

Overload Relay Heater Selection Tables

Type ST Standard Trip Eutectic Alloy

For replacement in existing applications only; for motors with 1.15 service factor.

Table ST-1 NEMA Sizes 00, 0, 1, 1-1/2 For <i>Open Type</i> Catalog Prefix A10, A50, A700, B10, B50, C300 For <i>Enclosed Type</i> Catalog Prefix B10, B50, C300 Heater Ampere Range	Table ST-2 NEMA Sizes 00, 0, 1, 1-1/2 For <i>Enclosed Type</i> Catalog Prefix A10, A50, A460 ^① , A490 ^② , A700	Table ST-3 NEMA Size 2 For <i>Open Type</i> Catalog Prefix A10, A50, A700, B10, C300 For <i>Enclosed Type</i> Catalog Prefix B10, C300, A30, A40, A70, A80, A800-A803	Table ST-4 NEMA Size 2 For <i>Enclosed Type</i> Catalog Prefix A10, A50, A460 ^① , A490 ^② , A700	Table ST-5 NEMA Size 3 For <i>Open Type</i> Catalog Prefix A10, A50, A700, B10, C300 For <i>Enclosed Type</i> Catalog Prefix A70, A80, A800-A803, A808-A809, B10	Heater Catalog Number
0.167–0.187	0.155–0.173	—	—	—	H1101
0.188–0.210	0.174–0.195	—	—	—	H1102
0.211–0.237	0.196–0.220	—	—	—	H1103
0.238–0.266	0.221–0.247	—	—	—	H1104
0.267–0.298	0.248–0.278	—	—	—	H1105
0.299–0.334	0.279–0.310	—	—	—	H1106
0.335–0.376	0.311–0.349	—	—	—	H1107
0.377–0.422	0.350–0.391	—	—	—	H1108
0.423–0.474	0.392–0.441	—	—	—	H1109
0.475–0.532	0.442–0.495	—	—	—	H1110
0.533–0.598	0.496–0.555	—	—	—	H1111
0.599–0.672	0.556–0.624	—	—	—	H1112
0.673–0.757	0.625–0.703	—	—	—	H1113
0.758–0.855	0.704–0.795	—	—	—	H1114
0.865–0.959	0.796–0.895	—	—	—	H1115
0.960–1.07	0.896–0.999	—	—	—	H1116
1.08–1.21	1.00–1.12	—	—	—	H1117
1.22–1.35	1.13–1.25	—	—	—	H1018
1.36–1.52	1.26–1.41	—	—	—	H1019
1.53–1.70	1.42–1.58	—	—	—	H1020
1.71–1.90	1.59–1.77	—	—	—	H1021
1.91–2.10	1.78–1.96	—	—	—	H1022
2.11–2.33	1.97–2.17	—	—	—	H1023
2.34–2.62	2.18–2.44	—	—	—	H1024
2.63–2.93	2.45–2.72	—	—	—	H1025
2.94–3.27	2.73–3.04	—	—	—	H1026
3.28–3.64	3.05–3.38	—	—	—	H1066
3.65–4.06	3.39–3.73	3.72–4.10	—	—	H1027
4.07–4.55	3.74–4.18	4.11–4.59	3.86–4.31	—	H1028
4.56–5.03	4.19–4.63	4.60–5.07	4.32–4.77	—	H1029

Notes

① For A460 controllers, select heaters at 50% of rated full load current.

② For A490 controllers, select heaters at 58% of rated full load current.

Individually boxed heaters master packed 10 per carton.

Type 8LT Slow Trip Eutectic Alloy

For replacement in existing applications only; for motors with 1.15 service factor.

Table LT-1 NEMA Size 00, 0, 1, 1-1/2 For Enclosed Type Catalog Prefix A13	Table LT-2 For Open Type Catalog Prefix A13, C303 For Enclosed Type Catalog Prefix C303	Table LT-3 NEMA Size 2 For Enclosed Type Catalog Prefix A13	Table LT-4 NEMA Size 2 For Open Type Catalog Prefix A13, C303 For Enclosed Type Catalog Prefix C303	Table LT-5 NEMA Size 3 For Enclosed Type Catalog Prefix A13	Table LT-6 NEMA Size 3 For Open Type Catalog Prefix A13, C303	Table LT-7 NEMA Size 4 For Open Type Catalog Prefix A13, C303 For Enclosed Type Catalog Prefix A13	Table LT-8 NEMA Size 5 For Open and Enclosed Type Catalog Prefix A13	Heater Catalog Number
Heater Ampere Range								
0.167–0.186	0.167–0.186	—	—	—	—	—	—	H1001
0.187–0.209	0.187–0.209	—	—	—	—	—	—	H1002
0.210–0.233	0.210–0.233	—	—	—	—	—	—	H1003
0.234–0.260	0.234–0.260	—	—	—	—	—	—	H1004
0.261–0.293	0.261–0.293	—	—	—	—	—	—	H1005
0.294–0.329	0.294–0.329	—	—	—	—	—	—	H1006
0.330–0.373	0.330–0.373	—	—	—	—	—	—	H1007
0.374–0.417	0.374–0.417	—	—	—	—	—	—	H1008
0.418–0.471	0.418–0.471	—	—	—	—	—	—	H1009
0.472–0.531	0.472–0.531	—	—	—	—	—	—	H1010
0.532–0.591	0.532–0.591	—	—	—	—	—	—	H1011
0.592–0.660	0.592–0.660	—	—	—	—	—	—	H1012
0.661–0.739	0.661–0.739	—	—	—	—	—	—	H1013
0.740–0.823	0.740–0.823	—	—	—	—	—	—	H1014
0.824–0.919	0.824–0.919	—	—	—	—	—	—	H1015
0.920–1.01	0.920–1.01	—	—	—	—	—	—	H1016
1.02–1.14	1.02–1.14	—	—	—	—	—	—	H1017
1.15–1.27	1.15–1.27	—	—	—	—	—	—	H1018
1.28–1.41	1.28–1.41	—	—	—	—	—	—	H1019
1.42–1.61	1.42–1.61	—	—	—	—	—	—	H1020
1.62–1.86	1.62–1.86	—	—	—	—	—	96.8–111	H1021
1.87–2.01	1.87–2.01	—	—	—	—	—	112–120	H1022
2.02–2.27	2.02–2.27	—	—	—	—	—	121–136	H1023
2.28–2.51	2.28–2.51	—	—	—	—	—	137–150	H1024
2.52–2.80	2.52–2.80	—	—	—	—	—	151–168	H1025
2.81–3.21	2.81–3.21	—	—	—	—	—	169–192	H1026
3.22–3.51	3.22–3.51	—	—	—	—	—	193–210	H1066
3.52–3.86	3.52–3.86	3.67–3.99	3.67–3.99	—	—	—	211–231	H1027
3.87–4.36	3.87–4.36	4.00–4.51	4.00–4.51	—	—	—	232–261	H1028
4.37–4.78	4.37–4.83	4.52–5.03	4.52–5.03	—	—	—	262–293	H1029

Notes

Individually boxed heaters master packed 10 per carton.

Individually boxed heater coils master packed 10 per carton.