

Protistor® size 33 aR

450 to 690VAC (IEC) / 700VAC (UL)

SEMICONDUCTOR PROTECTION FUSES

SQUARE BODY HIGH-SPEED FUSE-LINKS AC PROTECTION



The 690/700V Protistor® fuse-links provide maximum flexibility in equipment design and ultimate protection for today's power conversion equipment. These aR ultra-fast acting square body fuse-links are available in different body sizes, each size having multiple worldwide acceptable mounting styles.

The Protistor® have been engineered to provide state-of-the-art protection for semiconductors: diodes, thyristors and IGBT devices. Fuses are assembled with die-cut elements embedded in solidified sand, which helps control arcing characteristics for a lower I^2t and high interrupting rating level. All contact surfaces are silver plated and all hardware is non-magnetic.

Each fuse-link can be equipped with a low voltage trip-indicator which can operate a field mountable microswitch.

TECHNICAL DATA OVERVIEW

Voltage Range AC	450 ... 690 VAC
Ampere Range (A)	450 ... 2500 A
Speed/Characteristic	aR
I.R. AC	110 ... 200 kA
Product Size	33

FEATURES & BENEFITS

- Multiple body sizes and terminals or blades combination
- aR Class according to IEC 60269-4 and VDE 636-23
- Very low I^2t for improved semiconductor protection
- Ultra fast acting
- Current limiting
- Superior cycling capability

APPLICATIONS

- Protection of inverters, motor drives, UPS systems and similar 690V or less equipments.

STANDARDS

- IEC 60269-4 Compliance
- UL/CSA Recognized E76491 : see « UL certified » status given in Product Range table
- CCC GB 13539.4 for Asian market only



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PRODUCT RANGE



PC33UD69V1400TF

Size 33 type TTF M12 threaded terminals

Catalog number	Item number	Rated voltage AC (IEC)	Rated voltage AC (UL)	Rated current I _n	Pre-arcing I ² t	Clearing I ² t at Rated Voltage	Rated breaking capacity AC	Power dissipation at I _n	UL certified	Package	Weight
Standard Terminal											
PC33UD69V450TF	W302170	690 V	700 V	450 A	13.45 kA ² s	87 kA ² s	200 kA	84 W	✓	3	0.81 kg
PC33UD69V500TF	V300076	690 V	700 V	500 A	19 kA ² s	110 kA ² s	200 kA	105 W	✓	3	0.81 kg
PC33UD69V550TF	W300077	690 V	700 V	550 A	27 kA ² s	155 kA ² s	200 kA	105 W	✓	3	0.81 kg
PC33UD69V630TF	X300078	690 V	700 V	630 A	40 kA ² s	230 kA ² s	200 kA	110 W	✓	3	0.81 kg
PC33UD69V700TF	Y300079	690 V	700 V	700 A	57 kA ² s	330 kA ² s	200 kA	115 W	✓	3	0.81 kg
PC33UD69V800TF	Z300080	690 V	700 V	800 A	93 kA ² s	540 kA ² s	200 kA	120 W	✓	3	0.81 kg
PC33UD69V900TF	A300081	690 V	700 V	900 A	130 kA ² s	770 kA ² s	200 kA	120 W	✓	3	0.81 kg
PC33UD69V1000TF	B300082	690 V	700 V	1000 A	170 kA ² s	990 kA ² s	200 kA	135 W	✓	3	0.81 kg
PC33UD69V1100TF	C300083	690 V	700 V	1100 A	240 kA ² s	1390 kA ² s	200 kA	135 W	✓	3	0.81 kg
Reinforced Terminal											
PC33UD69V1250TF	D300084	690 V	700 V	1250 A	355 kA ² s	2053 kA ² s	200 kA	150 W	✓	3	0.81 kg
PC33UD69V1400TF	E300085	690 V	700 V	1400 A	465 kA ² s	2700 kA ² s	200 kA	160 W	✓	3	0.81 kg
PC33UD60V1500TF	Y300585	600 V	650 V	1500 A	470 kA ² s	2500 kA ² s	200 kA	210 W	✓	3	0.81 kg
PC33UD60V1600TF	Z300586	600 V	650 V	1600 A	555 kA ² s	2900 kA ² s	200 kA	210 W	✓	3	0.81 kg
PC33UD60V1800TF	A300587	600 V	650 V	1800 A	720 kA ² s	3870 kA ² s	200 kA	225 W	✓	3	0.81 kg
PC33UD55V2000TF	B300588	550 V	600 V	2000 A	950 kA ² s	4500 kA ² s	200 kA	250 W	✓	3	0.81 kg
PC33UD50V2250TF	K300757	500 V	550 V	2250 A	1250 kA ² s	5160 kA ² s	200 kA	280 W	✓	3	0.81 kg
PC33UD45V2500TF	L300758	450 V	500 V	2500 A	1870 kA ² s	6540 kA ² s	200 kA	280 W	✓	3	0.81 kg