

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: E36588 (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	Enclosure Size	Catalog number	Catalog number	Enclosure Size	Catalog number
15	15	4	A9-40-00-84	A	A9C4P1-84	A9L-40-00-84	B	A9LC4P1-84
15	15	8	A9-80-00-84	A	A9C8P1-84	A9L-80-00-84	B	A9LC8P1-84
15	15	12	A9-120-00-84	A	A9C12P1-84	A9L-120-00-84	B	A9LC12P1-84
30	20	4	A16-40-00-84	A	A16C4P1-84	A16L-40-00-84	B	A16LC4P1-84
30	20	8	A16-80-00-84	A	A16C8P1-84	A16L-80-00-84	B	A16LC8P1-84
30	20	12	A16-120-00-84	A	A16C12P1-84	A16L-120-00-84	B	A16LC12P1-84
30	30	4	A16-40L-00-84	A	A16C4PL1-84	A16L-40L-00-84	B	A16LC4PL1-84
30	30	8	A16-80L-00-84	A	A16C8PL1-84	A16L-80L-00-84	B	A16LC8PL1-84
30	30	12	A16-120L-00-84	A	A16C12PL1-84	A16L-120L-00-84	B	A16LC12PL1-84
35	35	4	A26-40-00-84	B	A26C4P1-84	A26L-40-00-84	B	A26LC4P1-84
35	35	8	A26-80-00-84	B	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	B	A30C3P1-84	A30L-30-10-84	C	A30LC3P1-84
60	60	3	A40-30-10-84	B	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	Enclosure Size	Catalog number	Catalog number	Enclosure Size	Catalog number
30	20	4	A16-04-00-84	B	A16C4NCP1-84	A16L-04-00-84	B	A16LC4NCP1-84
30	20	8	A16-08-00-84	B	A16C8NCP1-84	A16L-08-00-84	B	A16LC8NCP1-84
30	20	12	A16-012-00-84	B	A16C12NCP1-84	A16L-012-00-84	B	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: A75-30-00-80

Coil voltage selection

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

For other voltages, consult factory

Control transformer option

Contactor size	VA rating
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

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	Enclosure Size	Catalog number	Catalog number	Enclosure Size	Catalog number
15	15	2 NO / 2 NC	A9-22-00-84	A	A9C22P1-84	A9L-22-00-84	A	A9LC22P1-84
30	20	2 NO / 2 NC	A16-22-00-84	B	A16C22P1-84	A16L-22-00-84	B	A16LC22P1-84
35	35	2 NO / 2 NC	A26-22-00-84	B	A26C22P1-84	A26L-22-00-84	B	A26LC22P1-84
60	60	2 NO / 2 NC	A45-22-00-84	B	A45C22CP1-84	A45L-22-00-84	C	A45LC22CP1-84
105	105	2 NO / 2 NC	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
30	30	3	L30A3010Δ
60	60	3	L60A3010Δ
100	100	3	L100A3000Δ
200	200	3	L200A3000Δ

Control transformer option

Contactor size	VA rating
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.

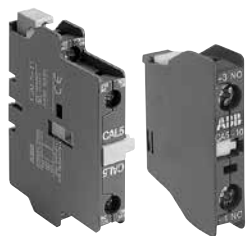
Ex.: A 240V coil is required for an A75 contactor: A75-30-00-80

Coil voltage selection

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

For other voltages, consult factory

Accessories Factory modifications



CAL5-11

CA5-10



WB75-01



RV5/50

Accessories

Auxiliary contact blocks

Mounting on contactors	Positioning	Contacts	Catalog number
A 9 ... A 95	Front face	1 - - 1	CA5-10 CA5-01
A 9 ... A 40	Front face	3 1 2 2	CA5-31M CA5-22M
A 9 ... A 75	Side	1 1	CAL5-11
A 95 ... A 300	Side	1 1	CAL18-11
A145... A 300	Side	1 1	CAL18-11B

Mechanical latch

For contactors	Voltage	Catalog number
A 9 ... A 75	24 ... 28 V a.c./d.c.	WB75A-01
	48 ... 55 V a.c./d.c.	WB75A-03
	110 ... 127V a.c./d.c.	WB75A-04
	230 ... 277 V a.c./d.c.	WB75A-05
	380 ... 440 V a.c./d.c.	WB75A-07
	440 ... 480 V a.c./d.c.	WB75A-08

Surge suppressor, varistor

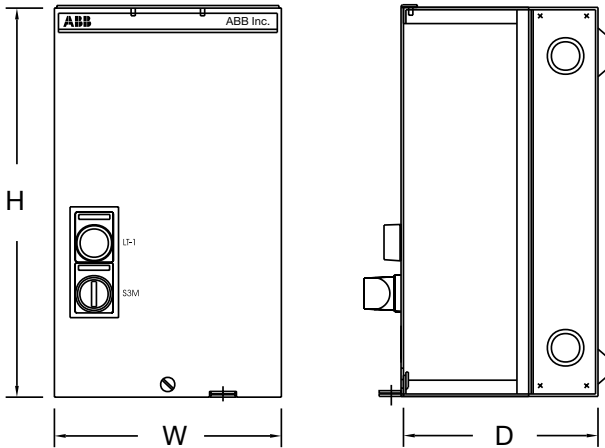
For contactors	Voltage range	Catalog number
A 9 ... A 110	24 ... 50 V a.c./d.c.	RV5/50
	50 ... 133 V a.c./d.c.	RV5/133
	110 ... 250 V a.c./d.c.	RV5/250
	250 ... 440 V a.c./d.c.	RV5/440

Factory modifications for enclosed contactors

Pilot devices

Description	Suffix code
Selector - 2 position maintained OFF - ON	C
Selector - 3 position maintained HAND OFF - AUTO	D
Pilot light - ON (green)	R

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