



Carling Technologies®
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Littelfuse®

C1005B-Series

Thermal Circuit Breaker

PRODUCT WEBPAGE

request sample, configure part



Combination Switch & Thermal Circuit Protector

Streamlining both switch and circuit protector into a single package, the C1005B-Series snaps into an industry standard .550 x 1.125 mounting hole to reduce wiring costs and save panel space. This single pole combination device is available with lighted or unlighted rocker actuator and rated from 7 to 16 amps, 125/250VAC, 32VDC with 1,000 AIC.

1

Pole

7-16

Amps

125-250

VAC Max

32

VDC Max

Typical Applications

- Household & Commercial Appliances
- Generators
- Marine
- Audio-Visual Equipment
- Power Strips and Supplies
- On/Off-Highway
- Telecom
- Medical Equipment

Ordering Scheme

Sample Part Number **C1005B - 3 B 15 1 B R 3**

Selection 1 2 3 4 5 6 7 8

1. SERIES

C1005B

2. ILLUMINATION

2 Non-Lighted **3** Lighted

3. TERMINATION

A Solder Lug **B** .250 Tab

4. CURRENT RATING (AMPERES)

07 7 amps	11 11 amps	15 15 amps
08 8 amps	12 12 amps	16 16 amps
09 9 amps	13 13 amps	
10 10 amps	14 14 amps	

5. CONTACT MATERIAL ¹

1 Silver Cad Oxide (switch), Silver plated copper (breaker)

6. BEZEL LEGEND IMPRINT

B Black Bezel with white legend
W White Bezel with black legend
C Gray Bezel with black legend

7. ROCKER COLOR

R Red
G Green
U Blue
T Clear

Note: RESET OFF Legend is standard.

8 LAMP VOLTAGE

3 Neon Lamp 125/250 VAC **9** Non-lighted

Notes:

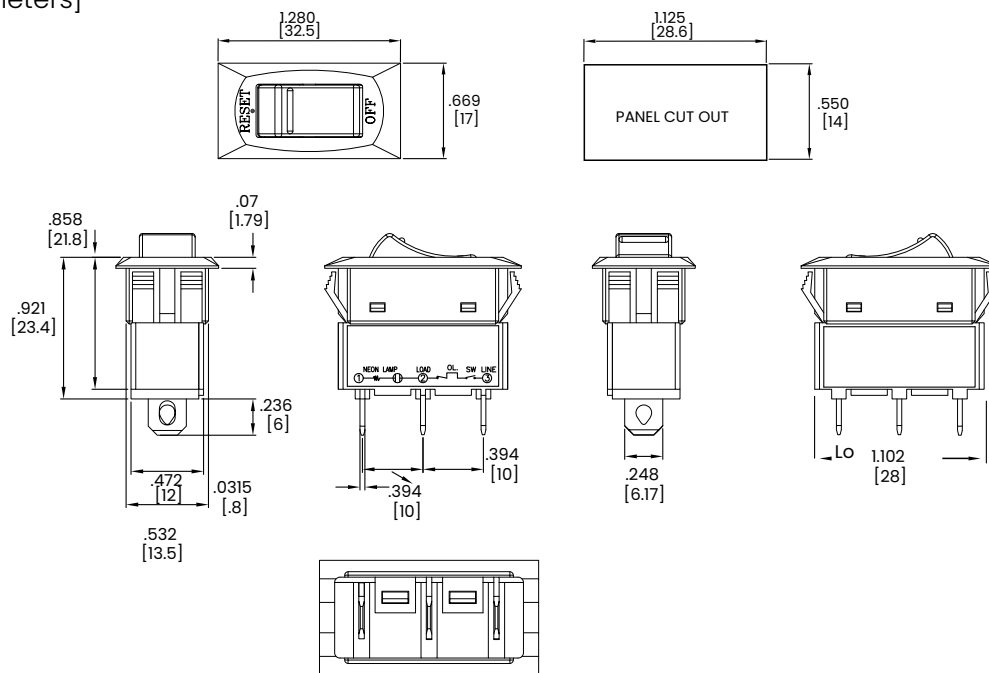
1. Silver cad oxide switch and breaker contacts are available as a special order. Specify 3 for selection 5

[Configure Complete Part Number >](#)

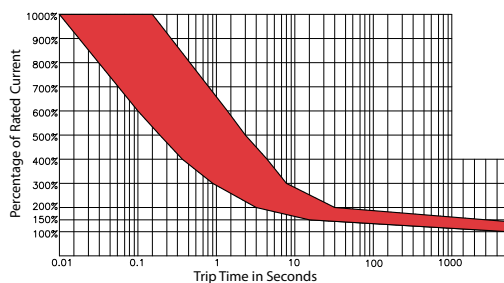
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Dimensional Specs

inches [millimeters]



Time Delay



Overload	Trip Time
100%	No Trip
135%	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.

Trip Time Factor ¹			
-10 °C	x 1.70	30 °C	x 0.90
-5 °C	x 1.60	35 °C	x 0.85
0 °C	x 1.50	40 °C	x 0.80
5 °C	x 1.40	45 °C	x 0.75
10 °C	x 1.30	50 °C	x 0.70
15 °C	x 1.20	55 °C	x 0.65
20 °C	x 1.10	60 °C	x 0.60
25 °C	x 1.00		

Notes:

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

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About Carling

Founded in 1920, Carling Technologies is a leading manufacturer of electrical and electronic switches and assemblies, circuit breakers, electronic controls, power distribution units, and multiplexed power distribution systems. With six ISO9001 and IATF16949 registered manufacturing facilities and technical sales offices worldwide, Carling Technologies Sales, Service and Engineering teams do much more than manufacture electrical components, they engineer powerful solutions! To learn more about Carling please visit www.carlingtech.com/company-profile.

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