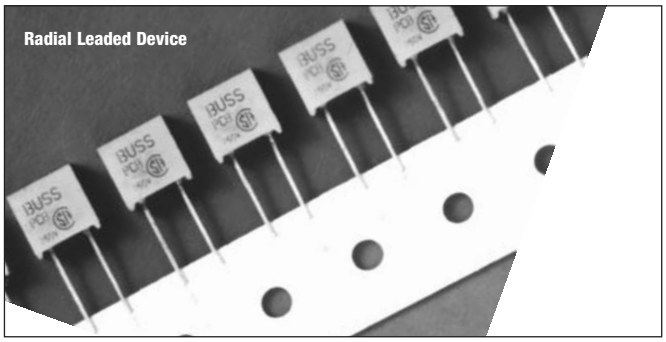
COOPER Bussmann

Subminiature, Radial Leaded, Fast-Acting Fuses
PC-Tron Series

RoHS 2002/95/EC



Description
- Radial leaded, fast-acting thru-hole fuse
- Ideal for high voltage DC applications
- Board washable
- Optional mounting socket available (PCS)
- Available in different lead configurations

AC Time-Current Characteristics	
% of Amp Rating	Opening Time
100%	4 hours minimum
200%	10 second maximum

Agency Information
- UL Recognized: E19180
- CSA: 42731

Part Number System/Ordering - An Option Code Must Be Selected
- Specify packaging code prefix, product and option code suffix

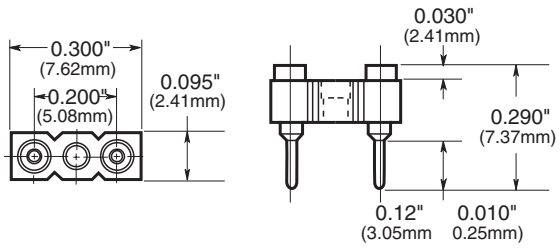
BK PCB- 1/2 -R

Packaging Code Prefix
Fuse Series
Amp Rating
Option Code Suffix

DC Application

The PC-Tron subminiature fuse is UL Recognized for DC supplementary overcurrent protection to provide individual protection for components or internal circuits in equipment. Suitability for a specific application is dependent on time constants and capacitance values. It is the responsibility of the customer to evaluate the information provided for applicability to their particular application.

PCS Mounting Socket (RoHS compliant)
- Available as option. Specify catalog number BK/PCS (100 in a polybag) and short fuse lead length — PCC or PCE



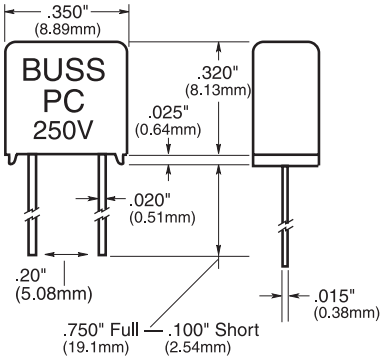
Specifications

Catalog Number	Lead Length	AC Voltage Rating	AC Interrupting	DC Voltage Rating	DC Interrupting Min.	DC Interrupting Max.
PCB-½, ¾, 1, 1-½, 2, 2-½	Full - 0.750" (straight)	250V	50A@250V - 10kA@125V	450V	300	5900A
PCB-3	Full - 0.750" (straight)	250V	50A@250V	350V	300	4400A
PCB-4	Full - 0.750" (straight)	-	-	400V	300	2500A
PCC-½, ¾, 1, 1-½, 2, 2-½	Short 0.100" (straight)	250V	50A@250V - 10kA@125V	450V	300	5900A
PCC-3	Short 0.100" (straight)	250V	50A@250V - 10kA@125V	350V	300	4400A
PCD-5	Full - 0.750" (straight)	125V	10kA@125V	250V	300	4200A
PCE-5	Short 0.100" (straight)	125V	10kA@125V	250V	300	4200A
PCF-½, ¾, 1, 1-½, 2, 2-½	0.475"	250V	50A@250V - 10kA@125V	450V	300	5900A
PCF-3	0.475"	250V	50A@250V - 10kA@125V	350V	300	4400A
PCG-5	0.475"	125V	10kA@125V	250V	300	4200A
PCH-½, ¾, 1, 1-½, 2, 2-½	0.125"	250V	50A@250V - 10kA@125V	450V	300	5900A
PCH-3	0.125"	250V	50A@250V - 10kA@125V	350V	300	4400A
PCH-4	0.125"	-	-	400V	300	2500A
PCI-5	0.125"	125V	10kA@125V	250V	300	4200A

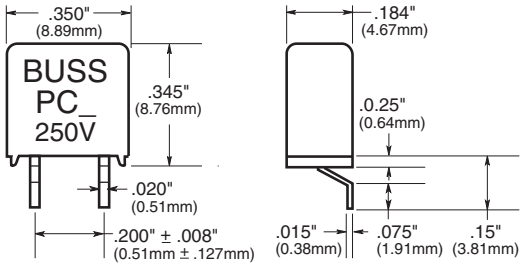
Device designed to carry rated current for four hours minimum. An operating current of 80% or less of rated current is recommended, with further derating required at elevated ambient temperatures.

Dimensions - mm (±0.005”/0.13mm)

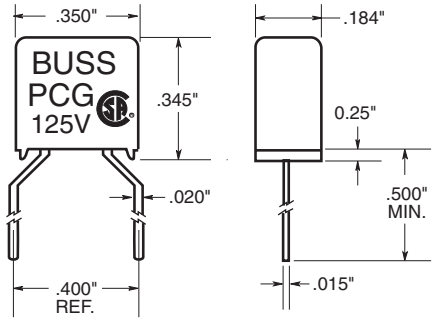
Standard Fuse (PCB, PCD)



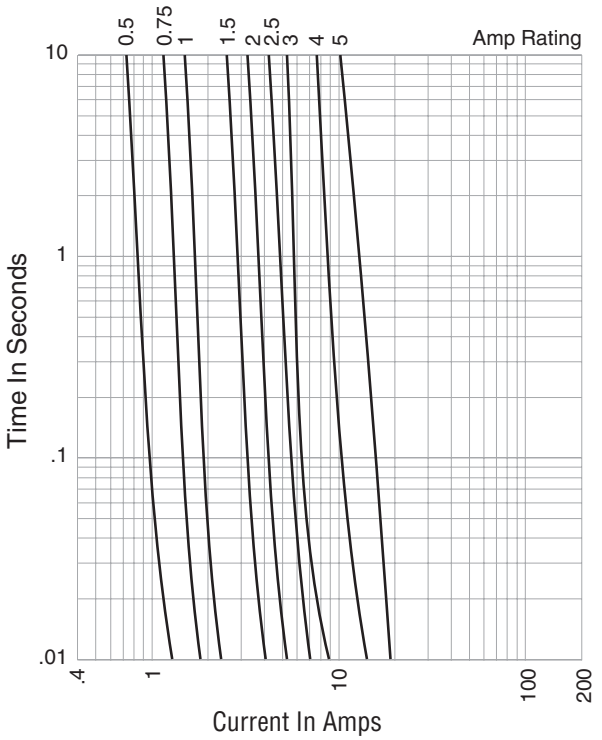
Dimensional Data (PCH, PCI)



Dimensional Data (PCF, PCG)



Time-Current Characteristic Curves–Average Melt



Max. Total Clearing I²t (Amps² Sec.)

Amp Rating	125Vac		250Vac	
	50A	1,000A	10,000A	35A & 50A
½A	0.006	0.006	0.006	0.006
¾A	0.016	0.016	0.016	0.016
1A	0.020	0.020	0.020	0.020
1-½A	0.090	0.090	0.090	0.090
2A	0.200	0.200	0.200	0.200
2-½A	0.300	0.300	0.300	0.300
3A	0.750	0.750	0.750	0.750
5A	5.0	5.0	5.0	—

Note: Power Factor > 0.90.

Packaging Code	
Packaging Code Prefix	**Description/Quantity**
Blank	5 fuses
BK	100 fuses in a carton
TR*	500 fuses on Tape-and-Reel

* Only for PCB and PCD

Option Code	
Option Code Suffix	**Description**
-R	RoHS Compliant
-SD	Solder Dipped

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