

**AMP-TRAP[®]
2000**



**TIME DELAY
CLASS L**



Features and Benefits

- **Fastest operation under short circuit conditions:** Let-thru currents are typically 20% lower, with a corresponding let-thru energy (clearing I²t) up to 40% lower than the next fastest Class L fuse
- **Time delay for high inrush loads** such as motors and transformers, without nuisance opening
- **300kA interrupting rating** - self-certified, UL witnessed tests
- **Most current limiting** for lowest peak let-thru current; even at fault currents up to 300kA
- **High-visibility orange label** gives instant recognition
- **Reduced inventory** because A4BQ can replace all older types of Class L fuses now in service

Catalog Numbers

A4BQ100	A4BQ500	A4BQ1000	A4BQ2500
A4BQ150	A4BQ600	A4BQ1200	A4BQ2500
A4BQ200	A4BQ601	A4BQ1350	A4BQ3000
A4BQ250	A4BQ650	A4BQ1400	A4BQ4000
A4BQ300	A4BQ700	A4BQ1500	A4BQ5000
A4BQ350	A4BQ750	A4BQ1600	A4BQ6000
A4BQ400	A4BQ800	A4BQ1800	
A4BQ450	A4BQ900	A4BQ2000	

Ratings and Approvals

- **AC:** 100 to 6000A 600VAC, 200kA I.R. (self certified for 600VAC, 300kA I.R., UL witnessed) 4-second delay at 500% rating
Note: 100-600A ratings are non-listed
- **DC:** 601 to 3000A 500VDC, 100kA I.R.
- UL Listed to Standard 248-10 (601-6000A)
- DC Listed to UL Standard 198L (601-3000A)
- CSA Certified to Standard C22.2 No. 248.10 (601-6000A)
- IEC 269-2-1

Highlights and Applications

- Time Delay, Industry's Most Current Limiting Class L Fuse
- Pure Silver Elements, AC & DC Rated
- Mains, Feeders, Large Motors
- Lighting, Heating & General Loads
- Circuit Breaker Back-up
- DC Rated: UPS DC Links, Battery Disconnects, Other DC Applications

**AMP-TRAP[®]
2000**



AJT

**TIME DELAY
CLASS J**



Features and Benefits

- **Time delay** for motor starting and transformer inrush
- **300kA interrupting rating** - self-certified, UL witnessed tests
- **Extremely current limiting** for low peak let-thru current
- **Most current limiting UL class fuse**
- **Small footprint** requires less mounting space and allows smaller, more economical fuse blocks
- **Unique Class J dimensions** prevent replacement errors
- **High-visibility orange label** gives instant recognition
- **Metal-embossed date and catalog number** for traceability and lasting identification

Catalog Numbers

AJT1	AJT3-2/10	AJT9	AJT45	AJT175
AJT1-1/4	AJT3-1/2	AJT10	AJT50	AJT200
AJT1-1/2	AJT4	AJT12	AJT60	AJT225
AJT1-6/10	AJT4-1/2	AJT15	AJT70	AJT250
AJT1-8/10	AJT5	AJT17-1/2	AJT80	AJT300
AJT2	AJT5-6/10	AJT20	AJT90	AJT350
AJT2-1/4	AJT6	AJT25	AJT100	AJT400
AJT2-1/2	AJT6-1/4	AJT30	AJT110	AJT450
AJT2-8/10	AJT7	AJT35	AJT125	AJT500
AJT3	AJT8	AJT40	AJT150	AJT600

Ratings and Approvals

- **AC:** 1 to 600A 600VAC, 200kA I.R. (self certified for 600VAC, 300kA I.R., UL witnessed)
- **DC:** 1 to 600A 500VDC, 100kA I.R.
- AJT (1-600):
- UL Listed to Standard 248-8
- DC Listed to UL Standard 198L
- CSA Certified to Standard C22.2 No. 248.8
- IEC 269-2-1

Highlights and Applications

- Time Delay, Highly Current Limiting
- DC Ratings, Optional Indicator (70 to 600A fuses)
- Motor Circuits, Mains, Feeders
- Branch Circuits, Lighting, Heating & General Loads
- Transformers, Control Panels
- Circuit Breaker Back-up, Bus Duct
- Load Centers



A2D/A6D

TIME DELAY CLASS RK1



Features and Benefits

- ▶ **Time delay** for motor starting and transformer inrush currents *without* nuisance opening
- ▶ **300kA interrupting rating** - self-certified, UL witnessed tests
- ▶ **Extremely Current Limiting** for low peak let-thru current
- ▶ **Easy 2-to-1 selectivity** for prevention of nuisance shut downs and "black outs"
- ▶ **Rejection-style design** prevents replacement errors (when used with recommended fuse blocks)
- ▶ **High-visibility orange label** gives instant recognition
- ▶ **Reduced inventory** by taking the place of RK5, K, and H fuses

Ratings and Approvals

- ▶ **A2D & A6D**
AC: 1/10 to 600A 250VAC, 200kA I.R. (self certified for 250VAC, 300kA I.R., UL witnessed)
- ▶ UL Listed to Standard 248-12
- ▶ CSA Certified to Standard C22.2 No. 248.12

Highlights and Applications

- ▶ Time Delay, Current Limiting
- ▶ Motors, Safety Switches, Transformers
- ▶ Branch Circuit Protection, Disconnects
- ▶ Control Panels, All General-purpose Circuits

250V

Catalog Numbers

600V

A2D1/10R	A2D1/2R	A2D1-1/4R	A2D2-1/4R	A6D1/10R	A6D6R	A6D10R	A6D25R
A2D3-1/2R	A2D6R	A2D10R	A2D25R	A6D3-1/2R	A6D90R	A6D175R	A6D350R
A2D50R	A2D90R	A2D175R	A2D350R	A6D50R	A6D6/10R	A6D1-4/10R	A6D2-1/2R
A2D15/100R	A2D6/10R	A2D1-4/10R	A2D2-1/2R	A6D15/100R	A6D6-1/4R	A6D12R	A6D30R
A2D4R	A2D6-1/4R	A2D12R	A2D30R	A6D4R	A6D100R	A6D200R	A6D400R
A2D60R	A2D100R	A2D200R	A2D400R	A6D60R	A6D8/10R	A6D1-6/10R	A6D2-8/10R
A2D2/10R	A2D8/10R	A2D1-6/10R	A2D2-8/10R	A6D2/10R	A6D7R	A6D15R	A6D35R
A2D4-1/2R	A2D7R	A2D15R	A2D35R	A6D4-1/2R	A6D110R	A6D225R	A6D450R
A2D70R	A2D110R	A2D225R	A2D450R	A6D70R	A6D1R	A6D1-8/10R	A6D3R
A2D3/10R	A2D1R	A2D1-8/10R	A2D3R	A6D3/10R	A6D8R	A6D17-1/2R	A6D40R
A2D5R	A2D8R	A2D17-1/2R	A2D40R	A6D5R	A6D125R	A6D250R	A6D500R
A2D75R	A2D125R	A2D250R	A2D500R	A6D4/10R	A6D1-1/8R	A6D2R	A6D3-2/10R
A2D4/10R	A2D1-1/8R	A2D2R	A2D3-2/10R	A6D5-6/10R	A6D9R	A6D20R	A6D45R
A2D5-6/10R	A2D9R	A2D20R	A2D45R	A6D80R	A6D150R	A6D300R	A6D600R
A2D80R	A2D150R	A2D300R	A2D600R	A6D1/2R	A6D1-1/4R	A6D2-1/4R	



TR/TRS

TIME DELAY CLASS RK5



Features and Benefits

- ▶ **Time delay** for motor start-ups and transformer inrush currents *without* nuisance opening
- ▶ **Current limiting** for low peak let-thru current
- ▶ **Rejection-style design** prevents replacement errors (when used with recommended fuse blocks)
- ▶ **Easy-to-read imprint label** for quick recognition and replacement
- ▶ **Metal-embossed date and catalog number** for traceability and lasting identification
- ▶ **Fiberglass body** provides dimensional stability in harsh industrial settings

Ratings and Approvals

- ▶ **TR & TRS:**
AC: 1/10 to 600A 250VAC, 200kA I.R.
DC: 1/10 to 2 8/10A & 35 to 400A, 250VDC, 20kA I.R.; 3 to 30A & 450 to 600A, 160VDC, 20kA I.R.
- ▶ UL Listed to Standard 248-12
- ▶ CSA Certified to Standard C22.2 No. 248.12
- ▶ DC Listed to UL Standard 198L

Highlights and Applications

- ▶ Time Delay, Current Limiting
- ▶ AC & DC Rated
- ▶ Motor Circuits, Mains, Feeders
- ▶ Branch Circuits, Transformers
- ▶ Service Entrance Equipment
- ▶ General-purpose Protection

250V

Catalog Numbers

600V

TR1/10R	TR1/2R	TR1-1/4R	TR2-1/4R	TRS1/10R	TRS1/2R	TRS1-1/4R	TRS2-1/4R
TR3-1/2R	TR6R	TR10R	TR25R	TRS3-1/2R	TRS6R	TRS10R	TRS25R
TR50R	TR90R	TR175R	TR350R	TRS50R	TRS90R	TRS175R	TRS350R
TR15/100R	TR6/10R	TR1-4/10R	TR2-1/2R	TRS15/100R	TRS6/10R	TRS1-4/10R	TRS2-1/2R
TR4R	TR6-1/4R	TR12R	TR30R	TRS4R	TRS6-1/4R	TRS12R	TRS30R
TR60R	TR100R	TR200R	TR400R	TRS60R	TRS100R	TRS200R	TRS400R
TR2/10R	TR8/10R	TR1-6/10R	TR2-8/10R	TRS2/10R	TRS8/10R	TRS1-6/10R	TRS2-8/10R
TR4-1/2R	TR7R	TR15R	TR35R	TRS4-1/2R	TRS7R	TRS15R	TRS35R
TR70R	TR110R	TR225R	TR450R	TRS70R	TRS110R	TRS225R	TRS450R
TR3/10R	TR1R	TR1-8/10R	TR3R	TRS3/10R	TRS1R	TRS1-8/10R	TRS3R
TR5R	TR8R	TR17-1/2R	TR40R	TRS5R	TRS8R	TRS17-1/2R	TRS40R
TR75R	TR125R	TR250R	TR500R	TRS75R	TRS125R	TRS250R	TRS500R
TR4/10R	TR1-1/8R	TR2R	TR3-2/10R	TRS4/10R	TRS1-1/8R	TRS2R	TRS3-2/10R
TR5-6/10R	TR9R	TR20R	TR45R	TRS5-6/10R	TRS9R	TRS20R	TRS45R
TR80R	TR150R	TR300R	TR600R	TRS80R	TRS150R	TRS300R	TRS600R

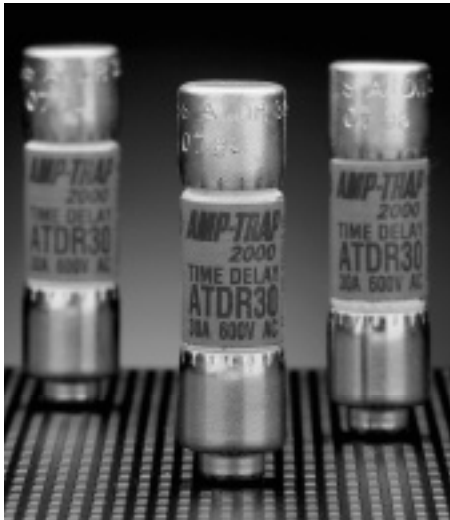
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CIRCUIT BREAKERS & FUSES



ATDR

**TIME DELAY
CLASS CC**



Features and 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

Ratings and Approvals

- **AC:** 1/4 to 30A
600VAC, 200kA I.R.
- **DC:** 1/4 to 30A
300VDC, 100kA I.R.
- UL Listed to Standard 248-4
- CSA Certified to Standard C22.2 No. 248.4
- DC Listed to UL Standard 198L

Catalog Numbers

ATDR1/4	ATDR1-8/10	ATDR4-1/2	ATDR10
ATDR1/2	ATDR2	ATDR5	ATDR12
ATDR8/10	ATDR2-1/4	ATDR5-6/10	ATDR15
ATDR1	ATDR2-1/2	ATDR6	ATDR17-1/2
ATDR1-1/8	ATDR2-8/10	ATDR6-1/4	ATDR20
ATDR1-1/4	ATDR3	ATDR7	ATDR25
ATDR1-4/10	ATDR3-2/10	ATDR7-1/2	ATDR30
ATDR1-1/2	ATDR3-1/2	ATDR8	
ATDR1-6/10	ATDR4	ATDR9	

Highlights and Applications

- Time Delay
- Best Choice for Small Motor Protection
- Highly Current-Limiting
- AC & DC Rated
- Small Motors
- Contactors
- Lighting, Heating & General Loads

**AMP-TRAP[®]
2000**



ATQR

**TIME DELAY
CLASS CC**



Features and 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, simplifies replacement
- **Metal-embossed date and catalog number** for traceability and lasting identification
- **Fiberglass body** provides dimensional stability in harsh industrial settings

Ratings and Approvals

- **AC:** 1/10 to 30A
600VAC, 200kA I.R.
- UL Listed to Standard 248-4
- CSA Certified to Standard C22.2 No. 248.4

Catalog Numbers

ATQR1/10	ATQR8/10	ATQR2-8/10	ATQR7-1/2
ATQR1/8	ATQR1	ATQR3	ATQR8
ATQR15/100	ATQR1-1/8	ATQR3-2/10	ATQR9
ATQR3/16	ATQR1-1/4	ATQR3-1/2	ATQR10
ATQR2/10	ATQR1-4/10	ATQR4	ATQR12
ATQR1/4	ATQR1-1/2	ATQR4-1/2	ATQR15
ATQR3/10	ATQR1-6/10	ATQR5	ATQR17-1/2
ATQR4/10	ATQR1-8/10	ATQR5-6/10	ATQR20
ATQR1/2	ATQR2	ATQR6	ATQR25
ATQR6/10	ATQR2-1/4	ATQR6-1/4	ATQR30
ATQR3/4	ATQR2-1/2	ATQR7	

Highlights and Applications

- Time Delay
- Best Choice for Small Transformer Protection
- Most Current-Limiting
- Control Transformers, Solenoids
- Inductive Loads, Lighting, Heating & General-purpose Loads

Amp-trap



ATMR

CLASS CC



ATMR1/10	ATMR3/10	ATMR1-1/4	ATMR2	1/2 ATMR4	ATMR8	ATMR15
ATMR1/8	ATMR1/2	ATMR1-1/2	ATMR2-	ATMR5	ATMR9	ATMR20
ATMR2/10	ATMR3/4	ATMR1-	1/2 ATMR3	ATMR6	ATMR10	ATMR25
ATMR1/4	ATMR1	1/2	ATMR3-	ATMR7	ATMR12	ATMR30

Features and Benefits

- **Rejection style design** prevents replacement errors when used with recommended fuse blocks
- **Fiberglass body** provides dimensional stability in harsh industrial environments
- **Versatile design** for individual component and branch circuit protection

Catalog Numbers

Ratings and Approvals

- **AC:** 1/10 to 30A 600VAC, 200kA I.R.
- UL Listed to Standard 248-4
- CSA Certified to Standard C22.2 No. 248.4

Highlights and Applications

- Fast Acting, Very Current Limiting
- Control Circuits, Lighting
- General Loads, Branch Circuit Protection

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CIRCUIT

BREAKERS

&

FUSES

ATM

MIDGET FUSES



Features and Benefits

- **For supplemental protection** of small motors and transformers
- **Extended ratings** for special protection of capacitors and circuits with high inrush currents
- **500VDC ratings** for a wide variety of applications

Catalog Numbers

ATM1/10	ATM1/2	ATM2	ATM6	ATM15	ATM30/35
ATM1/8	ATM3/4	ATM3	ATM8	ATM20	ATM30/40
ATM2/10	ATM1	ATM4	ATM10	ATM25	ATM30/50
ATM1/4	ATM1-1/2	ATM5	ATM12	ATM30	

Ratings and Approvals

- **AC:** 1/10 to 30A, 600VAC, 100kA I.R.; 35 to 50A 600VAC, 10kA I.R.
- **DC:** 1/10 to 30A 500VDC, 100kA I.R.
- UL Listed to Standard 248-14 (1/10 to 30A)
- DC listed to UL Standard 198L (1/10 to 30A)
- CSA Certified to Standard C22.2 No.248.14 (1/10 to 30A)

ATQ

MIDGET FUSES



Features and Benefits

- **Numerous ratings** for a wide variety of applications up to 500VAC
- **Time Delay** (12 seconds at 200% rating) for circuits with high inrush current

Catalog Numbers

ATQ1/10	ATQ3/10	ATQ1-1/8	ATQ2	ATQ3-2/10	ATQ6	ATQ12	ATQ30/50
ATQ1/8	ATQ4/10	ATQ1-1/4	ATQ2-1/8	ATQ3-1/2	ATQ6-1/4	ATQ14	
ATQ15/100	ATQ1/2	ATQ1-4/10	ATQ2-1/4	ATQ4	ATQ7	ATQ15	
ATQ3/16	ATQ6/10	ATQ1-1/2	ATQ2-1/2	ATQ4-1/2	ATQ8	ATQ20	
ATN2/10	ATQ8/10	ATQ1-6/10	ATQ2-8/10	ATQ5	ATQ9	ATQ25	
ATQ1/4	ATQ1	ATQ1-8/10	ATQ3	ATQ5-6/10	ATQ10	ATQ30	

Ratings and Approvals

- **AC:** 1/10 to 30A 500VAC, 10kA I.R.
- UL Listed to Standard 248-14
- CSA Certified to Standard C22.2 No. 248.14

TRM

MIDGET FUSES



Features and Benefits

- **Numerous ratings** for a wide variety of applications
- **250VAC rating** in all sizes up to 30A
- **Time delay** for circuits with high inrush current

Catalog Numbers

TRM1/10	TRM4/10	TRM1-1/8	TRM2	TRM3-2/10	TRM5-6/10	TRM9	TRM25
TRM15/100	TRM1/2	TRM1-1/4	TRM2-1/4	TRM3-1/2	TRM6	TRM10	TRM30
TRM2/10	TRM6/10	TRM1-4/10	TRM2-1/2	TRM4	TRM6-1/4	TRM12	
TRM1/4	TRM8/10	TRM1-6/10	TRM2-8/10	TRM4-1/2	TRM7	TRM15	
TRM3/10	TRM1	TRM1-8/10	TRM3	TRM5	TRM8	TRM20	

Ratings and Approvals

- **AC:** 1/10 to 30A, 250VAC, 10kA I.R.
- UL Listed to Standard 248-14
- CSA Certified to Standard C22.2 No. 248.14