

LP-CC — 600Vac/300Vdc, ½-30A Time-Delay Fuses



Description: Ultimate protection Class CC current-limiting, time-delay fuses. Time-delay – 12 seconds (minimum) at 200% of rated current.

Catalog Symbol: LP-CC-(amp)

Ratings:

- Volts — 600Vac,
- 300Vdc (½-2½A, 20-30A)
- 150Vdc (3-15A)
- Amps — ½-30A
- IR — 200kA Vac RMS Sym.
- 20kA Vdc

Agency Information:

CE, Std. 248-4, Class CC, UL Listed, Guide JDDZ, File E4273
CSA Certified; Class 1422-02, File 53787

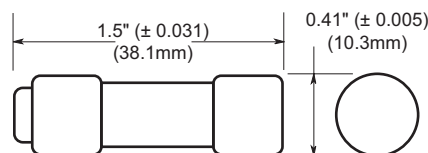
Catalog Numbers (amps)

LP-CC-½	LP-CC-1½	LP-CC-3	LP-CC-6	LP-CC-12
LP-CC-¼	LP-CC-1¼	LP-CC-3¼	LP-CC-6¼	LP-CC-15
LP-CC-⅓	LP-CC-1⅓	LP-CC-3½	LP-CC-7	LP-CC-20
LP-CC-1	LP-CC-2	LP-CC-4	LP-CC-7½	LP-CC-25
LP-CC-1½	LP-CC-2½	LP-CC-4½	LP-CC-8	LP-CC-30
LP-CC-1¼	LP-CC-2¼	LP-CC-5	LP-CC-9	
LP-CC-1⅓	LP-CC-2⅓	LP-CC-5½	LP-CC-10	

Carton Quantity and Weight

Amp Rating	Carton Qty.
0-30	10

Dimensions - in



Features:

- A superior all-purpose, space-saving branch circuit fuse that meets most protection requirements up to 30A
- Very compact; physical size is only ½" x 1½" (10.3 x 38.1mm) with" rejection tip
- The unique yellow color makes it easy to tell that the correct fuse type is installed
- Faster response to damaging short-circuit currents and higher interrupting rating than mechanical overcurrent protective devices
- 200kA interrupting rating for available fault current in today's large capacity systems and helps ensure that future growth will not obsolete the protection system
- Time-delay characteristic avoids unwanted fuse openings from surge currents while fast response speed under short-circuit conditions provides a high degree of current limitation
- The LP-CC fuse can be sized close to full load ratings for maximum overload and short-circuit protection
- Can be used where either a time-delay or a fast-acting fuse is needed, making selection easier and reducing spare fuse inventories for substantial cost reduction
- Superior protection for small horsepower motor circuits
- Proper sizing can provide "no damage" Type "2" coordinated protection for NEMA and IEC motor controllers
- Motors receive maximum protection against burnout from overloads and single-phasing

Recommended Fuse Blocks and Holders

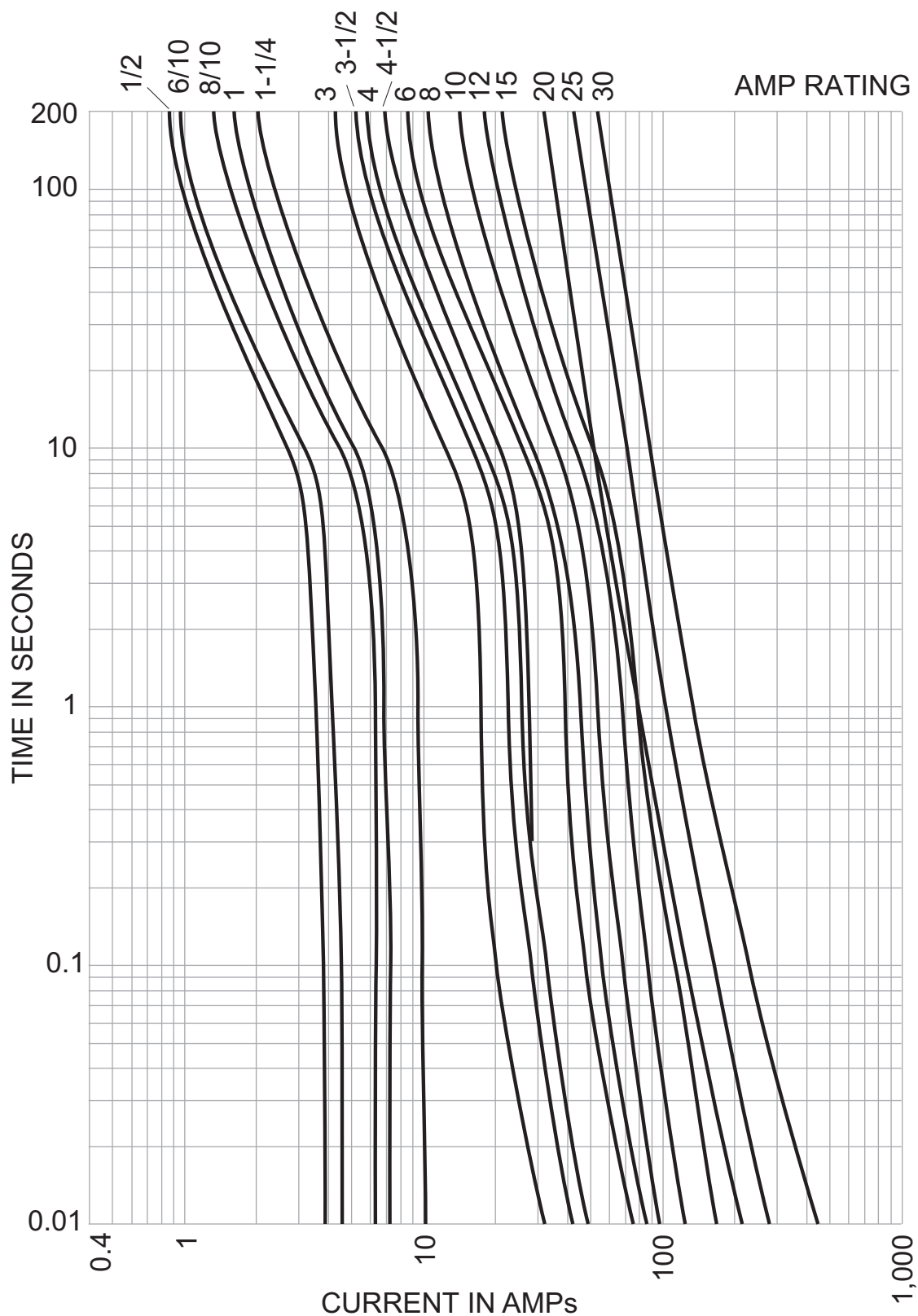
Fuse Amps	1-Pole	2-Pole	3-Pole
Open Blocks			
0-30	BC6031_	BC6032_	BC6033_
DIN-Rail Holders			
	CHCC1D_	CHCC2D_	CHCC3D_
0-30	—	—	OPM-NG_
	—	—	OPM-1038_
	—	—	OPM-1038_SW
Panel Mount Holders			
0-30	HPS	—	—
	HPF	—	—
In-Line Holders			
0-30	—	HEX	—
	HEZ	—	—

For additional information on the Class CC fuse blocks and holders, see data sheets:

- Open Blocks # 1105 (BC Series)
- DIN-Rail Holders # 3185 (CHCC), # 1109 (OPM), # 1102 (OPM-1038), 1103 (OPM-1038_SW),
- Panel Mount Holders # 2113 (HPS), # 2114 (HPF)
- In-Line Holders # 2126 (HEX), # 2130 (HEZ)

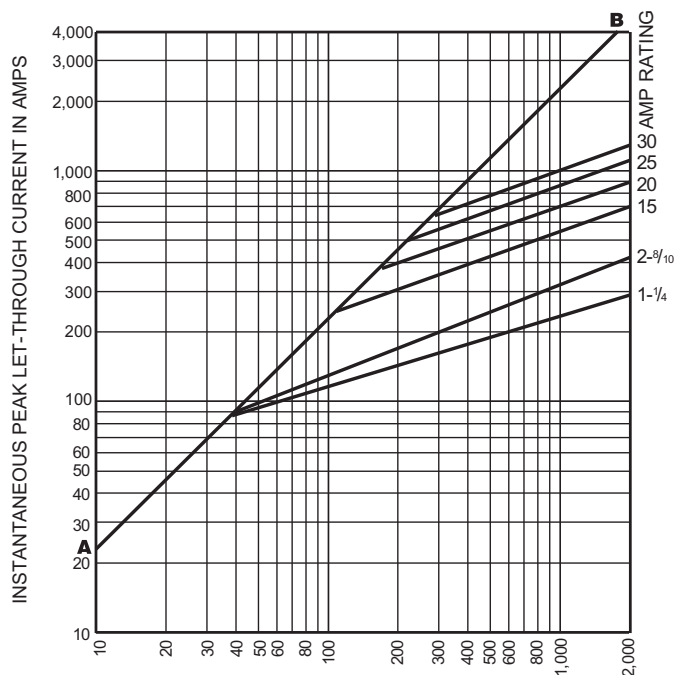
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Time-Current Curves - Average Melt



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Current-Limitation Curves



PROSPECTIVE SHORT-CIRCUIT CURRENT—SYMMETRICAL RMS AMPS

Current-Limiting Effects

Prospect. S.C.C.	Let-Through Current (Apparent RMS Symmetrical Vs. Fuse Rating)					
	1¼A	2¾A	15A	20A	25A	30A
1000	100	135	240	305	380	435
3000	140	210	350	440	575	580
5000	165	255	420	570	690	710
10,000	210	340	540	700	870	1000
20,000	260	435	680	870	1090	1305
30,000	290	525	800	1030	1300	1520
40,000	315	610	870	1150	1390	1700
50,000	340	650	915	1215	1520	1820
60,000	350	735	1050	1300	1650	1980
80,000	390	785	1130	1500	1780	2180
100,000	420	830	1210	1600	2000	2400
200,000	525	1100	1600	2000	2520	3050

NOTE: To calculate I_p (I_{peak}) multiply I_{RMS} value by 2.3.

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