



C30CN Lighting Contactors – Power Pole Kits

Power Pole Kits for Lighting Contactor C30CN series: C320PRP1 & C320PRP2

INTRODUCTION

The power pole kits are designed for use in the lighting contactor C320CN series. Power poles are available in both single pole (C320PRP1) and double pole (C320PRP2) versions. A maximum of twelve poles is offered. When installed, the power poles can be configured as either normally open “NO” or normally closed “NC” in position “1” to “4” on the lighting contactor base, while positions “5” and “6” can be configured as “NO” power pole only.



WARNING !

HAZARDOUS VOLTAGE.

Disconnect all power before working on equipment.
Electrical shock will cause severe injury or death.

TENSION DANGEREUSE.

Coupez l'alimentation avant travailler sur le produit.
Electrocution peut causer de sévères blessures ou la mort.

Removal and Conversion of Power Poles

1. If installed ensure that all power is disconnected.
2. For multiple possible configurations of the power pole, refer to Table A below.

of NC Contacts Desired (3)

NO	NC								
	0	1	2	3	4	5	6	7	8
0	00	01	02	03	04	05	06	07	08
1	10	11	12	13	14	15	16	17	18
2	20	21	22	23	24	25	26	27	28
3	30	31	32	33	34	35	36	37	38
4	40	41	42	43	44	45	46	47	48
5	50	51	52	53	54	55	56	57	
6	60	61	62	63	64	65	66		
7	70	71	72	73	74	75			
8	80	81	82	83	84				
9	90	91	92	93					
10	100	101	102						
11	110	111							
12	120								

Table A

Standard Catalog # C30CNE43A0

of NO Contacts Desired (4)

3. Remove block by using a screwdriver and pull the clip as shown (see Figure 1). Rotate block 180 degrees to convert from NO to NC or from NC to NO.

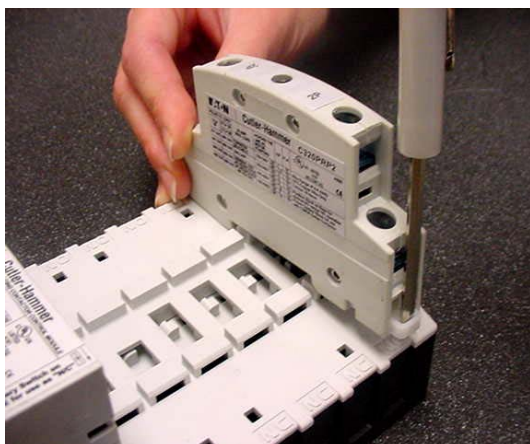


Figure 1

Installation of Power Poles

1. Check moving carrier to assure free movement
2. Install the block by sliding foot into slot; using a screwdriver pull the clip, and position block onto base. Release the clip.
3. Check for the lettering on the base. “NO” should be visible if the power pole is assembled as normally open, and “NC” should be visible if it is assembled as normally closed (see Figure 2).

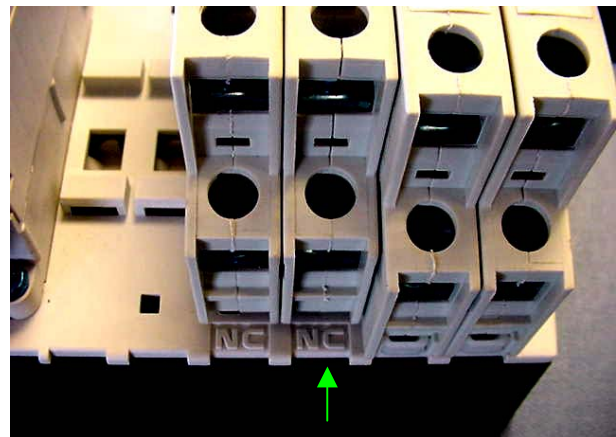


Figure 2

Termination

Power poles can accept wires from #14 to #8 AWG (either solid or stranded) as single or combination of two wires (refer to Table B on Page 2 for valid wire combination). Wire material must be copper with a temperature rating of 75 degrees C. Maximum tightening torque is 35 in-lbs. The cables are to be stripped for a length not exceeding 0.43 inch.

Size	Type	8 AWG	10 AWG		12 AWG		14 AWG	
		Stranded	Stranded	Solid	Stranded	Solid	Stranded	Solid
8 AWG	Stranded	X	X	X	X	X	X	X
10 AWG	Stranded	X	X	X	X	X	X	X
	Solid	X	X	X	X	X	X	X
12 AWG	Stranded	X	X	X	X	X	X	X
	Solid	X	X	X	X	X	X	X
14 AWG	Stranded	X	X	X	X	X	X	X
	Solid	X	X	X	X	X	X	X

Table B

Ordering details:

Power Poles:

C320PRP1	Single Power Pole
C320PRP2	Double Power Pole

Note:

These instructions do not purport to cover all details or variations in equipment nor provide for every possible contingency to be met in connection with installation, operation, or maintenance. Should further information be desired or should particular problems arise which are not covered sufficiently for the Purchase's purpose, the matter should be referred to Eaton e-Com Technical Support. Toll free telephone (800) 356-1243.