

# A2D-R & A6D-R

Time Delay/Class RK1

UL/CSA LISTED POWER FUSES

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 inrush 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

## 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.)

## APPLICATIONS:

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

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

## APPROVALS:

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



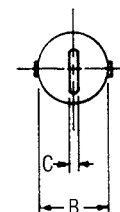
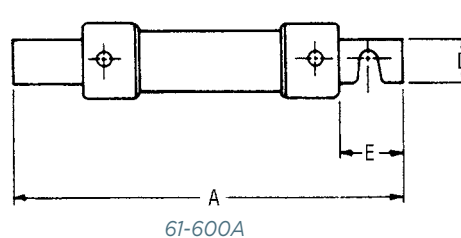
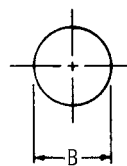
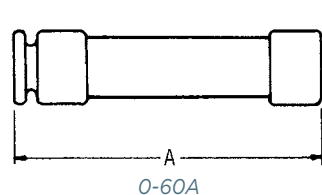
## CATALOG NUMBERS (AMPS)

| 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)

## DIMENSIONS

| Ampere Rating | A      |     | B       |    | C    |    | D     |    | E     |    |
|---------------|--------|-----|---------|----|------|----|-------|----|-------|----|
|               | In     | mm  | In      | mm | In   | mm | In    | mm | In    | mm |
| 250V-A2D      |        |     |         |    |      |    |       |    |       |    |
| 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 |
| 600V-A6D      |        |     |         |    |      |    |       |    |       |    |
| 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 |

RECOMMENDED  
FUSE BLOCKS WITH  
BOX CONNECTORS FOR  
AMP-TRAP® CLASS RK1  
FUSES

| Fuse<br>Ampere<br>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 are available. Refer to Section FB for details.