Thermal Circuit Protectors





The NEW CLB and CMB-Series provide reliable, cost effective Circuit Protection for a variety of applications.

Product Announcement TCP4/02 April 22, 2002		
For additional information on our Thermal Circuit Protectors, please contact a Carling Technologies Technical Customer Service Rep:		
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Fax	(860) 793-9231	
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	60 Johnson Avenue	
	Plainville, CT 06062-1177	

Carling Technologies is pleased to introduce our new CLB and CMB-Series Thermal Circuit Protectors.

The CLB and CMB-Series offer a reliable, cost effective solution to your circuit protection needs. This newest addition to the Carling family of circuit protection products is ideal for:

- general household appliances
- commercial appliances
- transportation
- marine
- telecommunications
- power strips
- · audio-visual equipment
- medical equipment
- power supplies

Specifications:

- AC/DC ratings to 40 amps
- · choice of snap-in or threaded mount
- 6 termination options
- 3 actuator/button color choices
- choice of metal or plastic bushing construction
- various hardware and indicator plate options
- UL, CUL and TUV certified

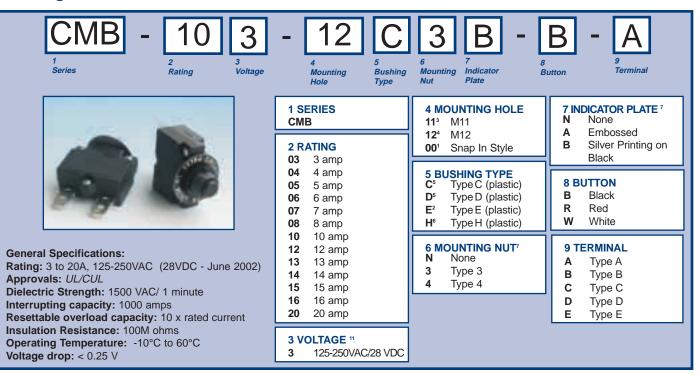
Product Availability:

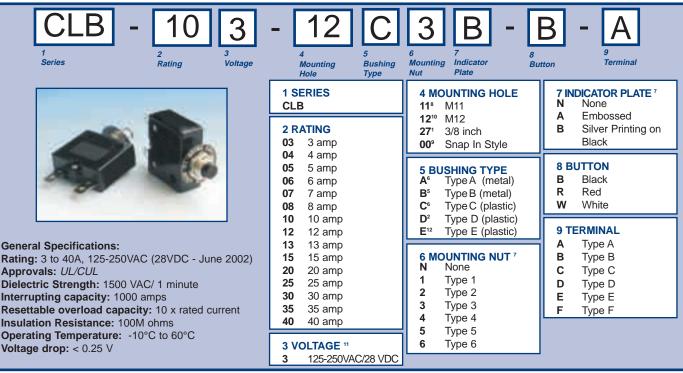
- Samples available.
- · Standard lead times for production quantities





Ordering Schemes



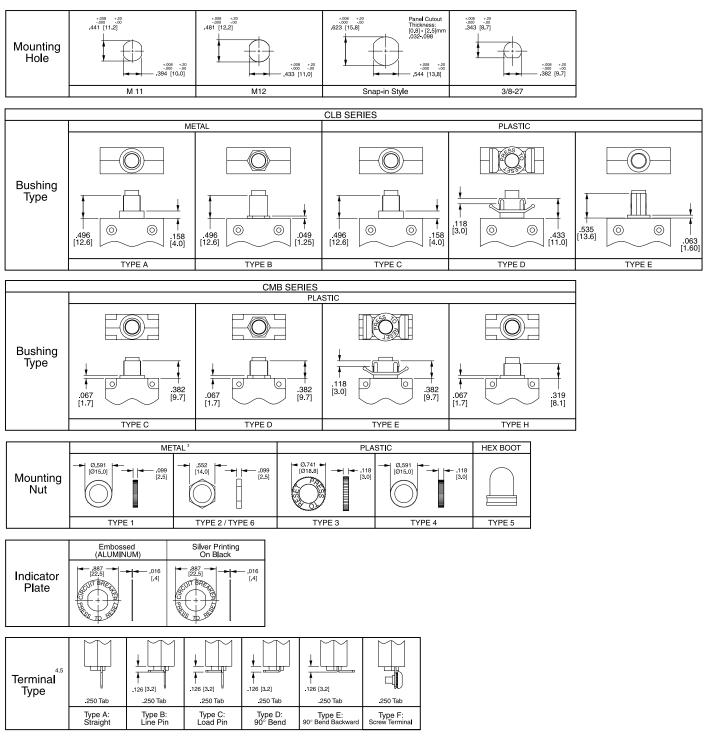


NOTES:

- 1 Used with bushing E only.
- 2 Used with mounting hole 00 only.
- 3 Used with bushing C or D only.
- 4 Used with H bushing only.
- 5 Used with M11 mounting hole only.6 Used with M12 mounting hole only.
- 7 All hardware is available separately. Consult factory.
- 8 Used with bushing A or B only.
- 9 Used with bushing D only.
- 10 Used with bushing C only.
- 11 UL/CUL approval at 28VDC expected June 2002.
- 12 Used with 27 mounting hole and Type 6 mounting nut only.



Dimensional Specifications



NOTES:

1 All dimensions are in inches [millimeters].

2 Tolerance ±.005 [.127] unless otherwise specified.

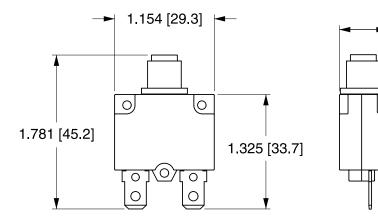
- 3 Type 6 mounting nut available with CLB-Series bushing E only.
- 4 35 and 40 amp ratings must use solder joint to connect wire to non-screw type terminals.
- 5 Type A, B, C, D and E terminals are supplied with .040 [1.0] thickness for rating 35 and 40.

For ratings below 35 amps, thickness is .315 [.8].

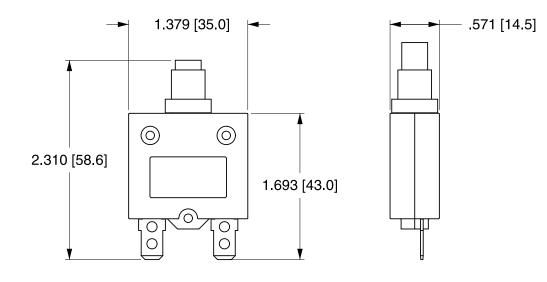


.552 [14.0]

CMB-Series Dimensional Specifications

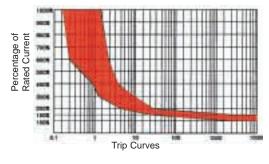






Time Delay Values

Trip Time in Seconds



CORRECTION FACTOR	
0°C	x .67
10°C	x .72
15°C	x .83
18°C	x .87
25°C	x 1.00
32°C	x 1.05
40°C	x 1.18
50°C	x 1.33
60°C	x 1.67

CMB SERIES ONLY		
OVERLOAD	TRIP TIME	
100%	NO TRIP	
150%	TRIP IN 1 HR	
200%	4 - 40 SEC.	
300%	1.2-12 SEC.	
400%	0.5 - 5.5 SEC.	
500%	0.4 - 3.5 SEC.	
600%	0.3 - 2.5 SEC.	

CLB SERIES ONLY		
OVERLOAD	TRIP TIME	
100%	NO TRIP	
150%	TRIP IN 1 HR	
200%	5 - 35 SEC.	
300%	1.5-9 SEC.	
400%	0.9 - 5.5 SEC.	
500%	0.5 - 3.5 SEC.	
600%	0.3 - 2.8 SEC.	

Warranty Policy

Carling Technologies, Inc. (Seller) warrants that goods sold hereunder shall be free of defects in material and workmanship for one year from date of shinment

In the event of such defects, the Seller's only obligation shall be the replacement or the cost of the defective goods, themselves, excluding, without limitation, labor costs, which are or may be required in connection with the replacement or reinstallation of the goods. This warranty is the Seller's sole obligation and excludes all other remedies or warranties, express or implied, including warranties of merchantability and fitness for a particular purpose, whether or not purposes or specifications are described herein. This Warranty expressly excludes any and all incidental, special and/or consequential damages of any nature. Seller further disclaims any responsibility for injury to person or damage to or loss of property or value caused by any product which has been subjected to misuse, negligence, or accident, or misapplied, or modified or repaired by a person or persons not authorized by the Seller or which have been improperly installed.

NOTES:

All dimensions are in inches [millimeters].

Tolerance $\pm .005$ [.127] unless otherwise specified.

Breaker must hold 100% of rated current and must trip at 150% and above, within the time limits shown in curve. Trip times specified at 25° ambient with no preloading. 1 To adjust the breaker rating for ambient temperature multiply the breaker rating by the factor. ex.) 5 amp rating at 0°C: 5 x .67 = 3.3 amp. Select 3 amp rating.