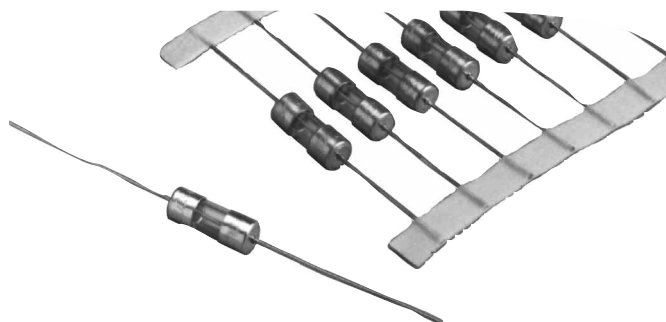


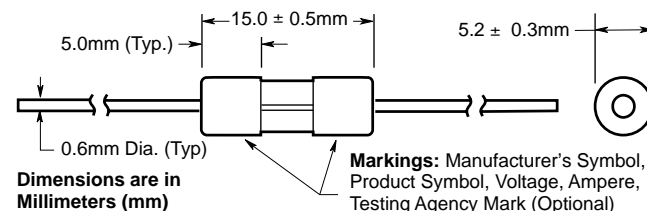
Light Ballast Protection

5mm x 15mm Ceramic Fuse

C517



Dimensional Data



C517 Axial Leaded Fast-Acting Fuse.

Limits for Pre-arcing Time/UL Listed Fuses.

Amp Ratings	135%	110%	200%
	MAX	MIN	MAX
3A	1 hr.	4 hr.	2 sec.

Time-Current Characteristics: (at 25°C Ambient)

Current	% of Rating	Opening Time
3.30	100%	4 hours min.
4.05A	135%	400 sec. typ.
6.00A	200%	0.550 sec. typ.
9.00A	300%	0.100 sec. typ.
12.0A	400%	0.046 sec. typ.
15.0A	500%	0.027 sec. typ.
24.0A	800%	0.007 sec. typ.
30.0A	1000%	0.004 sec. typ.

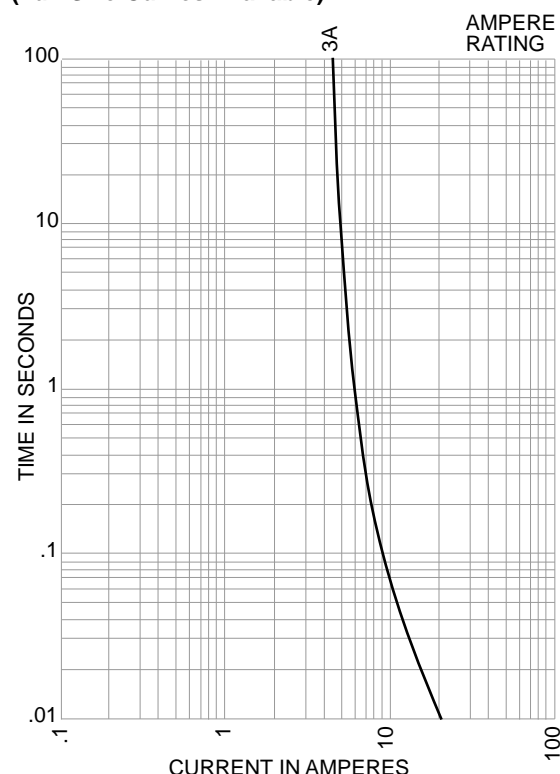
Agency File Numbers: UL Listing. File E75865, Guide # JDYX.
CSA Certification. File LR65063, Class 1422-01.
UL Recognized. File E75865, Guide # JDYX2.

Product Symbol: C517

Physical Fuse Size: 5 x 15mm

CE CE logo denotes compliance with European Union Low Voltage Directive (50-1000V AC, 75-1500V DC). Refer to BIF document #8002 or contact Bussmann Application Engineering at 314-527-1270 for more information.

Time-Current Characteristic Curves—Average Melt (Full Size Curves Available)



Mechanical Characteristics:

Materials: Endcaps are silver-plated brass; leads are tin-plated copper and tube is glass. Optional sleeve is flexible fluoropolymer (UL Flammability rating VW-1). The tube will self extinguish within one minute. 25% maximum flag burn per ASTM Flammability Test ASTM D2671 Procedure C.

Lead Pull: Leads will withstand a seven pound pull applied axially to the lead for five seconds.

Lead Bend: Leads will be bent 90 degrees in one direction, back to original direction, then 90 degrees in the opposite direction and return to the cycle. Leads will withstand two cycles. The bending is to be done with a two pound weight attached to the end of the lead.

Temp. Range: -55°C to +85°C with proper derating.

Weight: 1000 = 1.33kg.

Light Ballast Protection

5mm x 15mm Ceramic Fuse

C517

Electrical Characteristics:

Ampere Rating	Max. Rated Voltage AC	Interrupting Rating	Typical Pre-arcing I ² t (A ² S)	Typical Voltage Drop at 100% Rated Current (mV)	U.L.	U.R.	CSA
3A	350V	100A/350VAC p.f. = 1.0	5.2	160	•	•	•
		100A/250VAC p.f. = 0.7 - 0.8					
		10kA/125VAC p.f. = 0.7 - 0.8					

Marking: Endcaps will bear the following markings: manufacturer's symbol, product symbol, ampere rating, agency approval symbols and voltage rating (250V).

Note: parts can not be marked 350V since there is no provision within the CSA Standards for a 350V certification of a product in this case size. Smallest packages will bear 125V, 250V and 350V rating information.

Packaging & Ordering Information:

	C517		3A
	Product Symbol		Ampere Rating
Blank - Standard S - Transparent sleeve for sealed fuses.			
Package Code BK/ Bulk Package (100 pcs) TR/ Tape & Reel (500 pcs) TR1/ Tape & Reel (1,000 pcs) TR2/ Tape & Reel (1,500 pcs) NOTE: Tape & Reel Packaging per EIA 296-E (10.2mm Component Pitch and 52.4mm Tape-to-Tape Spacing)			

The only controlled copy of this BIF document is the electronic read-only version located on the Bussmann Network Drive. All other copies of this BIF document are by definition uncontrolled. This bulletin is intended to clearly present comprehensive product data and provide technical information that will help the end user with design applications. Bussmann reserves the right, without notice, to change design or construction of any products and to discontinue or limit distribution of any products. Bussmann also reserves the right to change or update, without notice, any technical information contained in this bulletin. Once a product has been selected, it should be tested by the user in all possible applications.