



# General Purpose US Fuses

## American Power Fuses AMP-TRAP 2000® ATDR (Class CC TD)



**The best protection for  
today's small motors**

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

### Ratings

AC: 1/4 to 30A 600VAC, 200kA I.R.

DC: 1/4 to 30A 300VDC, 100kA I.R.

### Highlights

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

### Applications

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

### Approvals



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

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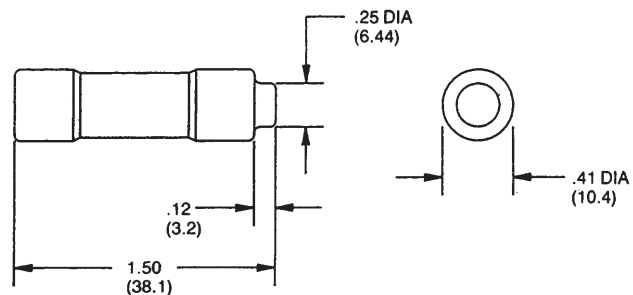
### Standard Fuse Ampere Ratings

Ampere Rating	Catalog Number	Reference Number	Ampere Rating	Catalog Number	Reference Number
1/4	ATDR1/4	W200855	4	ATDR4	V217276
1/2	ATDR1/2	Q223068	4-1/2	ATDR4-1/2	Z217786
8/10	ATDR8/10	K201397	5	ATDR5	K218302
1	ATDR1	T217275	5-6/10	ATDR5-6/10	Z218821
1-1/8	ATDR1-1/8	Y218820	6	ATDR6	L219338
1-1/4	ATDR1-1/4	J218301	6-1/4	ATDR6-1/4	L219867
1-4/10	ATDR1-4/10	K219337	7	ATDR7	A222548
1-1/2	ATDR1-1/2	Y217785	7-1/2	ATDR7-1/2	R223069
1-6/10	ATDR1-6/10	K219866	8	ATDR8	X200856
1-8/10	ATDR1-8/10	Z222547	9	ATDR9	Y201915
2	ATDR2	S212168	10	ATDR10	J201396
2-1/4	ATDR2-1/4	T213204	12	ATDR12	X201914
2-1/2	ATDR2-1/2	J212689	15	ATDR15	V211135
2-8/10	ATDR2-8/10	L213703	7-1/2	ATDR17-1/2	L211656
3	ATDR3	Y215232	20	ATDR20	R214214
3-2/10	ATDR3-2/10	J216254	25	ATDR25	V214723
3-1/2	ATDR3-1/2	C215742	30	ATDR30	G216758

### 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

### Dimensions



\* The 1996 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

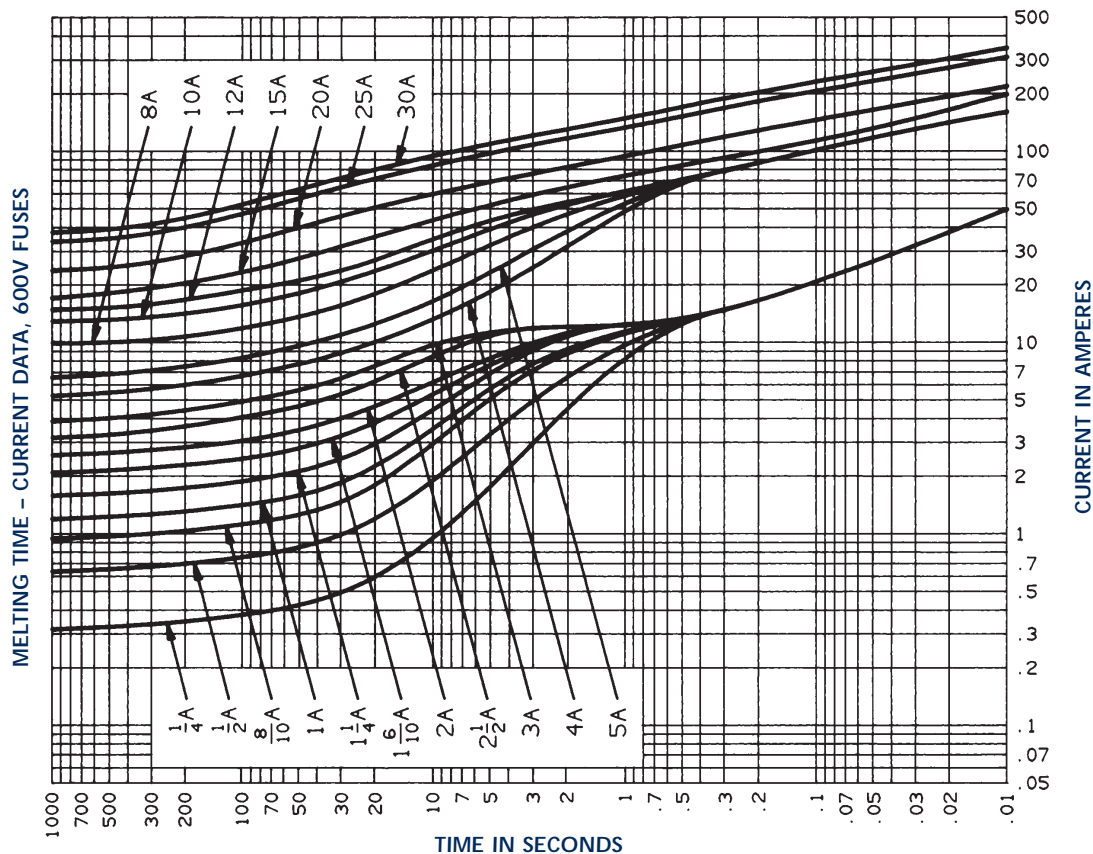
Number of Poles	Catalog Number				Reference number			
	Ultrasafe Indicating Fuse Holder	Screw Connector w/ Double Quick Connects	Pressure Plate Connector w/ Double Quick Connects	Copper Box Connector	Ultrasafe Indicating Fuse Holder	Screw Connector w/ Double Quick Connects	Pressure Plate Connector w/ Double Quick Connects	Copper Box Connector
ADDER		30310R	30320R	30350R		W204857	Z217510	N213429
1	USCC1I	30311R	30321R	30351R	X213943	R212397	M218534	G213929
2	USCC2I	30312R	30322R	30352R	D217008	Z212910	Y219579	V214447
3	USCC3I	30313R	30323R	30353R	Y218038	M213428	B222779	X214955



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## ATDR 1/4 to 30



## Peak Let-Through Current Data - ATDR 1/4 to 30, 600 Volts AC

