

CMBA/CLBA-Series

THERMAL CIRCUIT PROTECTORS

The CMBA/CLBA-Series features automatic cycling and resetting thermal protection capabilities with the same performance as its traditional push-to-reset counterparts.



Product Highlights:

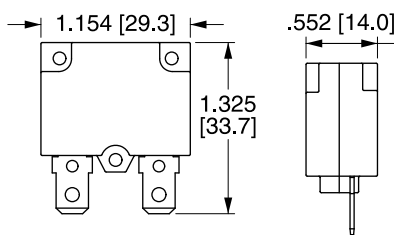
- CMBA: 3-20A, 125, 250VAC, 32VDC
- CLBA: 3-60A, 125, 250VAC, 32VDC
- 2500 VAC/1 minute
- 60°C Max Operating Temperature
- 2500A @ 32VDC Interrupting Capacity
- 100M ohms Insulation Resistance
- Voltage drop <0.25 V
- UL, cUL, TUV

Applications:

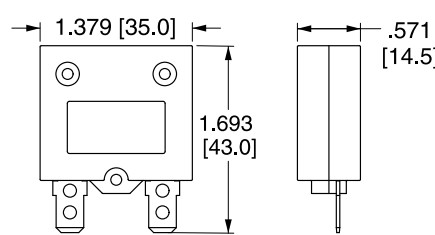
- Household Appliances
- Transportation
- Power Strips
- Medical Equipment
- Audio Visual Equipment
- Power Supplies
- ROHS Complaint

Dimensional Specifications: in. [mm]

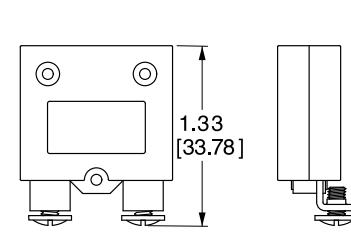
CMBA Construction



CLBA Construction: (3-40A)



(50A, 60A)



CMBA - 10 3 - NN F N N - B - A

1 Series 2 Rating 3 Voltage 4 Mounting 5 Bushing 6 Mounting Nut 7 Indicator Plate 8 Button Color 9 Terminal

1 SERIES
CMBA

2 RATING

03	3 amps	10	10 amps
04	4 amps	12	12 amps
05	5 amps	13	13 amps
06	6 amps	15	15 amps
07	7 amps	18	18 amps
08	8 amps	20	20 amps

3 VOLTAGE
3 125-250VAC/ 32 VDC

4 MOUNTING
NN Plug In

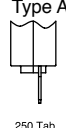
5 BUSHING
F None

6 MOUNTING NUT
N N/A

7 INDICATOR PLATE
N N/A

8 BUTTON COLOR
B Flush Black

9 TERMINAL
A Type A



.250 Tab

CLBA - 10 3 - NN F N N - B - A

1 Series 2 Rating 3 Voltage 4 Mounting 5 Bushing 6 Mounting Nut 7 Indicator Plate 8 Button Color 9 Terminal

1 SERIES
CLBA

2 RATING

03	3 amps	15	15 amps
04	4 amps	18	18 amps
05	5 amps	20	20 amps
06	6 amps	25	25 amps
07	7 amps	30	30 amps
08	8 amps	35	35 amps
10	10 amps	40	40 amps
12	12 amps	50 ¹	50 amps
13	13 amps	60 ¹	60 amps

3 VOLTAGE
3 125-250VAC/ 32 VDC

4 MOUNTING
NN Plug In

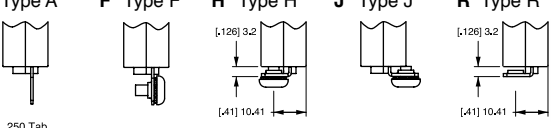
5 BUSHING
F None

6 MOUNTING NUT
N N/A

7 INDICATOR PLATE
N N/A

8 BUTTON COLOR
B Flush Black

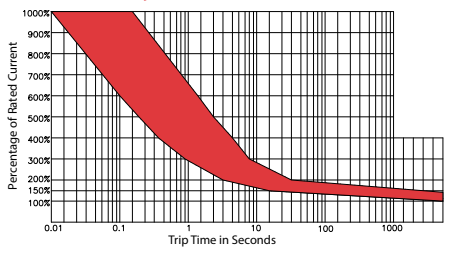
9 TERMINAL²
A Type A F Type F H Type H J Type J R Type R



.250 Tab

Notes:
1. Available with termination options F, H, J and R only.
2. Type A termination not available for 50A and 60A ratings.

Time Delay



Overload	Trip Time
100%	No Trip
150%	Trip in 1 hr
200%	4.0 ~ 40 sec.
300%	0.9 ~ 8.0 sec.
400%	0.42 ~ 5.0 sec.
500%	0.25 ~ 3.0 sec.
600%	0.01 ~ 1.8 sec.

Time Trip Factor ¹	
-10 °C	x 1.70
-5 °C	x 1.60
0 °C	x 1.50
5 °C	x 1.40
10 °C	x 1.30
15 °C	x 1.20
20 °C	x 1.10
25 °C	x 1.00

Time Trip Factor ¹	
30 °C	x 0.90
35 °C	x 0.85
40 °C	x 0.80
45 °C	x 0.75
50 °C	x 0.70
55 °C	x 0.65
60 °C	x 0.60

Notes:
1. Trip Time factor is a guideline that indicates ambient temperature effect on trip times at various overload values.

*Manufacturer reserves the right to change product specification without prior notice.

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