

Product Details and Certifications

Cross Reference RA Part Number: 500L-EOD93 A

 **Product: 500L-EOD93**

Description: 500L NEMA Top Wiring Electrically Held Lighting Contactor, NEMA 4, Open, 115-120V 60Hz, 3 Power Poles, 200 A



Representative Photo Only (actual product may vary based on configuration sections)

CONTACTOR DATA

Bulletin Number	500L NEMA Top Wiring Electrically Held Lighting Contactor
Enclosure Type	Open Type
Coil Voltage	115-120V 60Hz
Pole Configuration	3 Power Poles
Auxiliary Contacts	No

SYSTEM VOLTAGE DATA

Phases	3 Phases
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MOTOR DATA

Maximum Ampere Rating	200A All Non-Motor and Lighting Loads
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IMPORTANT INFORMATION

Enclosure Size [length x width x depth]	Open Style / Unknown
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CERTIFICATIONS AND APPROVALS

NEMA/EEMAC

UL

CSA

ABS

USCG

IEEE

CE

For UL Certifications Directory:

<http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm>



Lighting Contactors



						
Bulletin	100L	500LC	500LG	500FL	500L	500LP
Contactor Type	IEC	NEMA	NEMA	NEMA	NEMA	NEMA
Features	<ul style="list-style-type: none"> Multi-pole Electrically held 	<ul style="list-style-type: none"> Multi-pole Mechanically held 	<ul style="list-style-type: none"> Multi-pole Electrically or mechanically held RoHS Compliant IP1X/IP2X 	<ul style="list-style-type: none"> Feed-through wiring Electrically held 	<ul style="list-style-type: none"> Top wiring Electrically held 	<ul style="list-style-type: none"> Top wiring Permanent magnetic latch
Continuous Ampere Rating [A]	20	20 (Ballast, Tungsten) 30 (General)	30 (Ballast, General)	20...300	5...2250	15...300
1φ, 1 or 2 Power Poles	20 A 277V Max 15 A 347V Max	347V Max. (Ballast) 250V Max. (Tungsten)	347V Max. (Ballast) 277V Max. (Tungsten)	600V Max.	600V Max.	600V Max.
3φ, 3 or 4 Power Poles	20 A 480Y/277V Max 15 A 600Y/347V Max	600V Max. (Ballast) 250V Max. (Tungsten)	600V Max. (Ballast) 480V Max. (Tungsten)	600V Max.	600V Max.	600V Max.
Enclosures (NEMA Type)	IP42 (Type 1) IP66 (Type 3/4/12)	1, 3R, 4/4X, 12	Open, Type 1, 12	Open type	1, 3R/4/12, 4/4X, 7 & 9	1
Standards	<ul style="list-style-type: none"> UL 508 CSA C22.2, No. 14 	<ul style="list-style-type: none"> UL 508 CSA C22.2, No. 14 Suited for UL 67 Listed Panelboards 	<ul style="list-style-type: none"> UL 508 CSA C22.2, No. 14 CE Marked Suited for UL 67 listed panel boards 	<ul style="list-style-type: none"> NEMA/EEMAC ICS2 (Industrial Controls and Systems) UL 508 CSA C22.2, No. 14 ABS 4/5.115 USCG 46 CFR 111.70 IEEE 45 	<ul style="list-style-type: none"> NEMA/EEMAC ICS2 (Industrial Controls and Systems) UL 508 CSA C22.2, No. 14 ABS 4/5.115 USCG 46 CFR 111.70 IEEE 45 	<ul style="list-style-type: none"> NEMA/EEMAC ICS2 (Industrial Controls and Systems) UL 508 CSA C22.2, No. 14
Certifications	<ul style="list-style-type: none"> cULus Listed (File No. E14843, Guide No. NRNT, NRNT7) CE Marked 	<ul style="list-style-type: none"> UL Listed (File No. E14843, Guide No. NRNT) CSA Certified (File LR1234) 	<ul style="list-style-type: none"> cULus Listed (File No. E14843, Guide No. NRNT, NRNT7) CE Marked 	<ul style="list-style-type: none"> UL Listed (File No. E14843; Guide No. NRNT File No. E10314) CSA Certified (LR1234) CE Marked (Per EN 60947-4-1) American Bureau of Shipping (ABS) 	<ul style="list-style-type: none"> UL Listed (File No. E14843; Guide No. NRNT File No. E91593, Guide No. WTEV) CSA Certified (LR1234) CE Marked (Per EN 60947-4-1) American Bureau of Shipping (ABS) 	<ul style="list-style-type: none"> UL Listed (File No. E14843; Guide No. NRNT) CSA Certified (LR1234) American Bureau of Shipping (ABS)
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Combination Lighting Contactors

		
Bulletin	502L	503L
Contactor Type	NEMA	NEMA
Features	Combination lighting contactor	Combination lighting contactor
Disconnecting Means	Disconnect switch	Thermal magnetic circuit breaker
Continuous Ampere Rating [A]	15...300	15...300
Enclosures (NEMA Type)	1, 3R/4/12, 4/4X	1, 3R/4/12, 4/4X
Standards	<ul style="list-style-type: none"> UL 508 CSA C22.2, No. 14 	<ul style="list-style-type: none"> UL 508 CSA C22.2, No. 14
Certifications	<ul style="list-style-type: none"> cULus Listed 	<ul style="list-style-type: none"> cULus Listed
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NEMA AC Electrically Held Lighting Contactors

Product Overview/Product Selection



100 A, 3-Pole
Open Type without Enclosure

Bulletin 500L

- Top wiring electrically held
- For non-motor loads, lighting, and heating
- NEMA sizes to 2250 A
- Enclosure ratings: NEMA Type 1, 3R/12, 4/4X (stainless steel)
- Special purpose enclosures:
Type 4X glass reinforced polyester
Bolted — 7 & 9, and 3R, 7 & 9
- 2-, 3-, and 4-pole configurations

Bulletin 500L lighting contactors are electrically held contactors designed to switch the current to incandescent filament, fluorescent, mercury arc lamps, capacitors, and other non-motor loads. These contactors are not suitable for use on sign flashers.

Hold-in Contact — If a hold-in contact for 3-wire push button control is required, it must be specified on the order as a modification. A normally open auxiliary contact to be used as a hold-in contact can also be added in the field. See [S-1362200] for information.

Feeder disconnect type lighting contactors are used for turning large blocks of lights on and off.

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Standards Compliance

NEMA/EEMAC ICS 2
UL 508
CSA C22.2, No.14
ABS 4/5.115 — American Bureau of Shipping
UCSG 46 CFR 111.70
IEEE 45
EN/IEC 60947-4-1

Certifications

CSA Certified (LR1234, LR11924)
UL Listed (File No. E14843, Guide No. NRNT)
Hazardous Location: UL Listed (File No. E91593, Guide No. WTEV)
CE Marked

Top Wiring for Non-Motor and Lighting Loads

Maximum Continuous Ampere Ratings [A]		Open Type Without Enclosure
Tungsten Lamp Loads (Max. 480V Line, 277V Load)	General Use	
	Resistive Heating	
	Ballast Lighting (Fluorescent)	
	Discharge Lighting (Mercury Vapor High Pressure Sodium and Metal Halide)	Cat. No.
2 Power Poles • 600V AC Maximum • 60 Hz		
5	10	500L-TO [⊗] 92
15	20	500L-AO[⊗]92
30	30	500L-BO[⊗]92
60	60	500L-CO[⊗]92
100	100	500L-DO [⊗] 92
200	200	500L-EO[⊗]92
300	300	500L-FO[⊗]92
540	540	—
810 [*]	810	500L-HO [⊗] 92
1215 [‡]	1215	500L-JO [⊗] 92
2250 [‡]	2250	500L-KO [⊗] 92

⊗ Coil Voltage Code

The cat. no. as listed is incomplete. Select a coil voltage code from the table below to complete the cat. no.
Example: **Cat. No. 500L-AO[⊗]92** becomes **Cat. No. 500L-AOD92**. For other voltages, consult your local Rockwell Automation sales office or Allen-Bradley distributor.

[V]	24 [♣]	110-115	115-120	200-208	220-230	230-240	240	277	380	380-400	415	440-460	460-480	500	550	575-600
AC, 50 Hz	K	S [§]	—	—	P [‡]	—	T	—	N	KN	I	Q	—	M	R	—
AC, 60 Hz	J	—	D ^{>}	H	—	A ⁺	—	F	—	—	U	—	B	—	—	C

[⊗] Does not include line and load lugs, see page 1-113 for kits.
[♣] Only available on sizes 00...5. When using 24V coils on size 4 or 5, an interposing relay may be required. See coil VA values on page 1-130.
[§] This coil is optimized for 110...115V, 50 Hz applications, but can be used at 120V, 60 Hz nominal.
[>] This coil is optimized for 115...120V, 60 Hz applications, but can be used at 110V, 50 Hz nominal.
[‡] This coil is optimized for 220...230V, 50 Hz applications, but can be used at 240V, 60 Hz nominal.
⁺ This coil is optimized for 230...240V, 60 Hz applications, but can be used at 220V, 50 Hz nominal.



Note:
 Option 93 does not require
 Auxiliary Contact

Top Wiring for Non-Motor and Lighting Loads

Maximum Continuous Ampere Ratings [A]		Open Type Without Enclosure	Type 1 General Purpose Enclosure	Type 4/4X Watertight, Corrosion-Resistant Enclosure Stainless Steel	Type 3R/4/12 Rainproof, Dusttight Industrial Use Enclosure
Tungsten Lamp Loads (Max. 480V Line, 277V Load)	General Use				
	Resistive Heating				
	Ballast Lighting (Fluorescent)				
	Discharge Lighting (Mercury Vapor High Pressure Sodium and Metal Halide)				
		3 Power Poles • 600V AC Maximum • 60 Hz			
		Cat. No.	Cat. No.	Cat. No.*	Cat. No.
5	10	500L-TO@930	500L-TA@930	—	—
15	20	500L-AO@930	500L-AA@930	500L-AC@930	500L-AJ@930
30	30	500L-BO@930	500L-BA@930	500L-BC@930	500L-BJ@930
60	60	500L-CO@930	500L-CA@930	500L-CC@930	500L-CJ@930
100	100	500L-DO@930	500L-DA@930	500L-DC@930	500L-DJ@930
200	200	500L-EO@930	500L-EA@930	500L-EC@930	500L-EJ@930
300	300	500L-FO@930	500L-FA@930	500L-FC@930	500L-FJ@930
540*‡	540	500L-GO@930	500L-GA@930	500L-GC@930	500L-GJ@930
810*	810	500L-HO@930	500L-HA@930	500L-HC@930	500L-HJ@930
1215*	1215	500L-JO@930	500L-JA@930	—	—
2250*	2250	500L-KO@930	500L-KA@930	—	—
Tungsten Lamp Loads (Max. 480V Line, 277V Load)	General Use				
	Resistive Heating				
	Ballast Lighting (Fluorescent)				
	Discharge Lighting (Mercury Vapor High Pressure Sodium and Metal Halide)				
		4 Power Poles • 600V AC Maximum • 60 Hz			
		Cat. No.	Cat. No.	Cat. No.*	Cat. No.
5	10	500L-TO@94	500L-TA@940	—	—
15	20	500L-AO@94	500L-AA@940	500L-AC@940	500L-AJ@940
30	30	500L-BO@94	500L-BA@940	500L-BC@940	500L-BJ@940
60	60	500L-CO@94	500L-CA@940	500L-CC@940	500L-CJ@940
100	100	500L-DO@94	500L-DA@940	500L-DC@940	500L-DJ@940
200	200	500L-EO@94	500L-EA@940	500L-EC@940	500L-EJ@940
300	300	500L-FO@94	500L-FA@940	500L-FC@940	500L-FJ@940

⊗ Coil Voltage Code

The cat. no. as listed is incomplete. Select a coil voltage code from the table below to complete the cat. no.
 Example: **Cat. No. 500L-AO@94** becomes **Cat. No. 500L-AOD94**. For other voltages, consult your local Rockwell Automation sales office or Allen-Bradley distributor.

[V]	24*	110-115	115-120	200-208	220-230	230-240	240	277	380	380-400	415	440-460	460-480	500	550	575-600
AC, 50 Hz	K	S§	—	—	P‡	—	T	—	N	KN	I	Q	—	M	R	—
AC, 60 Hz	J	—	D>	—	—	A†	—	F	—	—	U	—	B	—	—	C

- * Fiberglass-reinforced polyester hubs are included with each starter.
- ‡ Does not include line and load lugs, see page 1-113 for kits.
- † Feed-through wiring only.
- * Only available on sizes 00...5. When using 24V coils on size 4 or 5, an interposing relay may be required. See coil VA values on page 1-130.
- § This coil is optimized for 110...115V, 50 Hz applications, but can be used at 120V, 60 Hz nominal.
- > This coil is optimized for 115...120V, 60 Hz applications, but can be used at 110V, 50 Hz nominal.
- ‡ This coil is optimized for 220...230V, 50 Hz applications, but can be used at 240V, 60 Hz nominal.
- † This coil is optimized for 230...240V, 60 Hz applications, but can be used at 220V, 50 Hz nominal.

Special Purpose Bolted Enclosures — Hazardous Location

Contactor		Type 7 & 9; Class I, Groups C & D; Class II, Groups E, F & G – Divisions 1 & 2 – Enclosure Code (E)	Type 3R, 7 & 9; Class I, Groups C & D; Class II, Groups E, F & G – Divisions 1 & 2 – Enclosure Code (H)
Size	Poles		
0	3	Available	Available
1			
2			
3			
4			
5			