



## Time Delay Class CC Fuses

THE Best Protection for Today's Small Motors

### Description

Amp-trap 2000® ATDR small-dimension fuses can provide IEC Type 2 “no damage” protection to your facility’s increasingly sensitive branch circuit components and small motors – minimizing the risk of fault-related damage. ATDR Class CC fuses deliver the best time delay characteristics in their class with excellent cycling ability for small motor loads.

### Features/Benefits

- Time delay for motor starting inrush currents *without* nuisance opening
- Highly current limiting for low peak let-thru current
- Improved cycling ability for frequent motor starts/stops without nuisance fuse opening
- Rejection-style design prevents replacement errors (when used with recommended fuse blocks)
- High-visibility orange label ensures instant recognition, simplifies replacement
- Metal-embossed date and catalog number for traceability and lasting identification
- Fiberglass body provides dimensional stability in harsh industrial settings
- High-grade silica filler ensures fast arc quenching and optimum current limitation

### Highlights

- Time Delay
- Best Choice for Small
- Motor Protection
- Highly Current-Limiting
- AC & DC Rated

### Ratings

- AC: 1/4 to 30A
- 600VAC, 200kA I.R.
- DC: 1/4 to 30A
- 300VDC, 100kA I.R.
- AMP-TRAP 2000®
- ATDR

### Approvals

- UL Listed to
- Standard 248-4
- CSA Certified to
- Standard C22.2
- No. 248.4
- DC Listed to
- UL Standard 198L

### Applications

- Small Motors
- Contactors
- Lighting, Heating & General Loads
- Branch Circuit Protector

### Standard Fuse Ampere Ratings, Catalog Numbers

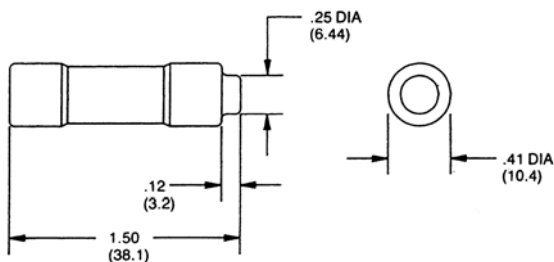
Ampere Rating	Catalog Number	Ampere Rating	Catalog Number	Ampere Rating	Catalog Number	Ampere Rating	Catalog Number	Ampere Rating	Catalog Number
1/4	ATDR1/4	1-1/2	ATDR1-1/2	3	ATDR3	6	ATDR6	12	ATDR12
1/2	ATDR1/2	1-6/10	ATDR1-6/10	3-2/10	ATDR3-2/10	6-1/4	ATDR6-1/4	15	ATDR15
8/10	ATDR8/10	1-8/10	ATDR1-8/10	3-1/2	ATDR3-1/2	7	ATDR7	17-1/2	ATDR17-1/2
1	ATDR1	2	ATDR2	4	ATDR4	7-1/2	ATDR7-1/2	20	ATDR20
1-1/8	ATDR1-1/8	2-1/4	ATDR2-1/4	4-1/2	ATDR4-1/2	8	ATDR8	25	ATDR25
1-1/4	ATDR1-1/4	2-1/2	ATDR2-1/2	5	ATDR5	9	ATDR9	30	ATDR30
1-4/10	ATDR1-4/10	2-8/10	ATDR2-8/10	5-6/10	ATDR5-6/10	10	ATDR10		



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**Dimensions**



**Small Motor Fuse Protection, 600 Volts AC or Less**

Motor Full Load Amperes	ATDR Rating*	
	Minimum Duty	Normal Duty
.71 - .89	1-1/4	1-6/10
.90 - 1.19	1-6/10	2
1.20 - 1.34	2	2-1/2
1.35 - 1.79	2-1/2	3
1.80 - 2.25	3	4
2.26 - 2.69	4	5
2.70 - 2.90	4	6
2.91 - 3.20	5	6
3.21 - 3.75	5	7
3.76 - 4.50	6	8
4.51 - 5.34	8	10
5.35 - 5.69	10	12
5.70 - 6.70	12	12
6.71 - 7.79	12	15
7.80 - 8.88	15	17-1/2
8.89 - 11.1	17-1/2	20
11.2 - 13.3	20	25
13.4 - 15.2	25	30

\* The National Electrical Code allows time-delay Class CC fuses to be sized at up to 400% (maximum) of motor FLA, if needed.

**Recommended Fuse Blocks for Class CC Fuses**

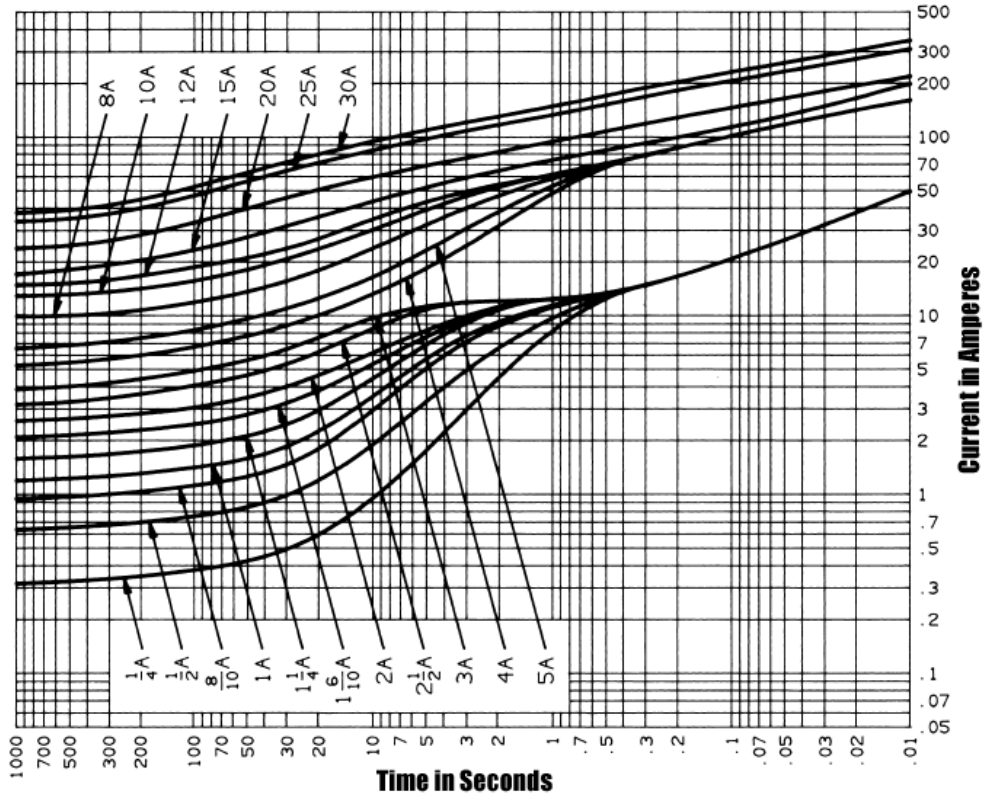
Model No.	Description
USCC1	Class CC fuse holder
USCC1I	Class CC fuse holder with LED
USPTH2	Pin-tie handle for fuse holder 2 pole 10pcs
USPTH3	Pin tie handle for fuse holder 3 pole 10pcs



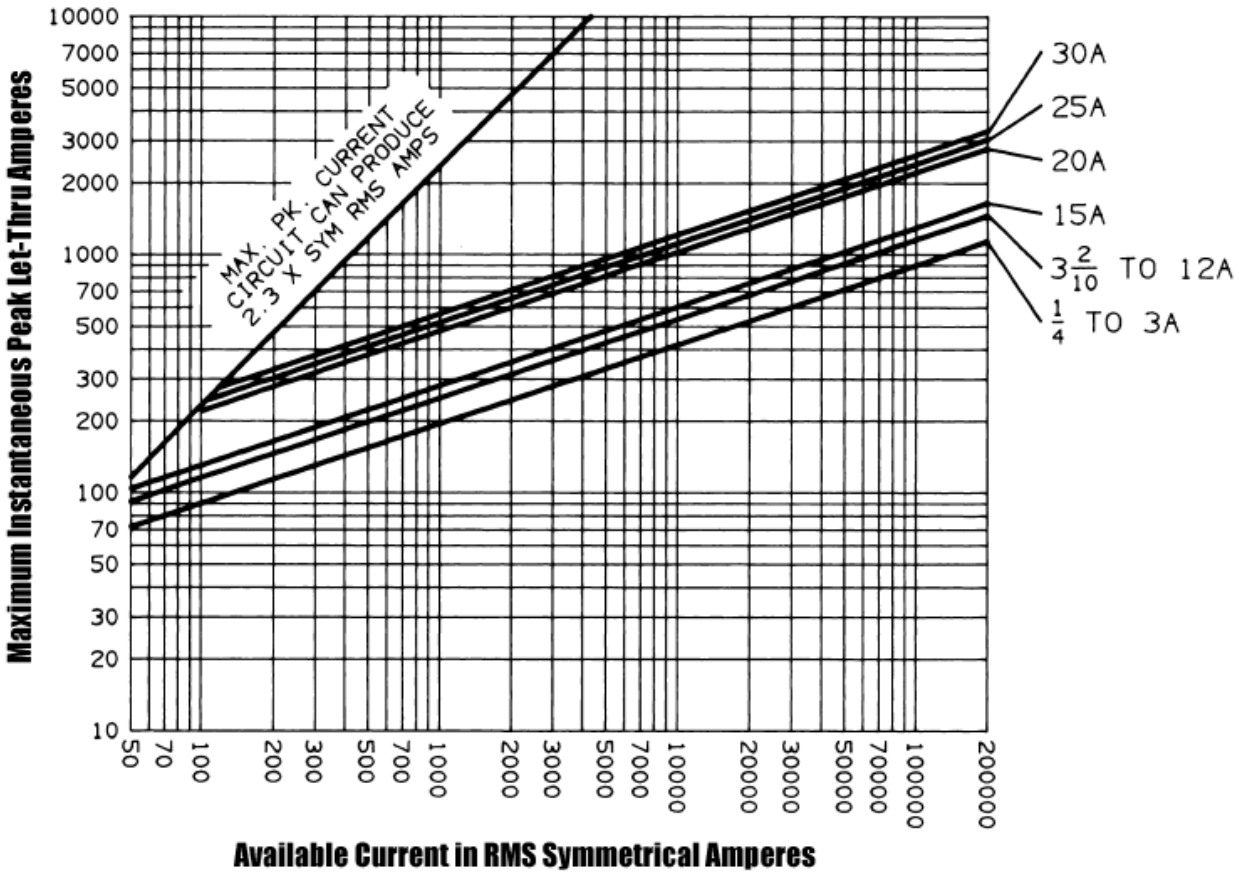
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**Melting Time - Current Data, 600V Fuses**



**Peak Let-Through Current Data - ATDR1/4 to 30, 600 Volts AC**



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