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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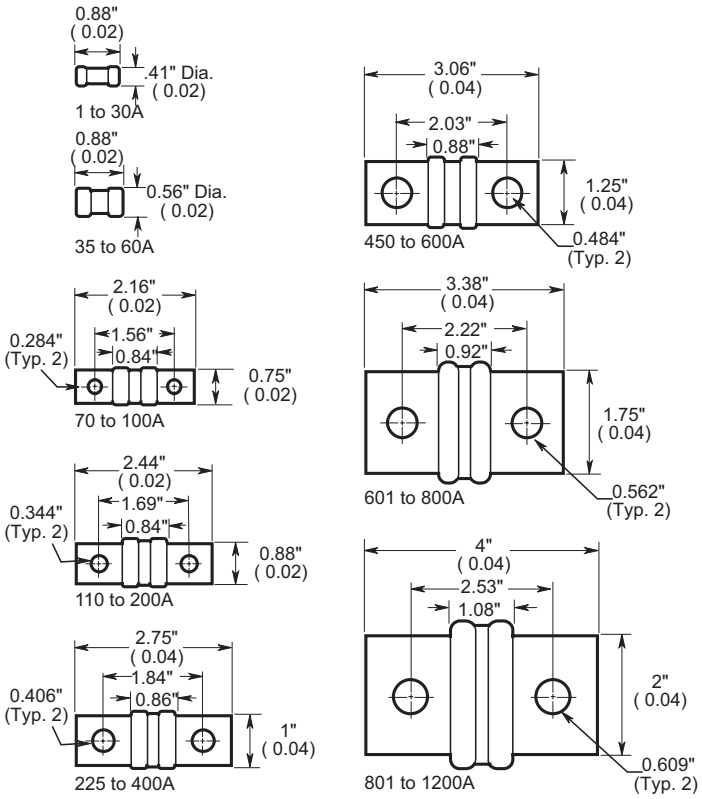
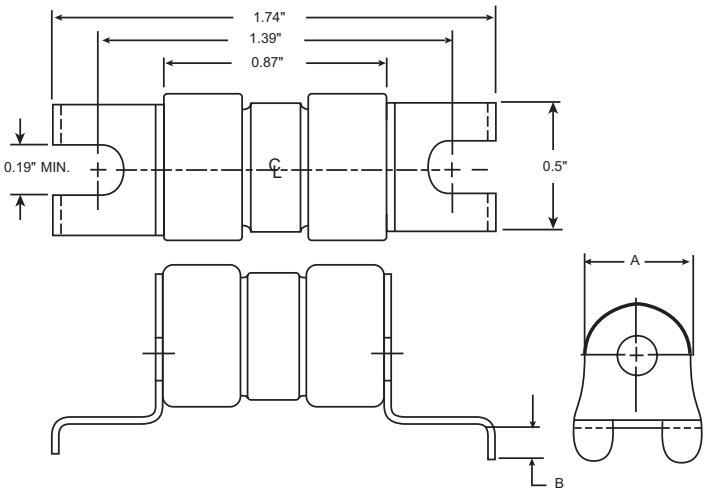
Dimensions – in



Custom designs

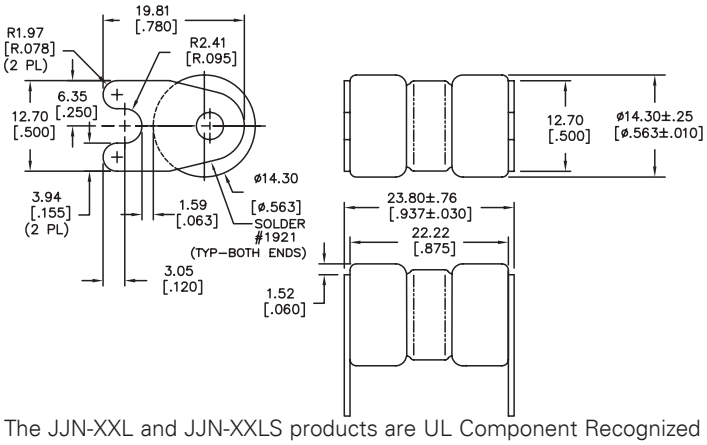
Printed circuit board versions available up to 60 amps. Consult your Bussmann series product representative details.

JJN-XXL Dimensions - in



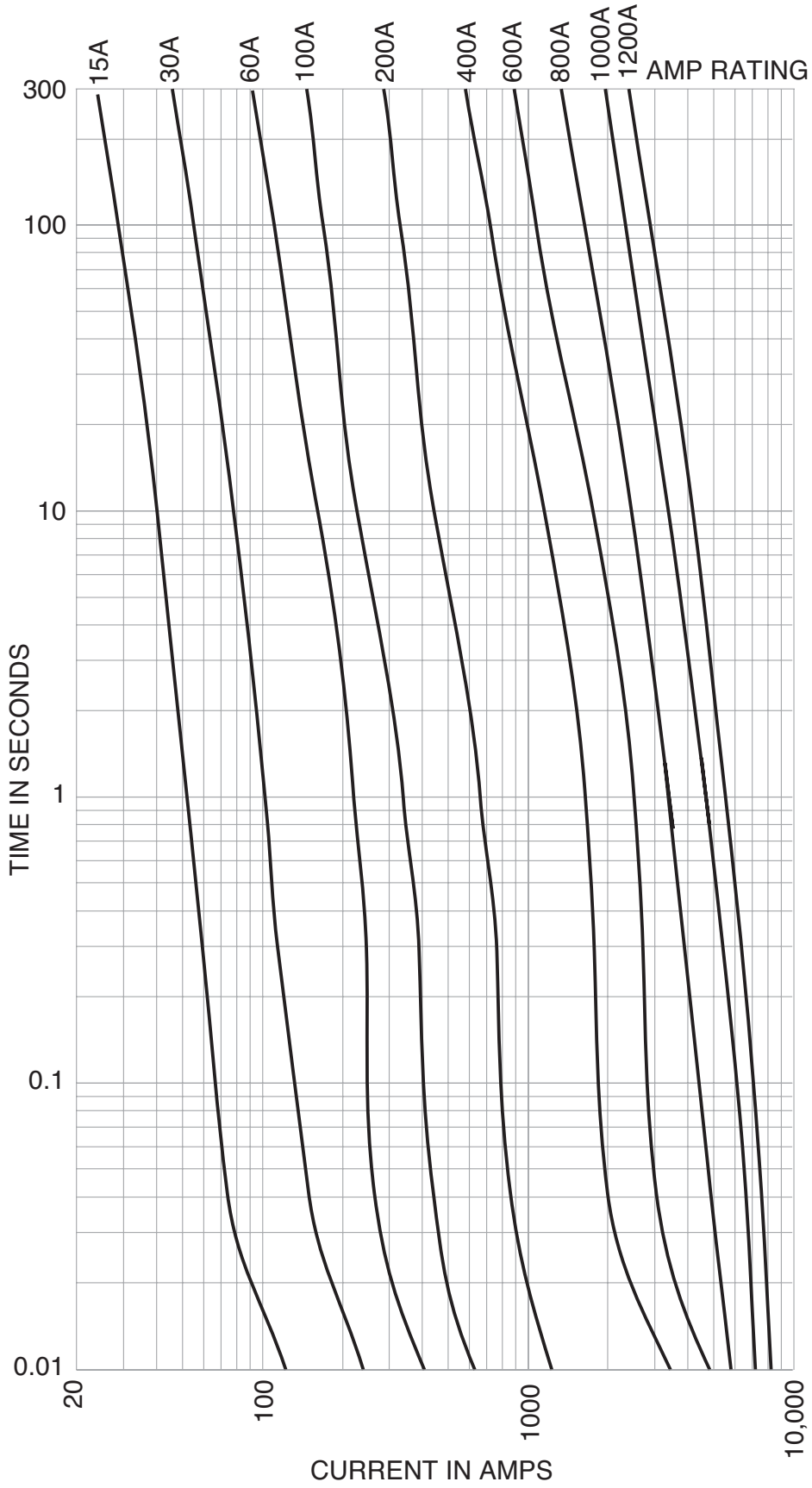
Fuse amps/catalog number	A	B
JJN-(1-30)L	0.406	0.125
JJN-(35-60)L	0.563	0.125
JJN-(35-60)L-01	0.563	0.165

JJN-XXLS Dimensions - in

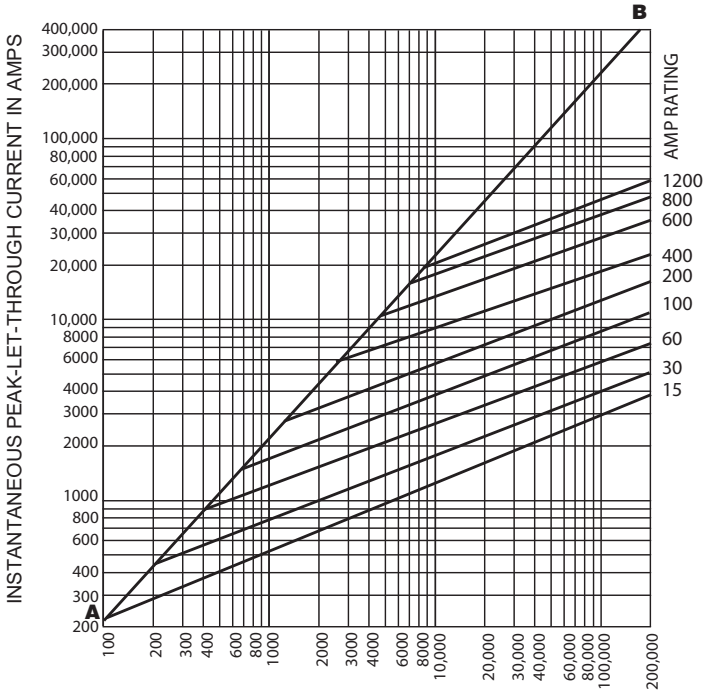


The JJN-XXL and JJN-XXLS products are UL Component Recognized under Guide JFHR2, File E56412. Contact your Bussmann series product representative for RoHS status.

Time-current curves - average melt



Current-limitation curves



A-B = ASYMMETRICAL AVAILABLE PEAK (2.3 X SYM RMS AMPS)

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
5000	1000	1000	1000	1000	2000	3000	5000	5000	5000
10,000	1000	1000	1000	2000	2000	4000	6000	7000	9000
15,000	1000	1000	1000	2000	3000	4000	6000	9000	10,000
20,000	1000	1000	1000	2000	3000	5000	7000	10,000	11,000
25,000	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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