

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 Size	Series	IEC—AE Type 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**

	Motor Full Load Ampere Rating Dial Position				
Overload Relay Size	A	B	C	D	Catalog Number ②
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					
32 A or 75 A	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					
75 A	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.

Accessories

DIN Rail and Panel Mounting Adapter

These adapters are required when component overload relays are to be separately mounted. The terminal base

adapter includes line terminals and connects with the overload relays on **Page V5-T2-41**.

C306TB1



DIN Rail and Panel Mounting Adapter

Description	Catalog Number
For 32 A overload relay	C306TB1
For 75 A overload relay	C306TB2B ①

Locking Cover for Overload Relay—C306 Only

Snap-on transparent or opaque plastic panel for covering access port to the overload relay trip setting

dial—helps prevent accidental or unauthorized changes to trip and reset setting.

Overload Relay Cover



Locking Cover for Overload Relay—C306 Only

Description	Min. Order Qty. (Std. Pkg.)	Catalog Number
Clear cover, no accessibility	50	C320PC3
Gray cover, no accessibility with auto only nib	50	C320PC4
Gray cover, no accessibility with manual only nib	50	C320PC5
Gray cover with FLA dial accessibility, A, B, C, D positions and auto only nib	50	C320PC6
Gray cover with FLA dial accessibility, A, B, C, D positions and manual only nib	50	C320PC7

Modifications

C306 Thermal Overload Relays with Mounting Adapter

Consists of a thermal overload relay mounted to a terminal base adapter—permits fast and easy installation.

C306 Thermal Overload Relays with Mounting Adapter

Description	Catalog Number
C306DN3B + C306TB1	C306DT3B
C306GN3B + C306TB2B	C306GT3B

Replacement Parts

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 32 A Series A Overload Relay—C306DN3



Superseded 75 A Series A Overload Relay—C306GN3



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

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.

Note

① This Series B adapter will accept Series A or B overload relays (C306GN3 or C306GN3B). C306TB2 can only be used with C306GN3.