TR-R & TRS-R

Time Delay/Class RK5

UL/CSA LISTED POWER FUSES

THE INDUSTRY'S MOST POPULAR FUSE FOR MOTOR CIRCUIT PROTECTION



With advanced material technology added to the existing product, the Tri-Onic® TR and TRS current-limiting time-delay fuses are engineered for overcurrent protection of motors and transformers, service entrance equipment, feeder and branch circuits. Tri-Onic fuse's proven time-delay characteristic safely handles harmless starting currents and inrush currents associated with today's motors and transformers. Now available with optional SmartSpot® blown fuse indication technology.

FEATURES/BENEFITS:

- Time-delay
- Current-limiting
- AC & DC rated
- Optional solid state SmartSpot blown fuse indicator
- 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 label for quick brand recognition and 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:

TR-R

- **Volts:** 250VAC; 250VDC (.1-2.8A; 35-400A); 160VDC (3-30A; 450-600A)
- **Amps:** 1/10 to 600A
- **IR:** 200kA I.R. AC / 20kA I.R. DC

TRS-R

- **Volts:** 600VAC; 600VDC (.1-12A; 70-600A); 300VDC (15-60A)
- **Amps:** 1/10 to 600A
- **IR:** 200kA I.R. AC
1/10-60A: 20kA I.R. DC
70-600A: 100kA I.R. DC

APPLICATIONS:

- Motor circuits
- Mains
- Feeders
- Branch circuits
- Transformers
- Service entrance equipment
- General-purpose equipment

APPROVALS:

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

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Expertise, our source of energy

PF

CATALOG NUMBERS (AMPS)

250V			600V		
TR1/10R*	TR3-1/2R*	TR50R	TRS1/10R*	TRS3-1/2R*	TRS50R
TR15/100R*	TR4R*	TR60R	TRS15/100R*	TRS4R*	TRS60R
TR2/10R*	TR4-1/2R*	TR70R	TRS2/10R*	TRS4-1/2R*	TRS70R
TR3/10R*	TR5R*	TR75R*	TRS3/10R*	TRS5R*	TRS75R*
TR4/10R*	TR5-6/10R*	TR80R	TRS4/10R*	TRS5-6/10R*	TRS80R
TR1/2R*	TR6R*	TR90R	TRS1/2R*	TRS6R*	TRS90R
TR6/10R*	TR6-1/4R*	TR100R	TRS6/10R*	TRS6-1/4R*	TRS100R
TR8/10R*	TR7R*	TR110R	TRS8/10R*	TRS7R*	TRS110R
TR1R*	TR8R	TR125R	TRS1R*	TRS8R	TRS125R
TR1-1/8R*	TR9R	TR150R	TRS1-1/8R*	TRS9R	TRS150R
TR1-1/4R*	TR10R	TR175R	TRS1-1/4R*	TRS10R	TRS175R
TR1-4/10R*	TR12R	TR200R	TRS1-4/10R*	TRS12R	TRS200R
TR1-6/10R*	TR15R	TR225R	TRS1-6/10R*	TRS15R	TRS225R
TR1-8/10R*	TR17-1/2R	TR250R	TRS1-8/10R*	TRS17-1/2R	TRS250R
TR2R*	TR20R	TR300R	TRS2R*	TRS20R	TRS300R
TR2-1/4R*	TR25R	TR350R	TRS2-1/4R*	TRS25R	TRS350R
TR2-1/2R*	TR30R	TR400R	TRS2-1/2R*	TRS30R	TRS400R
TR2-8/10R*	TR35R	TR450R	TRS2-8/10R*	TRS35R	TRS450R
TR3R*	TR40R	TR500R	TRS3R*	TRS40R	TRS500R
TR3-2/10R*	TR45R	TR600R	TRS3-2/10R*	TRS45R	TRS600R

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

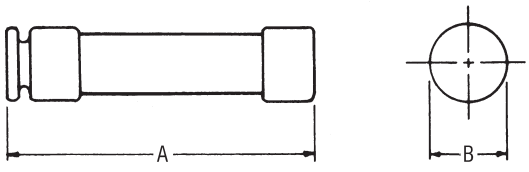
Fuse Ampere Rating	Catalog Number			
	250V		600V	
	1-Pole	3 -Pole	1-Pole	3-Pole
0-30	20306R	20308R	60306R	60308R
31-60	20606R	20608R	60606R	60608R
61-100	21036R	21038R	61036R	61038R
101-200	22001R	22003R	62001R	62003R
201-400	24001R	24003R	64001R	64003R
401-600	2631R	2633R	6631R	6633R

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

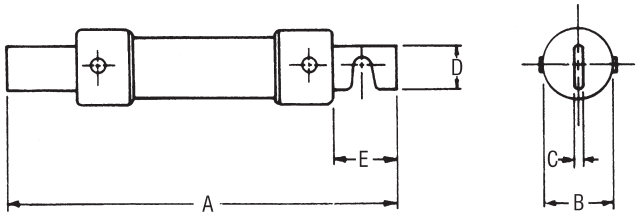
Note: Optional blown fuse visual indication available. To order, place "ID" at the end of the catalog number. Example: #TRS30RID
** Not available with optional blow fuse indicator.*
Tin plated end caps are available on Non-ID fuses less than 60A. Example Part # TRP30R, TRSP30R

DIMENSIONS

Ampere Rating	A		B		C		D		E	
	In.	mm	In.	mm	In.	mm	In.	mm	In.	mm
250V-TR Fuses										
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-TRS Fuses										
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



0-60A



61-600A

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Mersen:

TRS250R TRS5-6/10R TRS60RID TRS175RID TRS600R TRS300R TRS3R TRS100RID TRS45R TRS1R TRS15RID TRS90R TRS30RID TRS450R TRS175R TRS20RID TRS400R TRS4-1/2R TRS8R TRS225R TRS150R TRS45RID TRS7R TRS2-1/2R TRS50RID TRS25R TRS110R TRS3-2/10R TRS400RID TRS50R TRS150RID TRS35R TRS20R TRS350R TRS60R TRS125R TRS3-1/2R TRS15R TRS35RID TRS90RID TRS17-1/2R TRS200RID TRS70RID TRS600RID TRS2-8/10R TRS6-1/4R TRS40R TRS6R TRS300RID TRS4R TRS500R TRS1-1/4R TRS1-6/10R TRS70R TRS12R TRS100R TRS10R TRS2R TRS5R TRS125RID TRS9R TRS80RID TRS25RID TRS40RID TRS80R TRS10RID TRS75R TRS30R-3PK TRS30R TRS8RID TRS15R-3PK TRS2/10R TRS200R TRS250RID TRS450RID TRS35R-3PK TRS1-1/8R TRS500RID TRS225RID TRS9RID TRS15/100R TRS350RID TRS4/10R TRS2-1/4R TRS3/10R TRS8/10R TRS20R-3PK TRS60R-3PK TRS1-4/10R TRS17-1/2RID TRS10R-3PK TRS1-8/10R TRS40R-3PK TRS50R-3PK TRS45R-3PK TRS6/10R TRS110RID TRS25R-3PK TRS12RID