

# TRS-RDC

Time Delay/Class RK5

UL/CSA LISTED POWER FUSES

DC RATED FOR TOUGH DC APPLICATIONS



The Tri-Onic® DC fuse series is designed for DC circuit protection in surface and underground mines. The TRS-RDC is MSHA approved and meets the industry's most severe third party requirements for 600VDC rated fuses. The TRS-RDC is a time-delay fuse with essentially the same time-current characteristics as the standard Tri-Onic fuse.

## FEATURES/BENEFITS:

- DC rated for mine duty and other long time-constant applications
- Time-delay for motor start-ups and high inrush loads without nuisance opening
- Rugged glass melamine body for superior reliability in harsh environments

## RATINGS:

- **Volts:** 300VDC (0.1 to 30A); 600VDC (35 to 400A)
- **Amps:** 1/10 to 400A
- **IR:** 20kA I.R. DC

## HIGHLIGHTS:

- Time-delay
- DC rated

## APPLICATIONS:

- Mine circuits
- Trailing cables
- Pump motors
- Rail heaters

## APPROVALS:

- MSHA approval no. 28-26-0

CATALOG NUMBERS (AMPS)

|              |              |              |           |
|--------------|--------------|--------------|-----------|
| TRS1/10RDC   | TRS1-8/10RDC | TRS6-1/4RDC  | TRS60RDC  |
| TRS15/100RDC | TRS2RDC      | TRS8RDC      | TRS70RDC  |
| TRS2/10RDC   | TRS2-1/4RDC  | TRS9RDC      | TRS80RDC  |
| TRS3/10RDC   | TRS2-1/2RDC  | TRS10RDC     | TRS90RDC  |
| TRS4/10RDC   | TRS2-8/10RDC | TRS12RDC     | TRS100RDC |
| TRS1/2RDC    | TRS3RDC      | TRS15RDC     | TRS125RDC |
| TRS6/10RDC   | TRS3-2/10RDC | TRS17-1/2RDC | TRS150RDC |
| TRS8/10RDC   | TRS3-1/2RDC  | TRS20RDC     | TRS175RDC |
| TRS1RDC      | TRS4RDC      | TRS30RDC     | TRS200RDC |
| TRS1-1/8RDC  | TRS4-1/2RDC  | TRS35RDC     | TRS250RDC |
| TRS1-1/4RDC  | TRS5RDC      | TRS40RDC     | TRS300RDC |
| TRS1-4/10RDC | TRS5-6/10RDC | TRS45RDC     | TRS400RDC |
| TRS1-6/10RDC | TRS6RDC      | TRS50RDC     |           |

RECOMMENDED  
FUSE BLOCKS WITH  
BOX CONNECTORS FOR  
TRI-ONIC® CLASS RK5 FUSES

| Fuse Ampere Rating | Catalog Number |        |        |        |
|--------------------|----------------|--------|--------|--------|
|                    | 250V           |        | 600V   |        |
|                    | 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 |

A variety of pole configurations and termination provisions are available. Refer to Section FB for details.

DIMENSIONS

| Ampere Rating | A      |     | B       |    | C    |    | D     |    | E     |    |
|---------------|--------|-----|---------|----|------|----|-------|----|-------|----|
|               | In.    | mm  | In.     | mm | In.  | mm | In.   | mm | In.   | mm |
| 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 |

