

NEMA Full Voltage Power Devices Pumping Panels

CR340, CR341

Heaters

Class 20 Overload Heaters

For use with polyphase motors. For continuous rated motors with a service factor of 1.15 to 1.25, select heaters from the heater table for the motor full-load amperes. This provides a maximum of 125% protection.

For continuous rated motors with 1.0 service factor, multiply the full-load amperes of the motor by 0.90 and use this value to select heaters.

Size 1 — Class 20 Overload Relay Heaters

Motor Full-Load Amps.

3-Phase 3-Heaters	Heater Product Number	Max. Fuse Rating	Max. Breaker Rating	TEC/TECL Rating
41-45	CR123C054A	3	—	—
46-49	CR123C060A	3	15	—
50-53	CR123C066A	3	15	—
54-59	CR123C071A	3	15	—
60-65	CR123C078A	3	15	—
66-76	CR123C087A	3	15	3
77-84	CR123C097A	3	15	3
85-93	CR123C109A	3	15	3
94-104	CR123C118A	3	15	3
105-115	CR123C131A	3	15	3
116-127	CR123C148A	3	15	3
128-139	CR123C163A	3	15	3
140-155	CR123C184A	6	15	3
156-173	CR123C196A	6	15	3
174-189	CR123C220A	6	15	3
190-205	CR123C239A	6	15	3
206-228	CR123C268A	6	15	3
229-247	CR123C301A	6	15	3
248-279	CR123C326A	10	15	7
280-331	CR123C356A	10	15	7
332-370	CR123C379A	10	15	7
371-406	CR123C419A	15	15	7
407-447	CR123C466A	15	15	7
448-495	CR123C526A	15	15	7
496-549	CR123C592A	20	20	7
550-591	CR123C630A	20	20	7
592-647	CR123C695A	25	20	15
648-720	CR123C778A	25	20	15
721-822	CR123C867A	30	30	15
823-872	CR123C955A	30	30	15
873-967	CR123C104B	35	30	15
968-104	CR123C113B	35	30	15
105-110	CR123C125B	40	40	15
11.1-12.4	CR123C137B	45	40	15
12.5-13.2	CR123C151B	50	50	15, 30
13.3-15.4	CR123C163B	60	50	30
15.5-17.1	CR123C180B	60	50	30
17.2-18.1	CR123C198B	70	50	30
18.2-20.0	CR123C214B	70	50	30
20.1-21.5	CR123C228B	80	50	30
21.6-22.5	CR123C250B	80	70	30
22.6-23.9	CR123C273B	80	70	30
24.0-26.3	CR123C303B	90	70	30, 50
26.4-27.0	CR123C330B	90	70	50

Size 2 — Class 20 Overload Relay Heaters

Motor Full-Load Amps.

3-Phase 3-Heaters	Heater Product Number	Max. Fuse Rating	Max. Breaker Rating	TEC/TECL Rating
5.48-5.85	CR123C630A	20	—	—
5.86-6.47	CR123C695A	20	—	—
6.48-7.35	CR123C778A	25	—	—
7.36-8.06	CR123C867A	30	—	—
8.07-9.03	CR123C955A	30	—	—
9.04-9.61	CR123C104B	35	30	15
9.62-10.5	CR123C113B	35	30	15
10.6-11.6	CR123C125B	40	40	15
11.7-12.5	CR123C137B	45	40	15
12.6-13.6	CR123C151B	50	50	15
13.7-16.7	CR123C163B	60	50	30
16.8-17.9	CR123C180B	60	50	30
18.0-18.7	CR123C198B	70	70	30
18.8-20.4	CR123C214B	80	70	30
20.5-22.7	CR123C228B	80	70	30
22.8-24.7	CR123C250B	90	70	30
24.8-26.3	CR123C273B	90	70	30
26.4-29.5	CR123C303B	100	100	30, 50
29.6-32.5	CR123C330B	100	100	50
32.6-36.7	CR123C366B	100	100	50
36.8-41.9	CR123C400B	100	100	50
42.0-43.2	CR123C440B	100	100	50
43.3-45.0	CR123C460B	100	100	—

Size 3 — Standard Or Ambient Compensated

Class 20 Overload Relay Heaters

Motor Full-Load Amps.

3-Phase 3-Heaters	Heater Product Number	Max. Fuse Rating	Max. Breaker Rating	TEC/TECL Rating
17.4-18.4	CR123F233B	70	70	30
18.5-21.1	CR123F243B	80	70	30
21.2-22.1	CR123F270B	80	70	30
22.2-26.1	CR123F300B	90	70	30
26.2-28.0	CR123F327B	100	100	50
28.1-31.3	CR123F357B	100	100	50
31.4-33.3	CR123F395B	100	100	50
33.4-34.3	CR123F430B	100	100	50
34.4-40.9	CR123F487B	100	100	50
41.0-44.7	CR123F567B	100	100	50, 100
44.8-51.0	CR123F614B	100	125	100
51.1-52.0	CR123F658B	100	125	100
52.1-55.4	CR123F719B	100	125	100
55.5-63.3	CR123F772B	100	150	100
63.4-66.1	CR123F848B	100	150	100
66.2-73.5	CR123F914B	100	150	100
73.6-82.2	CR123F104C	100	150	100
82.3-90.0	CR123F114C	100	150	100

Size 4 — Class 20 Overload Relay Heaters

Motor Full-Load Amps.

3-Phase 3-Heaters	Heater Product Number	Max. Fuse Rating	Max. Breaker Rating	TEC/TECL Rating
28.8-31.1	CR123F357B	110	100	50
31.2-33.3	CR123F395B	125	100	50
33.4-35.6	CR123F430B	125	100	50
35.7-42.6	CR123F487B	150	100	50, 100
42.7-45.2	CR123F567B	175	125	50, 100
45.3-51.1	CR123F614B	175	150	100
51.2-53.9	CR123F658B	200	150	100
54.0-56.9	CR123F719B	200	150	100
57.0-65.2	CR123F772B	200	175	100
65.3-68.6	CR123F848B	200	200	100
68.7-74.0	CR123F914B	200	200	100
74.1-86.0	CR123F104C	200	200	100, 150
86.1-90.7	CR123F114C	200	225	150
90.8-103	CR123F118C	200	225	150
104-109	CR123F133C	200	225	150
110-119	CR123F149C	200	225	150
120-131	CR123F161C	200	225	150
132-135	CR123F174C	200	225	150

