



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

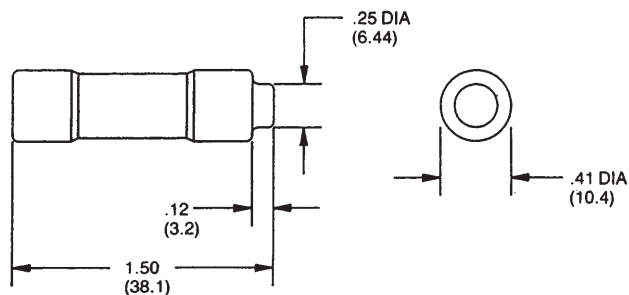
Number of Poles	Ultrasafe Indicating Fuse Holder	Screw with Double Quick Connects	Pressure Plate with Double Quick Connects	Copper Box Connector
ADDER		30310R	30320R	30350R
1	USCC1I	30311R	30321R	30351R
2	USCC2I	30312R	30322R	30352R
3	USCC3I	30313R	30323R	30353R

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.

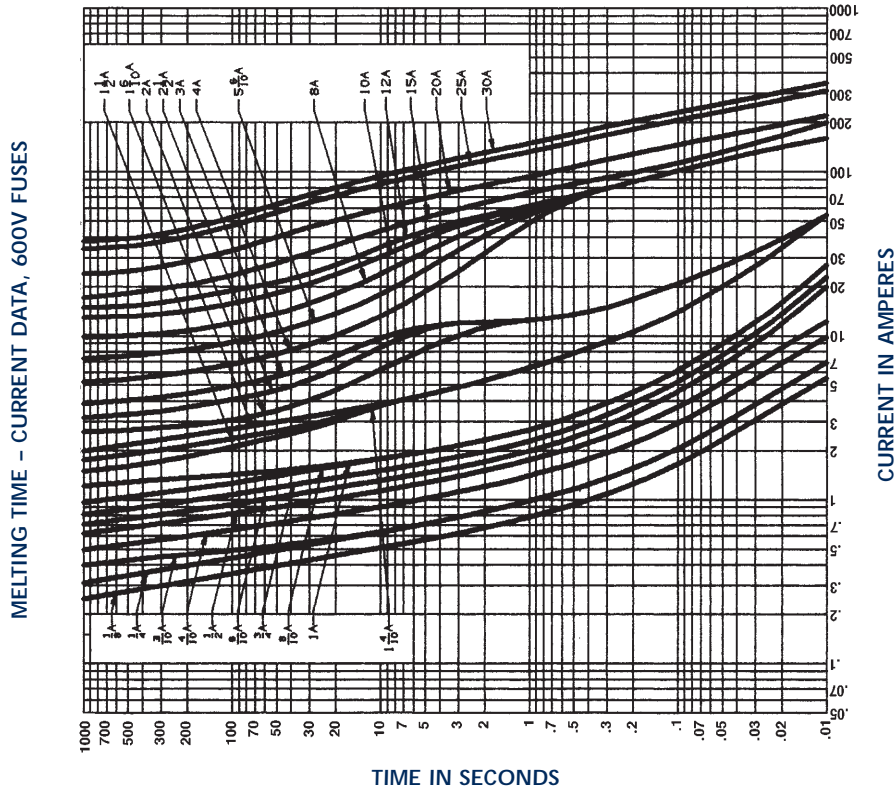
Dimensions



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ATQR 1/8 to 30



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

