

# A2D-R & A6D-R Time-delay/Class RK1

## Upgrade yesterday's circuits to today's Type 2 protection

The Amp-Trap 2000® SmartSpot® A2D-R and A6D-R fuses feature a visual open fuse indicator and provide IEC Type 2 No Damage protection to main, feeder, and branch circuits for all types of loads. With time-delay characteristics for handling harmless in-rush currents, current-limiting ability and a wide range of ratings (from 1 to 600 Amperes), A2D-R and A6D-R fuses give excellent protection for all your applications.

### Features/Benefits:

- Solid state SmartSpot visual blown fuse indicator
- Time-delay for motor starting and transformer inrush currents without nuisance opening
- 600VAC & 600VDC dual rated
- 300kA interrupting rating - self-certified, UL witnessed tests
- Extremely current-limiting for low peak let-thru current
- Recommended for Arc Flash energy reduction
- 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 brand recognition
- Reduced inventory by taking the place of class RK5, K, and H fuses
- Metal-embossed date and catalog number for easier traceability and lasting identification
- Fiberglass body provides dimensional stability in harsh industrial settings

### Highlights:

- SmartSpot indicator
- Time-delay
- Current-limiting
- Arc Flash mitigating
- Plated terminals

### Applications:

- Motors
- Safety switches
- Transformers
- Branch circuit protection
- Disconnects
- Control panels
- All general-purpose circuits

*Note: See motor fuse applications tables on page P7*



### Ratings:

#### A2D-R

- Volts** : 250VAC/DC  
**Amps** : 1/10 to 600A (AC)  
          : 15 to 600A (DC)  
**IR** : 200kA I.R. AC  
      : 100kA I.R. DC

#### A6D-R

- Volts** : 600VAC/DC  
**Amps** : 1/10 to 600A  
**IR** : 200kA I.R. AC  
      : 100kA I.R. DC

(Self-certified for 300kA I.R., UL witnessed.)

### Approvals:

- UL listed to standard 248-12 File E2137
- DC listed to UL standard 248
- CSA certified to standard C22.2 No. 248.12



# A2D-R & A6D-R Time-delay/Class RK1

## Catalog Numbers (amps)

250V			600V		
A2D1/10R	A2D3-1/2R	A2D50R	A6D1/10R	A6D3-1/2R	A6D50R
A2D15/100R	A2D4R	A2D60R	A6D15/100R	A6D4R	A6D60R
A2D2/10R	A2D4-1/2R	A2D70R	A6D2/10R	A6D4-1/2R	A6D70R
A2D3/10R	A2D5R	A2D75R	A6D3/10R	A6D5R	-
A2D4/10R	A2D5-6/10R	A2D80R	A6D4/10R	A6D5-6/10R	A6D80R
A2D1/2R	A2D6R	A2D90R	A6D1/2R	A6D6R	A6D90R
A2D6/10R	A2D6-1/4R	A2D100R	A6D6/10R	A6D6-1/4R	A6D100R
A2D8/10R	A2D7R	A2D110R	A6D8/10R	A6D7R	A6D110R
A2D1R	A2D8R	A2D125R	A6D1R	A6D8R	A6D125R
A2D1-1/8R	A2D9R	A2D150R	A6D1-1/8R	A6D9R	A6D150R
A2D1-1/4R	A2D10R	A2D175R	A6D1-1/4R	A6D10R	A6D175R
A2D1-4/10R	A2D12R	A2D200R	A6D1-4/10R	A6D12R	A6D200R
A2D1-6/10R	A2D15R	A2D225R	A6D1-6/10R	A6D15R	A6D225R
A2D1-8/10R	A2D17-1/2R	A2D250R	A6D1-8/10R	A6D17-1/2R	A6D250R
A2D2R	A2D20R	A2D300R	A6D2R	A6D20R	A6D300R
A2D2-1/4R	A2D25R	A2D350R	A6D2-1/4R	A6D25R	A6D350R
A2D2-1/2R	A2D30R	A2D400R	A6D2-1/2R	A6D30R	A6D400R
A2D2-8/10R	A2D35R	A2D450R	A6D2-8/10R	A6D35R	A6D450R
A2D3R	A2D40R	A2D500R	A6D3R	A6D40R	A6D500R
A2D3-2/10R	A2D45R	A2D600R	A6D3-2/10R	A6D45R	A6D600R

Note: SmartSpot visual indicator is not available (1/10-7A)

## Recommended Fuse Blocks With Box Connectors for Amp-Trap® Class RK1 Fuses

Fuse Ampere Rating	Catalog Number			
	250V or Less		600V or Less	
	1 Pole	3 Pole	1 Pole	3 Pole
0-30	20306R	20308R	60306R	60308R
31-60	20606R	20608R	60606R	60608R
61-100	21036R	21038R	61036R	61038R
101-200	22001R	22003R	62001R	62003R
201-400	24001R	24003R	64001R	64003R
401-600	2631R	2633R	6631R	6633R

A variety of pole configurations and termination provisions is available, see section H.

## Dimensions

Ampere Rating	A		B		C		D		E	
	In	mm	In	mm	In	mm	In	mm	In	mm
<b>250V-A2D</b>										
0-30	2	51	9/16	14	-	-	-	-	-	-
31-60	3	76	13/16	21	-	-	-	-	-	-
61-100	5-7/8	149	1-1/16	27	1/8	3	3/4	19	1	25
101-200	7-1/8	181	1-9/16	40	3/16	5	1-1/8	28	1-3/8	35
201-400	8-5/8	219	2-1/16	53	1/4	6	1-5/8	41	1-7/8	48
401-600	10-3/8	264	2-9/16	66	1/4	6	2	51	2-1/4	57
<b>600V-A6D</b>										
0-30	5	127	13/16	21	-	-	-	-	-	-
31-60	5-1/2	139	1-1/16	27	-	-	-	-	-	-
61-100	7-7/8	200	1-5/16	34	1/8	3	3/4	19	1	25
101-200	9-5/8	244	1-13/16	46	3/16	5	1-1/8	28	1-3/8	35
201-400	11-5/8	295	2-9/16	66	1/4	6	1-5/8	41	1-7/8	48
401-600	13-3/8	340	3-1/8	80	1/4	6	2	51	2-1/4	57

