

2.1

NEMA Contactors and Starters

Freedom Series

Product Selection

2

C306 Thermal Overload Relays

C306DN3B



Contactors

NEMA Size	Maximum Ampere Rating	Number of Poles	Open Type Catalog Number	NEMA 1 Enclosed Catalog Number
00, 0	32 ^②	3	C306DN3B	C306DG3B
1, 2	75 ^②	3	C306GN3B	C306GG3B
3	105 ^③	3	C306KN3	—
4	144 ^③	3	C306NN3	—
5–8 ^①	—	—	—	—

C306GN3B



C306DT3B



Standalone Applications

NEMA Size	Maximum Ampere Rating	Number of Poles	Open Type Catalog Number
00, 0, 1 ^④	32	3	C306DT3B
1 ^④	75	3	C306GT3B
3 ^⑤	105	3	C306KN3
4 ^⑤	144	3	C306NN3
5–8 ^⑥	—	—	—

C306GT3B



Notes

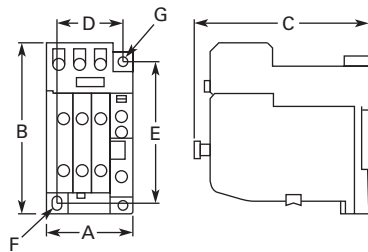
- ① NEMA Sizes 5–8 use the 32A overload in conjunction with CTs.
- ② Series B overload relays have load lugs built into relay base and will only accept Series B heater packs. These relays can be directly attached to contactor or they can be DIN rail or panel mounted using adapter on [Page V5-T2-44](#).
- ③ These relays can be panel mounted only.
- ④ Overload relay assembled with mounting adapter for DIN rail or panel mount.
- ⑤ Panel mount only.
- ⑥ NEMA Sizes 5–8 use the 32A overload in conjunction with CTs.

Dimensions

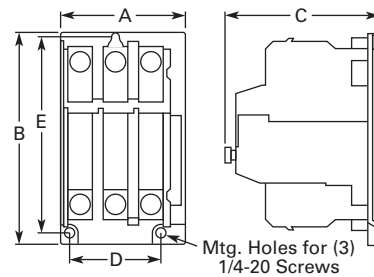
Approximate Dimensions in Inches (mm)

Stand-Alone Overload Relays

32A and 75A Sizes—C306DT38 and C306GT3B



105A and 144A Sizes—C306KN38 and C306NN3B



Dimensions and Shipping Weights

Ampere Size	Wide A	High B	Deep C	Mounting D	E	F (Slot)	G (Hole)	Shipping Weight Lbs (kg)
32A	1.77 (45.0)	4.13 (104.9)	3.69 (93.7)	1.36 (34.5)	3.74 (95.0)	0.18 x 0.30 (4.6 x 7.6)	0.18 (4.6) dia.	0.8 (0.4)
75A	2.54 (64.5)	4.69 (119.1)	3.74 (95.0)	2.00 (50.8)	3.45 (87.6)	0.22 x 0.26 (5.6 x 6.6)	0.21 (5.3) dia.	1.4 (0.6)
105 and 144A	4.00 (101.6)	7.17 (182.1)	4.91 (124.7)	3.00 (76.2)	6.62 (168.1)	—	—	4.0 (1.8)