

2.1

NEMA Contactors and Starters

Freedom Series

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Heater Pack Selection

Heater packs H2001B to H2017B and H2101B to H2117B are to be used only with Series B overload relays Catalog Numbers C306DN3B (Part No. 10-7016) and C306GN3B (Part No. 10-7020). The load lugs are built into the overload relay

base to allow load wiring prior to heater pack installation. The previous heater design had integral load lugs. The Series B heater packs are electrically equivalent to the previous heater design. Heaters H2018-3 to H2024-3 have not changed.

Starters with Series B Overload Relays ^①

NEMA—AN Type		IEC—AE Type	
Size	Series	Size	Series
00-0	C	A-F	C
1-2	B	G-K	B
5	B	G-K	B
6	C	G-K	B
7-8	B	G-K	B

Heater Pack
H2001B–H2017B



Standard Trip—Class 20 Heater

Overload Relay Size	Motor Full Load Ampere Rating				Catalog Number ^②
	Dial Position				
	A	B	C	D	
For Use with NEMA Sizes 00-0 Series C, NEMA Sizes 1-2 Series B; IEC Sizes A-F Series C, IEC Sizes G-K Series B					
32A or 75A	0.254	0.306	0.359	0.411	H2001B-3
	0.375	0.452	0.530	0.607	H2002B-3
	0.560	0.676	0.791	0.907	H2003B-3
	0.814	0.983	1.15	1.32	H2004B-3
	1.20	1.45	1.71	1.96	H2005B-3
	1.79	2.16	2.53	2.90	H2006B-3
	2.15	2.60	3.04	3.49	H2007B-3
	3.23	3.90	4.56	5.23	H2008B-3
	4.55	5.50	6.45	7.40	H2009B-3
	6.75	8.17	9.58	11.0	H2010B-3
	9.14	10.8	12.4	14.0	H2011B-3
	14.0	16.9	19.9	22.8	H2012B-3
	18.7	22.7	26.7	30.7	H2013B-3
	23.5	28.5	33.5	38.5	H2014B-3
For Use with NEMA Size 2, IEC Sizes G-K Only, Series B					
75A	29.0	34.0	39.1	44.1	H2015B-3
	39.6	45.5	51.5	57.4	H2016B-3
	53.9	60.9	67.9	74.9	H2017B-3

Notes

- ① The series of a starter is the last digit of the listed catalog number. Example: AN16DN0AB.
- ② Heater packs are shipped three to a carton. catalog numbers are for three heater packs.

2.1

NEMA Contactors and Starters

Freedom Series

Replacement Parts

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Heater Pack Replacement

The heater pack series is determined by the 6th character of the catalog number. Series A or prior heater packs (identified by either “A” or “-” as the 6th character) have built-in load lugs. Series B or later heater

packs do not (load lugs are on overload relay). Replacement of Series A or earlier heater packs with Series B or later heater packs, requires the one time addition of Lug Adapter Kit C306KAL1-3B to the Series A1 overload relay.

Superseded Series A Heater Pack



Series B Heater Pack



Heater Pack Replacement Requirements

Existing Heater Pack Catalog Numbers	Replacement Product Required
H2001-3–H2013-3 H2001A-3–H2013A-3	Lug adapter kit C306KAL1-3B and Series B heater pack
H2001B-3–H2013B-3	Series B heater pack
H2014-3 H2014A-3	Replace with lug adapter kit C306KAL1-3B and Series B heater pack
H2014B-3	Series B heater pack
H2015-3–H2017-3	Replace with heater pack chosen from table below
H2015A-3–H2017A-3	Replace with lug adapter kit C306KAL1-3B and Series B heater pack
H2015B-3–H2017B-3	Series B heater pack

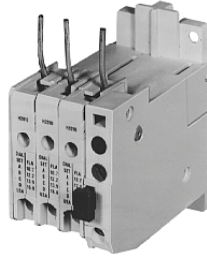
Heater Pack Ratings

Motor Full Load Ampere Rating

Dial Position	A	B	C	D	Order Heater Pack Catalog Number
	29.0	32.5	36.0	39.5	H2015B-3
	39.6	44.3	49.1	53.8	H2016B-3
	53.9	60.4	66.8	74.9	H2017B-3

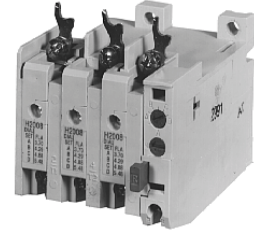
Overload Relay Lug Adapter Kit

Superseded 32A Series A Overload Relay—C306DN3



These kits are used in conjunction with Catalog Numbers H2001B–H2014B or H2101B–H2114B heater packs as a means of utilizing these Series B heater packs in Catalog Numbers C306DN3 and C306GN3 Series A1 overload relays. The kit consists of three lug

Superseded 75A Series A Overload Relay—C306GN3



adapters and installation instructions. When installing Series B heater packs plus lug adapters in Series A overload relays, refer to heater pack FLA adjustment tables originally supplied with equipment (also supplied with kit).

C306KAL1



Overload Relay Lug

Description	Catalog Number
Series A1 overload relay lug adapter kit	C306KAL1-3B

Overload Relay Replacement—Series A Only

When replacing a Catalog Number C306DN3 (Part No. 10-6044) or C306GN3 (10-6319) Series A overload relay on a starter, order a Series B overload relay and Series B heater packs.