

# NEMA Full Voltage Power Devices

## NEMA Rated Full Voltage Starters - Magnetic

### CR123C, CR123F Panel Mounted Overload Relay Heaters

#### Heater Selection

#### Overload Relays

For CR324 Standard and Ambient Compensated Block Overloads—Panel-Mounted

Product Number	List Price Each, GO-10H
CR123C (All)	\$9.00
CR123F (All)	\$9.00

All CR123C and 123F heaters are packaged three to a carton. Items of these heaters, being ordered for either customer's stock or any other purpose, are to be specified in multiples of three (such as 3, 6, 9, 12, 15, etc.). Minimum order quantity is three.

Three Heaters					
Maximum Motor Full-Load Amperes	Heater Product Number	Maximum Fuse Rating	Maximum Motor Full-Load Amperes	Heater Product Number	Maximum Fuse Rating
<b>CR324C (Size 0, 1)</b>					
0.39	CR123C054A	3	3.89	CR123C466A	15
0.42	CR123C060A	3	4.30	CR123C526A	15
0.45	CR123C066A	3	4.77	CR123C592A	15
0.51	CR123C071A	3	5.14	CR123C630A	20
0.56	CR123C078A	3	5.63	CR123C695A	20
0.65	CR123C087A	3	6.26	CR123C778A	25
0.73	CR123C097A	3	7.15	CR123C867A	25
0.81	CR123C109A	3	7.58	CR123C955A	30
0.90	CR123C118A	3	8.39	CR123C104B	30
1.00	CR123C131A	3	9.11	CR123C113B	35
1.10	CR123C148A	3	9.67	CR123C125B	35
1.21	CR123C163A	3	11.0	CR123C137B	40
1.35	CR123C184A	3	11.9	CR123C151B	45
1.50	CR123C196A	6	14.3	CR123C163B	50
1.64	CR123C220A	6	16.1	CR123C180B	60
1.78	CR123C239A	6	17.2	CR123C198B	60
1.98	CR123C268A	6	19.2	CR123C214B <sup>1</sup>	70
2.15	CR123C301A	6	20.6	CR123C228B <sup>1</sup>	80
2.42	CR123C326A	6	21.8	CR123C250B <sup>1</sup>	80
2.88	CR123C356A	10	23.4	CR123C273B <sup>1</sup>	80
3.22	CR123C379A	12	26.1	CR123C303B <sup>1</sup>	90
3.53	CR123C419A	12	27.0	CR123C330B <sup>1</sup>	90
<b>CR324D (Size 2)</b>					
5.14	CR123C630A	20	8.39	CR123C104B	30
5.63	CR123C695A	20	9.11	CR123C113B	35
6.26	CR123C778A	20	9.67	CR123C125B	35
7.15	CR123C867A	25	11.0	CR123C137B	40
7.58	CR123C955A	30	12.0	CR123C151B	45
14.4	CR123C163B	60	28.0	CR123C303B	100
16.3	CR123C180B	60	32.1	CR123C330B <sup>1</sup>	110
17.3	CR123C198B	60	35.9	CR123C366B	125
19.3	CR123C214B	70	41.5	CR123C400B	150
20.9	CR123C228B	80	43.4	CR123C440B	150
22.9	CR123C250B	90	45.0	CR123C460B	150
24.7	CR123C273B	90			

<sup>1</sup>Size 1 only.

Three Heaters					
Maximum Motor Full-Load Amperes	Heater Product Number	Maximum Fuse Rating	Maximum Motor Full-Load Amperes	Heater Product Number	Maximum Fuse Rating
<b>CR324E (Size 3)</b>					
18.0	CR123F233B	70	44.4	CR123F567B	175
20.5	CR123F243B	80	48.4	CR123F614B	175
21.7	CR123F270B	80	52.4	CR123F658B	200
25.1	CR123F300B	90	57.0	CR123F719B	225
27.0	CR123F327B	100	64.5	CR123F772B	225
30.5	CR123F357B	110	68.8	CR123F848B	250
32.5	CR123F395B	125	75.7	CR123F914B	275
33.9	CR123F430B	125	86.2	CR123F104C	275
38.9	CR123F487B	150	90.0	CR123F114C	300
<b>CR324F (Size 4)</b>					
30.5	CR123F357B	100	68.6	CR123F848B	250
32.5	CR123F395B	125	75.7	CR123F914B	275
33.9	CR123F430B	125	86.2	CR123F104C	275
38.9	CR123F487B	150	93.0	CR123F114C	300
44.4	CR123F567B	175	109.0	CR123F118C	350
48.4	CR123F614B	175	123.0	CR123F133C	400
52.4	CR123F658B	200	131.0	CR123F149C	400
57.0	CR123F719B	225	135.0	CR123F161C	400
64.5	CR123F772B	225			



Publications and Reference: See Section 17 for a complete list of additional product-related publications

# NEMA Full Voltage Power Devices

## NEMA Rated Full Voltage Starters - Magnetic

### CR123C, CR123F Panel Mounted Overload Relay Heaters

## Section 1

### Heater Selection

#### Overload Relays

All CR123C and 123F heaters are packaged three to a carton. Items of these heaters, being ordered for either customer's stock or any other purpose, are to be specified in multiples of three (such as 3, 6, 9, 12, 15, etc.). Minimum order quantity is three.

Product Number	List Price Each, GO-10H
CR123K (All)	\$9.00
CR123L (All)	\$9.00

Maximum Motor Full-Load Amperes	Heater Product Number	Maximum Motor Full-Load Amperes	Heater Product Number	Maximum Motor Full-Load Amperes	Heater Product Number
<b>For CR124C (Size 0, 1)</b>		<b>For CR124D (Size 2)</b>		<b>For CR124F (Size 4)</b>	
0.33	CR123C036A	6.63	CR123C695A	17.2	CR123F181B
.37	CR123C039A	7.59	CR123C778A	19.0	CR123F199B
.41	CR123C043A	8.39	CR123C867A	21.0	CR123F218B
.46	CR123C048A	9.20	CR123C955A	22.9	CR123F233B
.52	CR123C054A	9.93	CR123C104B	24.8	CR123F243B
.57	CR123C060A	11.2	CR123C113B	27.2	CR123F270B
.61	CR123C066A	12.5	CR123C125B	30.0	CR123F300B
.67	CR123C071A	14.1	CR123C137B	33.0	CR123F327B
.75	CR123C078A	15.5	CR123C151B	36.2	CR123F357B
.84	CR123C087A	17.4	CR123C163B	40.0	CR123F395B
.94	CR123C097A	19.8	CR123C180B	44.0	CR123F430B
1.03	CR123C109A	21.2	CR123C198B	49.6	CR123F487B
1.14	CR123C118A	22.7	CR123C214B	56.5	CR123F567B
1.30	CR123C131A	24.9	CR123C228B	64.2	CR123F614B
1.42	CR123C148A	27.3	CR123C250B	71.8	CR123F658B
1.61	CR123C163A	29.7	CR123C273B	76.4	CR123F719B
1.72	CR123C184A	33.2	CR123C303B	86.6	CR123F772B
1.93	CR123C196A	39.0	CR123C330B	94.7	CR123F848B
2.10	CR123C220A	45.0	CR123C366B	103	CR123F914B
2.34	CR123C239A	<b>For CR124E (Size 3)</b>		115	CR123F104C
2.64	CR123C268A	17.2	CR123F181B	130	CR123F114C
2.86	CR123C301A	19.0	CR123F199B	135	CR123F118C
3.13	CR123C326A	21.0	CR123F218B	<b>For CR124G (Size 5)<sup>2</sup></b>	
3.32	CR123C356A	22.9	CR123F233B	89	CR123F395B
3.68	CR123C379A	24.8	CR123F243B	93	CR123F430B
4.08	CR123C419A	27.2	CR123F270B	100	CR123F487B
4.61	CR123C466A	30.0	CR123F300B	110	CR123F567B
5.21	CR123C526A	33.0	CR123F327B	120	CR123F614B
5.62	CR123C592A	36.2	CR123F357B	132	CR123F658B
6.12	CR123C630A	40.0	CR123F395B	145	CR123F719B
6.83	CR123C695A	44.0	CR123F430B	160	CR123F772B
7.70	CR123C778A	48.4	CR123F487B	176	CR123F848B
8.48	CR123C867A	53.3	CR123F567B	191	CR123F914B
9.19	CR123C955A	58.6	CR123F614B	213	CR123F104C
9.92	CR123C104B	64.4	CR123F658B	237	CR123F114C
11.1	CR123C113B	71.3	CR123F719B	258	CR123F118C
12.2	CR123C125B	78.0	CR123F772B	270	CR123F133C
13.5	CR123C137B	86.0	CR123F848B		
14.6	CR123C151B	90.0	CR123F914B		
16.1	CR123C163B				
17.9	CR123C180B				
19.3	CR123C198B <sup>1</sup>				
20.6	CR123C214B <sup>1</sup>				
22.6	CR123C228B <sup>1</sup>				
24.8	CR123C250B <sup>1</sup>				
27.0	CR123C273B <sup>1</sup>				

<sup>1</sup>For use on size 1 only.

<sup>2</sup>Two heaters required.

Product Number Selection Instructions: See page 1-155



# NEMA Full Voltage Power Devices

## NEMA Rated Full Voltage Starters - Magnetic

### CR123K, CR123L Panel Mounted Overload Relay Heaters

#### Heater Selection Overload Relays

Product Number	List Price Each, GO-10H
CR123K (All)	\$9.00
CR123L (All)	\$9.00

#### Standard-Trip Overload Heaters

Maximum Motor Full-Load Amperes					Heater Product Number
CR124K (Size 1)	CR124L (Size 2)	CR124M (Size 3)	CR124N (Size 4)	CR124P (Size 5)	
1.07	—	—	—	—	CR123K123A
1.19	—	—	—	—	CR123K135A
1.31	—	—	—	—	CR123K150A
1.45	—	—	—	—	CR123K165A
1.59	—	—	—	—	CR123K182A
1.77	—	—	—	—	CR123K200A
1.98	—	—	—	—	CR123K222A
2.21	—	—	—	—	CR123K249A
2.40	—	—	—	—	CR123K277A
2.62	—	—	—	—	CR123K301A
2.89	—	—	—	—	CR123K329A
3.17	—	—	—	—	CR123K362A
3.49	—	—	—	69.4	CR123K398A
3.82	—	—	—	76.8	CR123K438A
4.21	—	—	—	84.7	CR123K479A
4.65	4.65	—	—	99.2	CR123K527A
5.13	5.13	—	—	108	CR123K582A
5.69	5.69	—	—	120	CR123K642A
6.32	6.32	—	—	133	CR123K713A
6.99	6.99	—	—	144	CR123K791A
7.69	7.69	—	—	156	CR123K875A
8.37	8.37	—	—	167	CR123K963A
9.13	9.13	—	—	177	CR123K105B
9.96	9.96	—	—	199	CR123K114B
10.8	10.8	—	—	219	CR123K125B
11.7	11.7	—	—	242	CR123K136B
12.9	12.9	—	—	267	CR123K148B
14.1	14.1	—	—	270	CR123K163B
15.4	15.4	—	—	—	CR123K178B
16.9	16.9	—	—	—	CR123K194B
18.8	18.8	20.1	—	—	CR123K213B
20.7	20.7	22.5	—	—	CR123K236B
22.9	22.9	24.8	—	—	CR123K260B
25.5	25.5	27.3	—	—	CR123K288B
27.0	28.1	30.5	—	—	CR123K320B
—	30.9	32.2	—	—	CR123K352B
—	32.9	34.6	35.2	—	CR123K387B
—	36.2	40.9	42.7	—	CR123K425B
—	40.0	43.6	45.2	—	CR123K468B
—	45.0	45.3	48.2	—	CR123K515B
—	—	50.3	55.2	—	CR123K585B
—	—	55.8	57.2	—	CR123K650B
—	—	61.2	67.5	—	CR123K720B
—	—	67.0	69.0	—	CR123K790B
—	—	72.8	74.7	—	CR123K865B
—	—	81.4	82.4	—	CR123K940B
—	—	90.0	90.7	—	CR123K105C
—	—	—	103	—	CR123K118C
—	—	—	113	—	CR123K130C
—	—	—	125	—	CR123K143C
—	—	—	133	—	CR123K157C

All CR123K and 123L heaters are packaged three to a carton. Items of these heaters, being ordered for either customer's stock or any other purpose, are to be specified in multiples of three (such as 3, 6, 9, 12, 15, etc.). Minimum order quantity is three.

For CR124 Single-Element Overloads—Not mounted directly on starters.

#### Quick-Trip Overload Heaters

Maximum Motor Full-Load Amperes					
CR124K (Size 1)	CR124L (Size 2)	CR124M (Size 3)	CR124N (Size 4)	CR124P (Size 5)	Heater Product Number
1.53	—	—	—	—	CR123L174A
1.68	—	—	—	—	CR123L193A
1.84	—	—	—	—	CR123L211A
2.03	—	—	—	—	CR123L232A
2.25	—	—	—	—	CR123L255A
2.47	—	—	—	—	CR123L282A
2.73	—	—	—	—	CR123L310A
3.03	—	—	—	—	CR123L343A
3.35	—	—	—	—	CR123L380A
3.69	—	—	—	73.9	CR123L420A
4.07	—	—	—	81.6	CR123L463A
4.48	—	—	—	89.6	CR123L510A
4.93	—	—	—	99.2	CR123L561A
5.43	5.43	—	—	108	CR123L618A
5.99	5.99	—	—	119	CR123L680A
6.59	6.59	—	—	131	CR123L750A
7.27	7.27	—	—	144	CR123L825A
7.99	7.99	—	—	159	CR123L910A
8.87	8.87	—	—	177	CR123L100B
9.76	9.76	—	—	194	CR123L111B
10.7	10.7	—	—	215	CR123L122B
11.6	11.6	—	—	237	CR123L135B
13.1	13.1	—	—	263	CR123L147B
14.4	14.4	—	—	270	CR123L165B
15.8	15.8	—	—	—	CR123L181B
17.5	17.5	—	—	—	CR123L199B
19.2	19.2	21.7	—	—	CR123L220B
21.1	21.1	23.7	—	—	CR123L241B
23.3	23.3	25.0	—	—	CR123L265B
25.7	25.7	29.1	—	—	CR123L293B
27.0	28.0	29.9	—	—	CR123L322B
—	31.1	32.8	—	—	CR123L352B
—	32.9	34.9	34.2	—	CR123L390B
—	35.9	37.3	38.6	—	CR123L426B
—	41.5	42.9	45.4	—	CR123L464B
—	45.0	45.9	48.3	—	CR123L520B
—	—	50.3	54.0	—	CR123L593B
—	—	55.0	57.5	—	CR123L650B
—	—	61.0	62.6	—	CR123L710B
—	—	67.1	68.3	—	CR123L787B
—	—	73.6	75.6	—	CR123L866B
—	—	82.9	88.8	—	CR123L950B
—	—	90.0	100	—	CR123L107C
—	—	—	113	—	CR123L126C
—	—	—	123	—	CR123L142C
—	—	—	133	—	CCR123L155C



Publications and Reference: See Section 17 for a complete list of additional product-related publications