

JJN Limitron™ 300Vac, 1-1200A, fast-acting Class T fuses

RoHS



Catalog Symbol:

- JJN-(amp)

Description:

Eaton's Bussmann™ series Limitron™ advanced protection Class T current-limiting, fast-acting fuses.

Specifications:

Ratings

- Volts
 - 300 Vac (1-10 A)
 - 300 Vac, 160 Vdc (15-600 A)
 - 300 Vac, 170 Vdc (700-1200 A)
- Amps — 1-1200 A
- IR
 - 200kA Vac RMS Sym.
 - 20kA Vdc (15-600 A)
 - 100kA Vdc (700-1200 A)

Agency Information

- cULus Listed file No. JDDZ.E4273
 - UL 248-15 – Class T Fuses
 - CSA C22.2 No. 248.15 – Class T Fuses
- CE
- RoHS compliant

Catalog numbers (amps)

JJN-1	JJN-35	JJN-110	JJN-400
JJN-2	JJN-40	JJN-125	JJN-450
JJN-3	JJN-45	JJN-150	JJN-500
JJN-6	JJN-50	JJN-175	JJN-600
JJN-10	JJN-60	JJN-200	JJN-700
JJN-15	JJN-70	JJN-225	JJN-800
JJN-20	JJN-80	JJN-250	JJN-1000
JJN-25	JJN-90	JJN-300	JJN-1200
JJN-30	JJN-100	JJN-350	

Carton quantity:

Amp rating	Carton qty.
Up to 60	10
70-100	5
110-1200	1

Features:

- Provides 10X better current limitation to help prevent equipment damage caused by short-circuit events.
- 200 kA interrupting rating complies with NEC® Section 110.9 for today's large capacity systems.
- Fast-acting fuse helps prevent equipment damage caused by short-circuit events.
- Small, space-saving fuses provide a high degree of current limitation on short-circuits for excellent component protection.
- Ideal for critical industrial or commercial applications that have specific current limitation requirements.

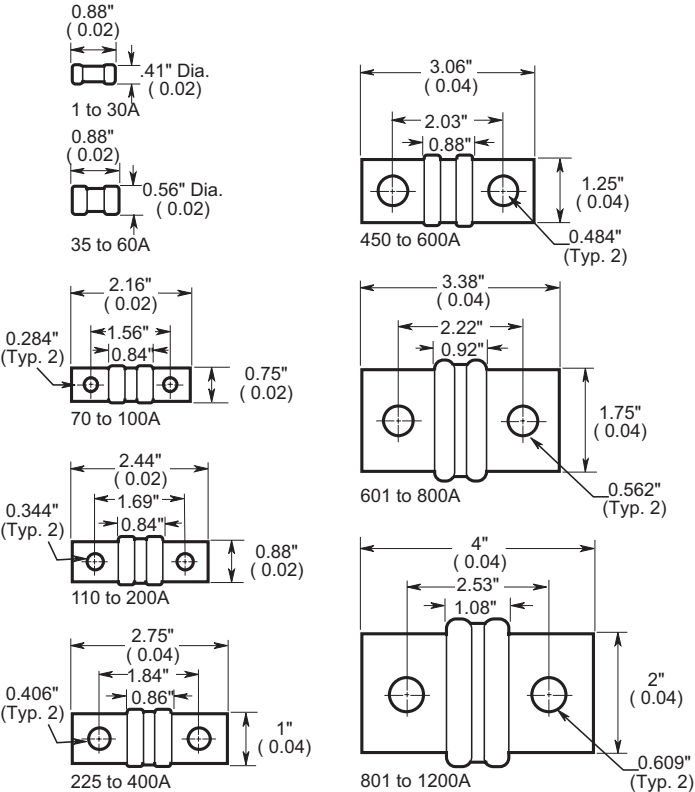
Recommended fuse blocks*

Fuse amps	1-pole	2-pole	3-pole	4-Pole
up to 30	—	T30030-2_	T30030-3_	T30030-4_
35-60	—	T30060-2_	T30060-3_	T30060-4_
70-100	—	T30100-1_	T30100-2_	T30100-3_
110-200	T30200-1_	—	—	—
200	1B0083	—	—	—
225-400	T30400-1_	—	—	—
450- 600	T30600-1_	—	—	—

* For additional information, see data sheet no. 1115.

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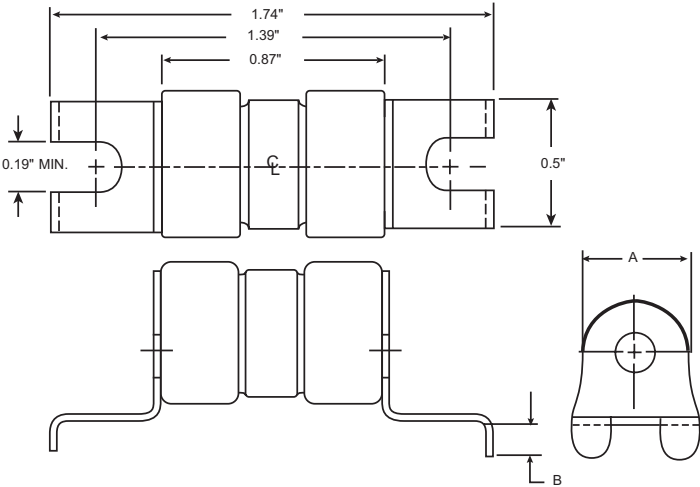
Dimensions – in



Custom designs

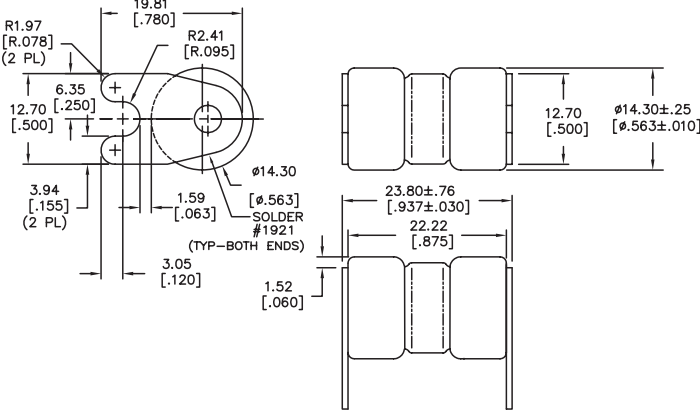
Printed circuit board versions available up to 60 amps. Consult your Bussmann series product representative details.

JJN-XXL Dimensions - in



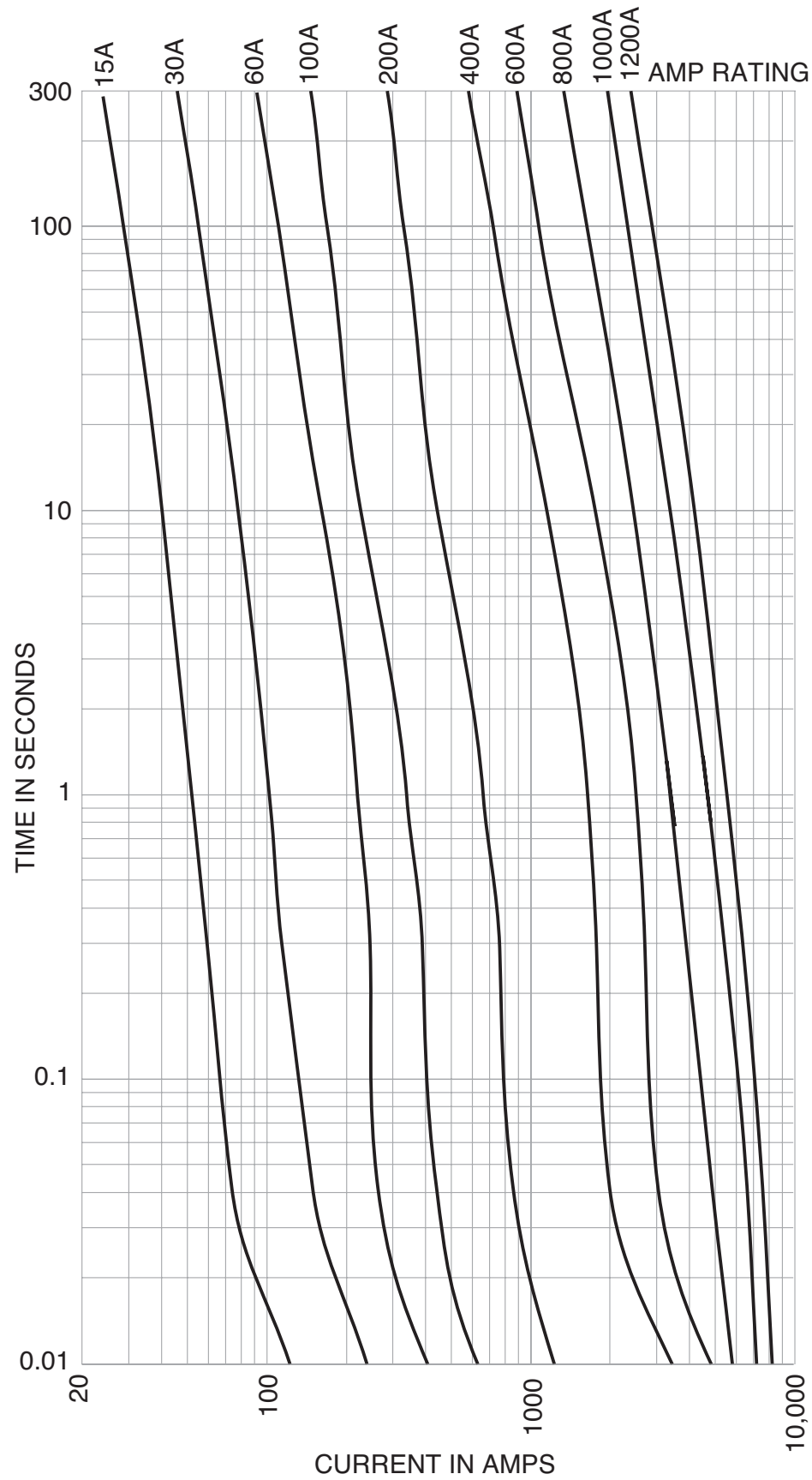
Fuse amps/catalog number	A	B
JJN-(1-30)L	0.406	0.125
JJN-(35-60)L	0.563	0.125
JJN-(35-60)L-01	0.563	0.165

JJN-XXLS Dimensions - in

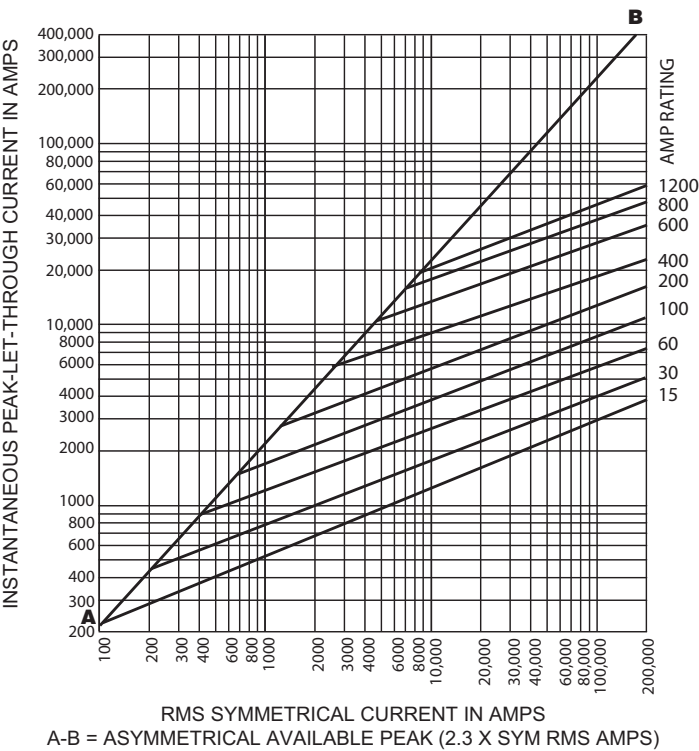


The JJN-XXL and JJN-XXLS products are UL Component Recognized under Guide JFHR2, File E56412. Contact your Bussmann series product representative for RoHS status.

Time-current curves - average melt



Current-limitation curves



Current-limiting effects

Prosp. S.C.C. Let-through current (apparent RMS Sym. vs. fuse rating)										
	15 A	30 A	60 A	100 A	200 A	400 A	600 A	800 A	1200 A	
500	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
5000	1000	1000	1000	1000	1000	2000	3000	5000	5000	5000
10,000	1000	1000	1000	1000	2000	2000	4000	6000	7000	9000
15,000	1000	1000	1000	1000	2000	3000	4000	6000	9000	10,000
20,000	1000	1000	1000	1000	2000	3000	5000	7000	10,000	11,000
25,000	1000	1000	1000	2000	2000	3000	5000	7000	10,000	12,000
30,000	1000	1000	2000	2000	3000	5000	8000	11,000	13,000	
35,000	1000	1000	2000	3000	4000	6000	8000	11,000	13,000	
40,000	1000	1000	2000	3000	4000	6000	9000	11,000	13,000	
50,000	1000	1000	2000	3000	4000	7000	9000	12,000	15,000	
60,000	1000	1000	2000	3000	4000	7000	10,000	13,000	16,000	
70,000	1000	1000	2000	3000	5000	7000	10,000	14,000	17,000	
80,000	1000	2000	2000	3000	5000	8000	11,000	15,000	17,000	
90,000	1000	2000	2000	3000	6000	8000	11,000	15,000	18,000	
100,000	1000	2000	2000	4000	6000	8000	12,000	16,000	19,000	
150,000	1000	2000	3000	4000	6000	9000	13,000	17,000	22,000	
200,000	2000	2000	3000	4000	7000	9000	15,000	19,000	23,000	

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JJS Limitron™ 600Vac, 1-800A, fast-acting Class T fuses

**Catalog Symbol:**

- JJS-(amp)

Description:

Eaton's Bussmann™ series Limitron™ advanced protection Class T current-limiting, fast-acting fuses.

Specifications:**Ratings**

- Volts — 600 Vac
- Amps — 1-800 A
- IR — 200 kA Vac RMS Sym.

Agency Information

- cULus Listed file No. JDDZ.E4273
 - UL 248-15 – Class T Fuses
 - CSA C22.2 No. 248.15 – Class T Fuses
- CE
- RoHS compliant

Catalog numbers (amps)

JJS-1	JJS-30	JJS-90	JJS-250
JJS-2	JJS-35	JJS-100	JJS-300
JJS-3	JJS-40	JJS-110	JJS-350
JJS-6	JJS-45	JJS-125	JJS-400
JJS-10	JJS-50	JJS-150	JJS-450
JJS-15	JJS-60	JJS-175	JJS-500
JJS-20	JJS-70	JJS-200	JJS-600
JJS-25	JJS-80	JJS-225	JJS-800

Carton quantity

Amp rating	Carton qty.
Up to 60	10
70-100	5
110-800	1

Features:

- Provides 10X better current limitation to help prevent equipment damage caused by short-circuit events.
- 200 kA Interrupting rating complies with NEC® Section 110.9 for today's large capacity systems.
- Fast-acting fuse helps prevent equipment damage caused by short-circuit events.
- Small, space-saving fuses provide a high degree of current limitation on short-circuits for excellent component protection.
- Ideal for critical industrial or commercial applications that have specific current limitation requirements.

Recommended fuse blocks*

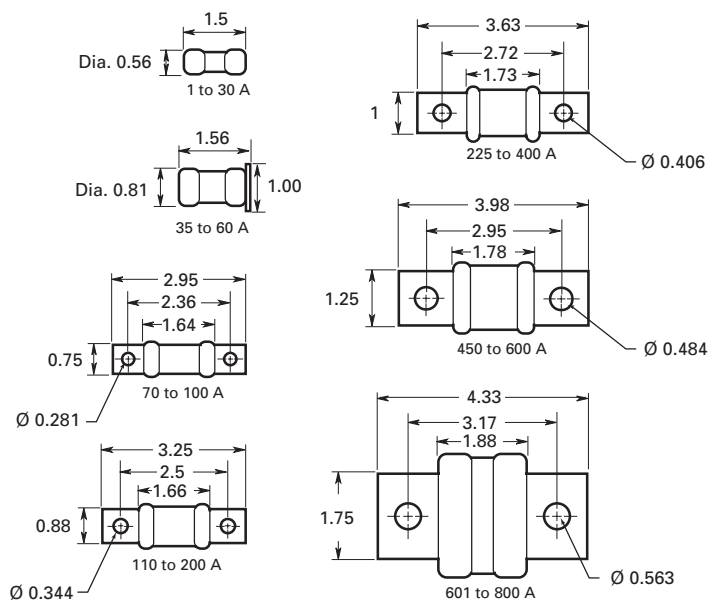
Amp rating	1-pole	2-pole	3-pole
up to 30	T60030-1_	T60030-2_	T60030-3_
35-60	T60060-1_	T60060-2_	T60060-3_
70-100	T60100-1_	T60100-2_	T60100-3_
110-200	T60200-1_	—	1B0089
225-400	T60400-1_	—	—
450-600	T60600-1_	—	—

* For additional information, see data sheet no. 1116.



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Dimensions – in

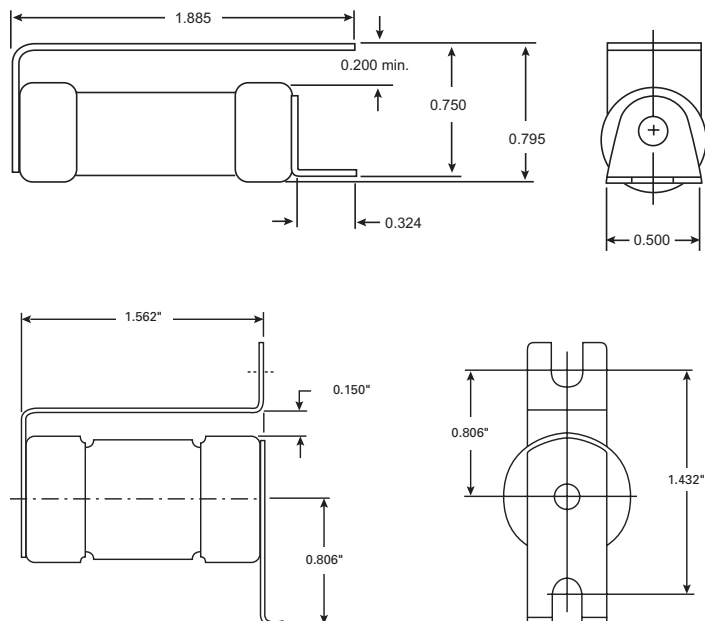


Custom designs

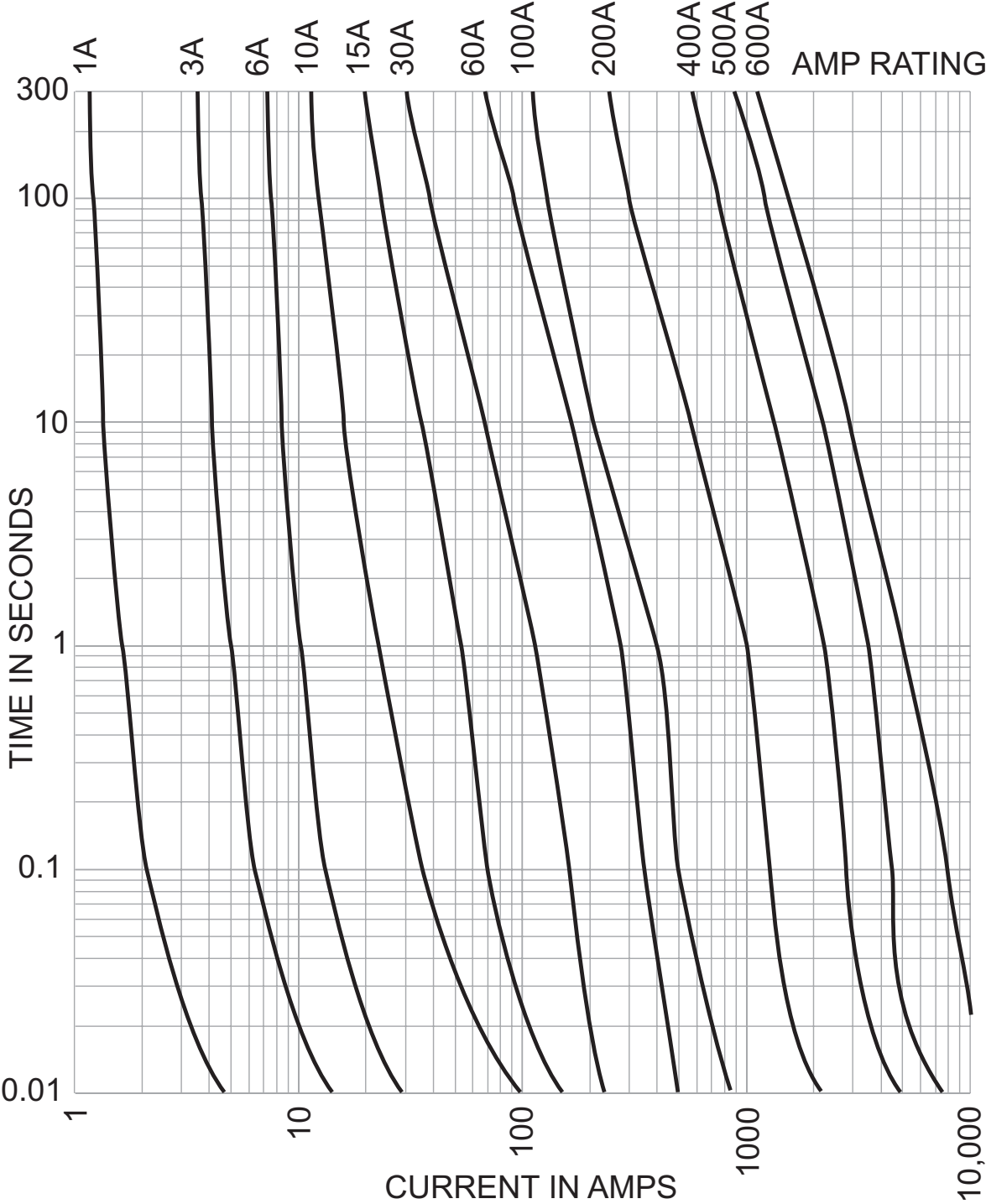
Printed circuit board versions available up to 60 amps. Consult your Bussmann series product representative for details.

UL Component Recognized, Guide JFHR2, File E56412.

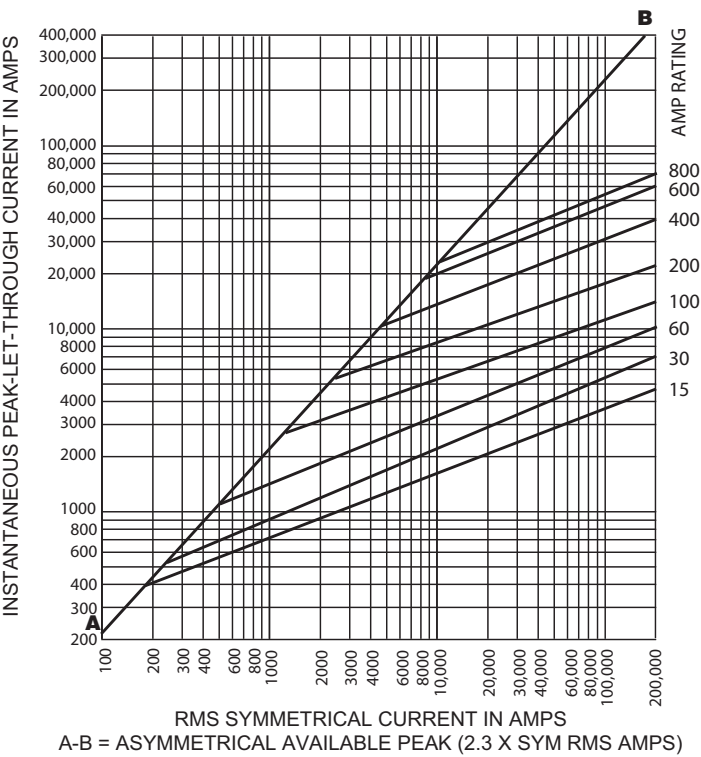
Dimensions – in



Time-current curves - average melt



Current-limitation curves



Current-limiting effects

Prospect	Let-through current (apparent RMS Sym. vs. fuse rating)							
S.C.C.	15A	30A	60A	100A	200A	400A	600A	800A
—	500	1000	1000	1000	1000	1000	1000	1000
1000	1000	1000	1000	1000	1000	1000	1000	1000
5000	1000	1000	1000	2000	3000	4000	5000	5000
10,000	1000	1000	1000	2000	3000	6000	8000	9000
15,000	1000	1000	2000	3000	4000	7000	10,000	11,000
20,000	1000	1000	2000	3000	4000	7000	10,000	12,000
25,000	1000	1000	2000	3000	5000	7000	11,000	13,000
30,000	1000	1000	2000	3000	5000	8000	12,000	14,000
35,000	1000	1000	2000	3000	5000	9000	13,000	15,000
40,000	1000	2000	2000	4000	5000	9000	13,000	15,000
50,000	1000	2000	2000	4000	6000	10000	14,000	17,000
60,000	1000	2000	3000	4000	6000	10000	16,000	18,000
70,000	1000	2000	3000	4000	7000	11000	17,000	19,000
80,000	1000	2000	3000	4000	7000	11000	17,000	20,000
90,000	1000	2000	3000	4000	7000	12000	18,000	21,000
100,000	2000	2000	3000	5000	7000	12,000	19,000	22,000
150,000	2000	3000	4000	6000	8000	14,000	22,000	25,000
200,000	2000	3000	4000	6000	9000	16,000	24,000	28,000

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