NCP1-84		A16L-08-00-84		A	A16LC8NCP1-84	
30	20	12	A16-012-00-84		A	A16C12NCP1-84		A16L-012-00-84		A	A16LC12NCP1-84	

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	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

Contactors size	VA rating	List price adder
A9 - A40	45	
A9 - A40	50	
A50 - A75	75	
A95	100	
A145	150	
A210 - A300	250	

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

A9 - A300

Electrically & mechanically held

2 Normally Open & 2 Normally Closed Power Poles			Electrically Held					Mechanically Held				
			Open Type		UL Type 1 Enclosed			Open Type		UL Type 1 Enclosed		
Ballast Amp Rating	Incandescent (Tungsten) Amp Rating	Number of Power Poles	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		A	A9C22P1-84		A9L-22-00-84		A	A9LC22P1-84	
30	20	2NO/2NC	A16-22-00-84		A	A16C22P1-84		A16L-22-00-84		A	A16LC22P1-84	
35	35	2NO/2NC	A26-22-00-84		A	A26C22P1-84		A26L-22-00-84		B	A26LC22P1-84	
60	60	2NO/2NC	A45-22-00-84		B	A45C22CP1-84		A45L-22-00-84		C	A45LC22CP1-84	
105	105	2NO/2NC	A75-22-00-84		B	A75C22CP1-84		A75L-22-00-84		C	A75LC22CP1-84	

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★	
60	60	3	L60A3010★	
100	100	3	L100A3000★	
200	200	3	L200A3000★	

Control transformer option

Contacting size	VA rating	List price adder
A9 - A40	45	
A9 - A40	50	
A50 - A75	75	
A95	100	
A145	150	
A210 - A300	250	

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

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	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