

# Protistor® size 71 aR

750 to 1300VAC

## Square Body High-Speed Fuse-Links AC Protection

These Protistor® fuse-links provide maximum flexibility in equipment design and ultimate protection for today's power conversion equipment. These 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, GTO's and IGBT devices. Fuses are assembled with pure silver, 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.

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

### 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.

### Technical data overview

Voltage Range AC	750 ... 1300 VAC
Ampere Range (A)	160 ... 900 A
Speed/Characteristic	aR
Product Size	71



### Standards

IEC 60269-4 Compliance

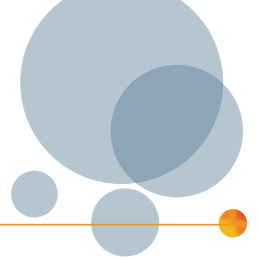
UL/CSA Recognized E76491

CCC GB 13539.4



# Protistor® size 71 aR

750 to 1300VAC



## Product range

### Size 71 type TTI 5/16"-18 unified coarse threaded terminals

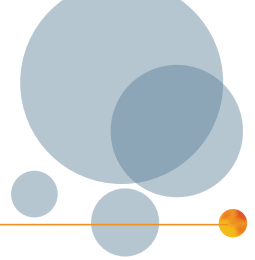
Catalog number	Reference number	Rated voltage AC (IEC)	Rated voltage AC (UL)	Rated current I <sub>n</sub>	Pre-arcing I <sup>2</sup> t	Clearing I <sup>2</sup> t at Rated Voltage	Rated breaking capacity AC	Power dissipation at I <sub>n</sub>	Weight	Package
A130UD71TTI160	B301025	1250 V	1300 V	160 A	2.6 kA <sup>2</sup> s	21 kA <sup>2</sup> s	100 kA	46 W	500 g	3
A130UD71TTI200	C301026	1250 V	1300 V	200 A	4.7 kA <sup>2</sup> s	38 kA <sup>2</sup> s	100 kA	54 W	500 g	3
A130UD71TTI250	D301027	1250 V	1300 V	250 A	8.9 kA <sup>2</sup> s	72 kA <sup>2</sup> s	100 kA	61 W	500 g	3
A130UD71TTI280	E301028	1250 V	1300 V	280 A	12 kA <sup>2</sup> s	96 kA <sup>2</sup> s	100 kA	68 W	500 g	3
A130UD71TTI315	F301029	1250 V	1300 V	315 A	16 kA <sup>2</sup> s	129 kA <sup>2</sup> s	100 kA	73 W	500 g	3
A130UD71TTI350	G301030	1250 V	1300 V	350 A	22 kA <sup>2</sup> s	178 kA <sup>2</sup> s	100 kA	76 W	500 g	3
A130UD71TTI400	H301031	1250 V	1300 V	400 A	38 kA <sup>2</sup> s	308 kA <sup>2</sup> s	100 kA	76 W	500 g	3
A130UD71TTI450	J301032	1250 V	1300 V	450 A	47 kA <sup>2</sup> s	378 kA <sup>2</sup> s	100 kA	87 W	500 g	3
A130UD71TTI500	K301033	1100 V	1200 V	500 A	68 kA <sup>2</sup> s	441 kA <sup>2</sup> s	100 kA	90 W	500 g	3
A120UD71TTI550	L301034	1100 V	1200 V	550 A	84 kA <sup>2</sup> s	548 kA <sup>2</sup> s	100 kA	98 W	500 g	3
A120UD71TTI630	M301035	1000 V	1100 V	630 A	126 kA <sup>2</sup> s	820 kA <sup>2</sup> s	100 kA	105 W	500 g	3



PC71UD13C450TF

### Size 71 type TTF M8 threaded terminals

Catalog number	Reference number	Rated voltage AC (IEC)	Rated voltage AC (UL)	Rated current I <sub>n</sub>	Pre-arcing I <sup>2</sup> t	Clearing I <sup>2</sup> t at Rated Voltage	Rated breaking capacity AC	Power dissipation at I <sub>n</sub>	Weight	Package
PC71UD13C160TF	B300749	1250 V	1300 V	160 A	2.6 kA <sup>2</sup> s	21 kA <sup>2</sup> s	100 kA	46 W	515 g	3
PC71UD13C200TF	Z300517	1250 V	1300 V	200 A	4.7 kA <sup>2</sup> s	38 kA <sup>2</sup> s	100 kA	54 W	515 g	3
PC71UD13C250TF	A300518	1250 V	1300 V	250 A	8.9 kA <sup>2</sup> s	72 kA <sup>2</sup> s	100 kA	61 W	515 g	3
PC71UD13C280TF	P300715	1250 V	1300 V	280 A	12 kA <sup>2</sup> s	96 kA <sup>2</sup> s	100 kA	68 W	515 g	3
PC71UD13C315TF	B300519	1250 V	1300 V	315 A	16 kA <sup>2</sup> s	129 kA <sup>2</sup> s	100 kA	73 W	515 g	3
PC71UD13C350TF	C300520	1250 V	1300 V	350 A	22 kA <sup>2</sup> s	178 kA <sup>2</sup> s	100 kA	76 W	515 g	3
PC71UD13C400TF	D300521	1250 V	1300 V	400 A	38 kA <sup>2</sup> s	308 kA <sup>2</sup> s	100 kA	76 W	515 g	3
PC71UD13C450TF	E300522	1250 V	1300 V	450 A	47 A <sup>2</sup> s	378 kA <sup>2</sup> s	100 kA	87 W	515 g	3
PC71UD11C500TF	F300523	1100 V	1200 V	500 A	68 kA <sup>2</sup> s	441 kA <sup>2</sup> s	100 kA	90 W	515 g	3
PC71UD11C550TF	G300524	1100 V	1200 V	550 A	84 kA <sup>2</sup> s	548 kA <sup>2</sup> s	100 kA	98 W	515 g	3
PC71UD11C630TF	H300525	1000 V	1100 V	630 A	126 kA <sup>2</sup> s	725 kA <sup>2</sup> s	150 kA	105 W	515 g	3
PC71UD10C700TF	M301288	1000 V	1100 V	700 A	180 A <sup>2</sup> s	1040 A <sup>2</sup> s	120 kA	105 W	515 g	3
PC71UD90V800TF	Z300862	900 V	950 V	800 A	290 kA <sup>2</sup> s	1540 kA <sup>2</sup> s	100 kA	116 W	515 g	3
PC71UD80V900TF	N301289	800 V	850 V	900 A	446 kA <sup>2</sup> s	2010 kA <sup>2</sup> s	100 kA	100 W	515 g	3
PC71UD75V10CTF	R301292	750 V	800 V	1000 A	556 kA <sup>2</sup> s	2310 kA <sup>2</sup> s	100 kA	129 W	515 g	3



## Product range

### Size 71 type long slotted blades

Catalog number	Reference number	Rated voltage AC (IEC)	Rated voltage AC (UL)	Rated current I <sub>n</sub>	Pre-arcing I <sup>2</sup> t	Clearing I <sup>2</sup> t at Rated Voltage	Rated breaking capacity AC	Power dissipation at I <sub>n</sub>	Weight	Package
A130UD71LLI160	E300752	1250 V	1300 V	160 A	2.6 kA <sup>2</sup> s	21 kA <sup>2</sup> s	100 kA	46 W	540 g	3
A130UD71LLI200	F300661	1250 V	1300 V	200 A	4.7 kA <sup>2</sup> s	38 kA <sup>2</sup> s	100 kA	54 W	540 g	3
A130UD71LLI250	G300662	1250 V	1300 V	250 A	8.9 kA <sup>2</sup> s	72 kA <sup>2</sup> s	100 kA	61 W	540 g	3
A130UD71LLI280	R300717	1250 V	1300 V	280 A	12 kA <sup>2</sup> s	96 kA <sup>2</sup> s	100 kA	70 W	540 g	3
A130UD71LLI315	H300663	1250 V	1300 V	315 A	16 kA <sup>2</sup> s	129 kA <sup>2</sup> s	100 kA	76 W	540 g	3
A130UD71LLI350	J300664	1250 V	1300 V	350 A	22 kA <sup>2</sup> s	178 kA <sup>2</sup> s	100 kA	80 W	540 g	3
A130UD71LLI400	K300665	1250 V	1300 V	400 A	38 kA <sup>2</sup> s	308 kA <sup>2</sup> s	100 kA	80 W	540 g	3
A130UD71LLI450	L300666	1250 V	1300 V	450 A	47 kA <sup>2</sup> s	378 kA <sup>2</sup> s	100 kA	95 W	540 g	3
A120UD71LLI500	M300667	1100 V	1200 V	500 A	68 kA <sup>2</sup> s	441 kA <sup>2</sup> s	100 kA	100 W	540 g	3
A120UD71LLI550	N300668	1100 V	1200 V	550 A	84 kA <sup>2</sup> s	548 kA <sup>2</sup> s	100 kA	112 W	540 g	3
A110UD71LLI630	P300669	1000 V	1100 V	630 A	126 kA <sup>2</sup> s	725 kA <sup>2</sup> s	120 kA	120 W	540 g	3

### Size 71 type NH style blade contacts

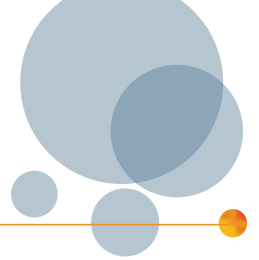
Catalog number	Reference number	Rated voltage AC (IEC)	Rated voltage AC (UL)	Rated current I <sub>n</sub>	Pre-arcing I <sup>2</sup> t	Clearing I <sup>2</sup> t at Rated Voltage	Rated breaking capacity AC	Power dissipation at I <sub>n</sub>	Weight	Package
PC71UD13C160PA	M301219	1250 V	1300 V	160 A	2.6 kA <sup>2</sup> s	21 kA <sup>2</sup> s	100 kA	46 W	560 g	3
PC71UD13C200PA	G301835	1250 V	1300 V	200 A	4.7 kA <sup>2</sup> s	38 kA <sup>2</sup> s	100 kA	54 W	560 g	3
PC71UD13C250PA	B301163	1250 V	1300 V	250 A	8.9 kA <sup>2</sup> s	72 kA <sup>2</sup> s	100 kA	61 W	560 g	3
PC71UD13C315PA	A300840	1250 V	1300 V	315 A	16 kA <sup>2</sup> s	129 kA <sup>2</sup> s	100 kA	76 W	560 g	3
PC71UD13C350PA	H1000070	1250 V	1300 V	350 A	22 kA <sup>2</sup> s	178 kA <sup>2</sup> s	100 kA	80 W	560 g	3
PC71UD13C400PA	Q301222	1250 V	1300 V	400 A	38 kA <sup>2</sup> s	308 kA <sup>2</sup> s	100 kA	80 W	560 g	3
PC71UD13C450PA	W302975	1250 V	1300 V	450 A	47 kA <sup>2</sup> s	378 kA <sup>2</sup> s	100 kA	95 W	560 g	3

### Size 71 type EF style notched blade connections

Catalog number	Reference number	Rated voltage AC (IEC)	Rated voltage AC (UL)	Rated current I <sub>n</sub>	Pre-arcing I <sup>2</sup> t	Clearing I <sup>2</sup> t at Rated Voltage	Rated breaking capacity AC	Power dissipation at I <sub>n</sub>	Weight	Package
PC71UD13C160EF	C300750	1250 V	1300 V	160 A	2.6 kA <sup>2</sup> s	21 kA <sup>2</sup> s	100 kA	46 W	540 g	3
PC71UD13C200EF	Z300609	1250 V	1300 V	200 A	4.7 kA <sup>2</sup> s	38 kA <sup>2</sup> s	100 kA	54 W	540 g	3
PC71UD13C250EF	A300610	1250 V	1300 V	250 A	8.9 A <sup>2</sup> s	72 kA <sup>2</sup> s	100 kA	61 W	540 g	3
PC71UD13C280EF	M300713	1250 V	1300 V	280 A	12 kA <sup>2</sup> s	96 kA <sup>2</sup> s	100 kA	70 W	540 g	3
PC71UD13C315EF	B300611	1250 V	1300 V	315 A	16 kA <sup>2</sup> s	129 kA <sup>2</sup> s	100 kA	76 W	540 g	3
PC71UD13C350EF	C300612	1250 V	1300 V	350 A	22 kA <sup>2</sup> s	178 kA <sup>2</sup> s	100 kA	80 W	540 g	3
PC71UD13C400EF	D300613	1250 V	1300 V	400 A	38 kA <sup>2</sup> s	308 kA <sup>2</sup> s	100 kA	80 W	540 g	3
PC71UD13C450EF	E300614	1250 V	1300 V	450 A	47 kA <sup>2</sup> s	378 kA <sup>2</sup> s	100 kA	95 W	540 g	3
PC71UD11C500EF	F300615	1100 V	1200 V	500 A	68 kA <sup>2</sup> s	441 kA <sup>2</sup> s	150 kA	100 W	540 g	3
PC71UD11C550EF	G300616	1100 V	1200 V	550 A	84 kA <sup>2</sup> s	548 kA <sup>2</sup> s	150 kA	112 W	540 g	3
PC71UD10C630EF	H300617	1000 V	1100 V	630 A	126 kA <sup>2</sup> s	725 kA <sup>2</sup> s	150 kA	120 W	540 g	3

# Protistor® size 71 aR

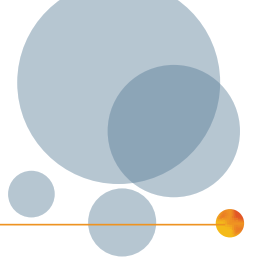
750 to 1300VAC



## Product range

### Size 71 type DIN110

Catalog number	Reference number	Rated voltage AC (IEC)	Rated voltage AC (UL)	Rated current I <sub>n</sub>	Pre-arcing I <sup>2</sup> t	Clearing I <sup>2</sup> t at Rated Voltage	Rated breaking capacity AC	Power dissipation at I <sub>n</sub>	Weight	Package
PC71UD13C160D1A	D300751	1250 V	1300 V	160 A	2.6 kA <sup>2</sup> s	21 kA <sup>2</sup> s	100 kA	46 W	520 g	3
PC71UD13C200D1A	E300545	1250 V	1300 V	200 A	4.7 kA <sup>2</sup> s	38 kA <sup>2</sup> s	100 kA	54 W	520 g	3
PC71UD13C250D1A	F300546	1250 V	1300 V	250 A	8.9 kA <sup>2</sup> s	72 kA <sup>2</sup> s	100 kA	61 W	520 g	3
PC71UD12C280D1A	K300711	1250 V	1300 V	280 A	12 kA <sup>2</sup> s	96 kA <sup>2</sup> s	100 kA	70 W	520 g	3
PC71UD12C315D1A	G300547	1250 V	1300 V	315 A	16 kA <sup>2</sup> s	129 kA <sup>2</sup> s	100 kA	76 W	520 g	3
PC71UD13C350D1A	H300548	1250 V	1300 V	350 A	22 kA <sup>2</sup> s	178 kA <sup>2</sup> s	100 kA	80 W	520 g	3
PC71UD13C400D1A	J300549	1250 V	1300 V	400 A	38 kA <sup>2</sup> s	308 kA <sup>2</sup> s	100 kA	80 W	520 g	3
PC71UD13C450D1A	K300550	1250 V	1300 V	450 A	47 kA <sup>2</sup> s	378 kA <sup>2</sup> s	100 kA	95 W	520 g	3
PC71UD11C500D1A	L300551	1100 V	1200 V	500 A	68 kA <sup>2</sup> s	441 kA <sup>2</sup> s	150 kA	100 W	520 g	3
PC71UD13C550D1A	M300552	1100 V	1200 V	550 A	84 kA <sup>2</sup> s	548 kA <sup>2</sup> s	150 kA	112 W	520 g	3
PC71UD10C630D1A	N300553	1000 V	1100 V	630 A	125 kA <sup>2</sup> s	725 kA <sup>2</sup> s	150 kA	120 W	520 g	3



Time current characteristic curves

Protistor® Size 71 aR 160A - 1000A

