

32A Overload—C306DN3B

2



Relays—Thermal Overload

Product Description

C306 Overload Relays are designed for use with CE or CN non-reversing and reversing contactors. Four sizes are available for overload protection up to 144A.

Features

- Selectable manual or automatic reset operation
- Interchangeable heater packs adjustable $\pm 24\%$ to match motor FLA and calibrated for use with 1.0 and 1.15 service factor motors. Heater packs for 32A overload relay will mount in 75A overload relay—useful in derating applications such as jogging
- Class 10 or 20 heater packs
- Load lugs built into relay base
- Bimetallic, ambient compensated operated. Trip free mechanism
- Electrically isolated NO-NC contacts (pull RESET button to test). (Electrical ratings see table on **Page V5-T2-46**)
- Overload trip indication
- Shrouded or fingerproof terminals to reduce possibility of electrical shock

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Standards and Certifications

- Meets UL 508 single-phasing requirements
- UL listed, CSA certified and NEMA compliance



Product Selection

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.