

Product Details and Certifications

Cross Reference RA Part Number: 500FL-BOH93 B

 Product: **500FL-BOH93**

Description: 500FL NEMA Feed-Through Wiring Electrically Held Lighting Contactor, 30 A,
Open, 200-208V 60Hz, 3 Power Poles



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

CONTACTOR DATA

Bulletin Number	500FL NEMA Feed-Through Lighting Contactors
Maximum Ampere Rating	30A All Non-Motor and Lighting Loads
Enclosure Type	Open Type
Phases	3 Phases
Coil Voltage	200-208V 60Hz
Pole Configuration	3 Power Poles
Auxiliary Contacts	Yes

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
1ø, 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.
3ø, 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)
Product Selection	Page 6-3	Page 6-6	Page 6-11	Page 6-19	Page 6-17	Page 6-20



6

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
Product Selection	Page 6-21	Page 6-23

NEMA AC Electrically Held Lighting Contactors

Product Overview/Product Selection

 <p>30 A Open Type</p>  <p>100 A Open Type</p>	<p>Bulletin 500FL</p> <ul style="list-style-type: none"> • Feed-through wiring electrically held • For non-motor loads, lighting, and heating • NEMA sizes to 300 A • 2- and 3-pole configurations <p>Description</p> <p>Bulletin 500FL open type 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.</p> <p>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 page 1-112 for information.</p> <p>Feeder disconnect type lighting contactors are used for turning large blocks of lights on and off.</p>	<p>Table of Contents</p> <p>Product Selection this page</p> <p>Accessories..... 1-112</p> <p>Modifications 1-107</p> <p>Specifications..... 1-127</p> <p>Full Load Currents of AC Motors 1-133</p> <p>Approximate Dimensions..... 1-136</p> <p>Coil Data 1-130</p>
--	--	---

Standards Compliance

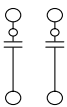
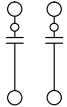
NEMA/EEMAC ICS 2
 UL 508
 CSA C22.2, No.14
 ABS 4/5.115 — American Bureau of Shipping
 UCSG 46 CFR 111.70
 IEEE 45
 EN/IEC 60947-4-1

Certifications

CSA Certified (LR1234)
 UL Listed (File No. E14843, Guide No. NRNT)
 CE Marked

Product Selection

Feed-Through Wiring for Non-Motor and Lighting Loads

2 Power Poles • 600V AC Maximum • 60 Hz			3 Power Poles • 600V AC Maximum • 60 Hz		
Maximum Continuous Ampere Ratings [A]		Open Type without Enclosure	Maximum Continuous Ampere Ratings [A]		Open Type without Enclosure
Tungsten Lamp Loads (Maximum 480V Line 277V Load)	Non-Motor Loads General Use		Tungsten Lamp Loads (Maximum 480V Line 277V Load)	Non-Motor Loads General Use	
	Resistive Heating			Resistive Heating	
	Ballast Lighting (Fluorescent)			Ballast Lighting (Fluorescent)	
		Discharge Lighting (Mercury Vapor High Pressure Sodium, and Metal Halide)		Cat. No.	
15	20	500FL-AO®92	15	20	500FL-AO®93
30	30	500FL-BO®92	30	30	500FL-BO®93
60	60	500FL-CO®92	60	60	500FL-CO®93
100	100	500FL-DO®92	100	100	500FL-DO®93
200	200	500FL-EO®92	200	200	500FL-EO®93
300	300	500FL-FO®92	300	300	500FL-FO®93

⊗ **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. 500FL-AO®92** becomes **Cat. No. 500FL-AOD92**. For other voltages, consult your local Rockwell Automatio 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

* 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.