



# General Purpose US Fuses

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



### Take control of fault currents headed for your control transformer

ATQR small-dimension fuses feature time delay characteristics ideally suited for the high inrush currents of control transformers, solenoids, and similar inductive loads. The newest member of our Amp-trap 2000® family of fuses - ATQR fuses provide superior protection for the branch circuits of electrical distribution systems.

### Features/Benefits

- Time delay for control transformer inrush loads without nuisance opening
- Highly current limiting for low peak let-thru current
- Rejection-style design prevents replacement errors (when used with recommended fuse blocks)
- High-visibility orange label ensures instant recognition, and 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 high current limitation

### Ratings

**AC:** 1/10 to 30A 600VAC, 200kA I.R.

### Highlights

- Time Delay
- Best Choice for Small Transformer Protection
- Most Current-Limiting

### Applications

- Control Transformers
- Solenoids
- Inductive Loads
- Lighting, Heating and General-purpose Loads

### Approvals



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

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### Standard Fuse Ampere Ratings, Reference Numbers

Ampere Rating	Catalog Number	Reference Number	Ampere Rating	Catalog Number	Reference Number
1/10	ATQR1/10	E201921	2-8/10	ATQR2-8/10	Q216260
1/8	ATQR1/8	A212175	3	ATQR3	T218310
15/100	ATQR15/100	S223507	3-2/10	ATQR3-2/10	V219346
3/16	ATQR3/16	J222556	3-1/2	ATQR3-1/2	G218828
2/10	ATQR2/10	Q216766	4	ATQR4	S201404
1/4	ATQR1/4	V211664	4-1/2	ATQR4-1/2	F201922
3/10	ATQR3/10	V219875	5	ATQR5	W211665
4/10	ATQR4/10	D211143	5-6/10	ATQR5-6/10	B212176
1/2	ATQR1/2	C211142	6	ATQR6	T212698
6/10	ATQR6/10	V213711	6-1/4	ATQR6-1/4	D213213
3/4	ATQR3/4	A223077	7	ATQR7	B214223
8/10	ATQR8/10	L215750	7-1/2	ATQR7-1/2	E214732
1	ATQR1	F218827	8	ATQR8	H215241
1-1/8	ATQR1-1/8	H222555	9	ATQR9	R216261
1-1/4	ATQR1-1/4	T219874	10	ATQR10	S212697
1-4/10	ATQR1-4/10	Z223076	12	ATQR12	C213212
1-1/2	ATQR1-1/2	T219345	15	ATQR15	T213710
1-6/10	ATQR1-6/10	E200863	17-1/2	ATQR17-1/2	A214222
1-8/10	ATQR1-8/10	R201403	20	ATQR20	D217284
2	ATQR2	D214731	25	ATQR25	H217794
2-1/4	ATQR2-1/4	K215749	30	ATQR30	F200864
2-1/2	ATQR2-1/2	G215240			

### Recommended ATQR Class CC Primary Fuses For Single Phase Control Transformers

Trans VA	Primary		ATQR AMPS
	Volts	Fla	
25	600	0.04	1/10
	480	0.05	1/10
	240	0.10	2/10
	208	0.12	1/4
	120	0.21	4/10
50	600	0.08	1/4
	480	0.10	1/4
	240	0.21	4/10
	208	0.24	1/2
	120	0.42	6/10
75	600	0.13	1/4
	480	0.16	3/10
	240	0.31	1/2
	208	0.36	3/4
	120	0.63	1
100	600	0.17	3/10
	480	0.21	4/10
	240	0.42	6/10
	208	0.48	1
	120	0.83	1-1/2
150	600	0.25	1/2
	480	0.31	1/2
	240	0.63	1
	208	0.72	1-1/2
	120	1.25	2-1/2
200	600	0.33	1/2
	480	0.42	6/10
	240	0.83	1-1/2
	208	0.96	2
	120	1.67	3
250	600	0.42	6/10
	480	0.52	1-1/8
	240	1.04	2
	208	1.2	3
	120	2.08	4*

\* Secondary protection is required for these ratings.  
+ Fuse will withstand 30 x FLA for .01 second  
++ Fuse will withstand 25 x FLA for .01 second

Trans VA	Primary		ATQR AMPS
	Volts	Fla	
300	600	0.50	1-1/8
	480	0.63	1-1/2
	240	1.25	2-1/2
	208	1.44	3
	120	2.5	5*
500	600	0.83	1-1/2
	480	1.04	2
	240	2.08	4*
	208	2.40	6*
	120	4.17	10*
750	600	1.25	2-1/2
	480	1.56	3
	240	3.13	7*
	208	3.61	8*
	120	6.25	15*
1000	600	1.67	3
	480	2.08	4*
	240	4.16	10*
	208	4.81	12*
	120	8.33	20*
1500	600	2.50	5*
	480	3.13	7*
	240	6.25	10
	208	7.21	20*
	120	12.5	25*
2000	600	3.33	8*
	480	4.17	10*
	240	8.33	20++*
	208	9.62	20++*
	600	5.00	12+*
3000	480	6.25	15+*
	240	12.5	30++*
	600	8.33	20++*
5000	480	10.4	25+*



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### Recommended Fuse Blocks for Class CC Fuses

#### Catalog Number

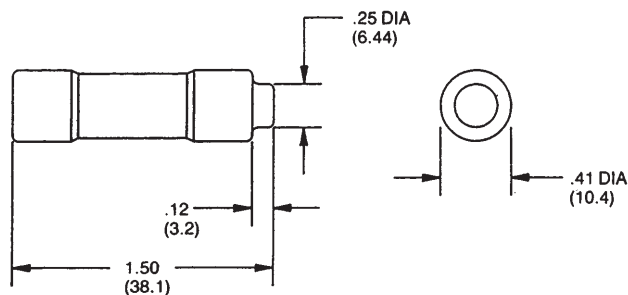
Number of Poles	Ultrasafe Indicating Fuse Holder	Screw with Double Quick Connects	Pressure Plate with Double Quick Connects	Copper Box Connector
ADDER		30310R	30320R	30350R
1	USCC1I	30311R	30321R	30351R
2	USCC2I	30312R	30322R	30352R
3	USCC3I	30313R	30323R	30353R

#### Reference Number

Number of Poles	Ultrasafe Indicating Fuse Holder	Screw with Double Quick Connects	Pressure Plate with Double Quick Connects	Copper Box Connector
ADDER		W204857	Z217510	N213429
1	X213943	R212397	M218534	G213929
2	D217008	Z212910	Y219579	V214447
3	Y218038	M213428	B222779	X214955

Primary fuses - If primary FLA is less than 2 amps, fuse may be 300% max. (500% for motor control). If primary FLA exceeds 2 amps but is less than 9 amps, fuse may not exceed 167% of primary FLA unless secondary protection is used, when it may be increased to 250%. Fuse sizes shown are based on approx. 40 x FLA for .01 sec.

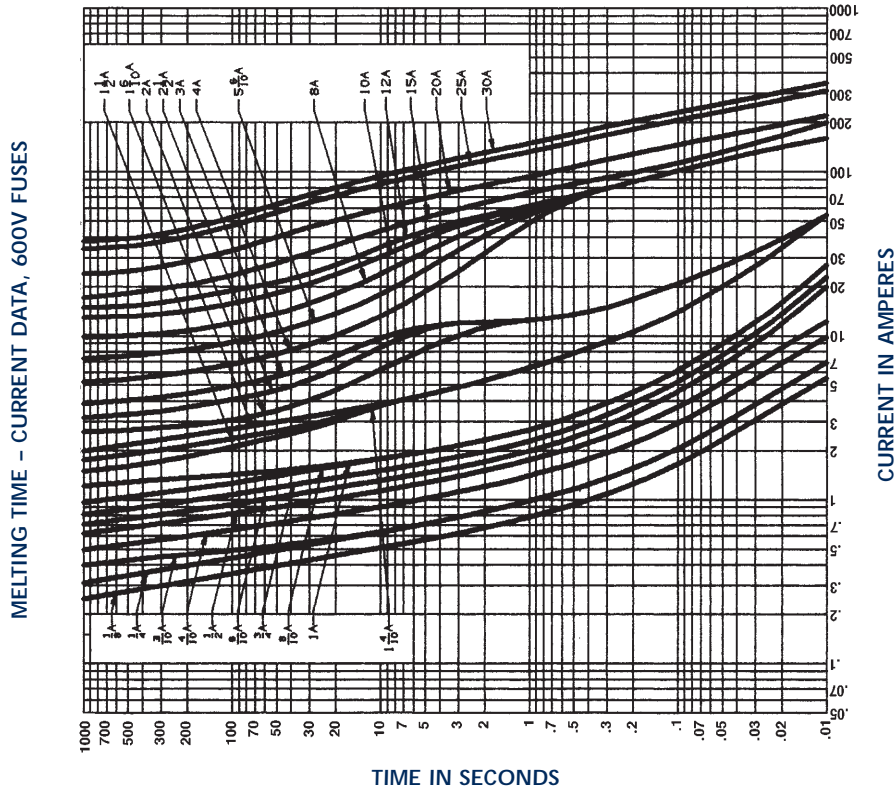
#### Dimensions



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## ATQR 1/8 to 30



## Peak Let-Through Current Data - ATQR 1/8 to 30, 600 Volts AC

