

Protistor® size 73 aR

600 to 1250VAC (IEC) / 1300VAC (UL)

SEMICONDUCTOR PROTECTION FUSES

SQUARE BODY HIGH-SPEED FUSE-LINKS AC PROTECTION



These 1250/1300V 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.

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

TECHNICAL DATA OVERVIEW

Voltage Range AC	600 ... 1250 VAC
Ampere Range (A)	315 ... 1800 A
Speed/Characteristic	aR
I.R. AC	100 ... 185 kA
Product Size	73

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
- CCC GB 13539.4



PRODUCT RANGE

Size 73 type TTI 1/2"-13 unified coarse 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	Package	Weight
A130UD73TTI315	Z301046	1250 V	1300 V	315 A	12 kA²s	95 kA²s	100 kA	84 W	1	1.25 kg
A130UD73TTI350	A301047	1250 V	1300 V	350 A	17 kA²s	140 kA²s	100 kA	86 W	1	1.25 kg
A130UD73TTI400	B301048	1250 V	1300 V	400 A	25 kA²s	205 kA²s	100 kA	93 W	1	1.25 kg
A130UD73TTI450	C301049	1250 V	1300 V	450 A	35.5 kA²s	290 kA²s	100 kA	99 W	1	1.25 kg
A130UD73TTI500	D301050	1250 V	1300 V	500 A	44 kA²s	360 kA²s	100 kA	112 W	1	1.25 kg
A130UD73TTI550	E301051	1250 V	1300 V	550 A	57 kA²s	465 kA²s	100 kA	116 W	1	1.25 kg
A130UD73TTI630	F301052	1250 V	1300 V	630 A	84 kA²s	680 kA²s	100 kA	125 W	1	1.25 kg
A130UD73TTI700	G301053	1250 V	1300 V	700 A	114 kA²s	900 kA²s	100 kA	135 W	1	1.25 kg
A130UD73TTI800	H301054	1250 V	1300 V	800 A	189 kA²s	1530 kA²s	100 kA	136 W	1	1.25 kg
A130UD73TTI900	T1013903	1200 V	1300 V	900 A	250 kA²s	1870 kA²s	100 kA	150 W	1	1.25 kg
A110UD73TTI1000	L301056	1000 V	1100 V	1000 A	370 kA²s	2130 kA²s	120 kA	152 W	1	1.25 kg
A100UD73TTI1100	L301057	950 V	1000 V	1100 A	445 kA²s	2430 kA²s	110 kA	168 W	1	1.25 kg
A100UD73TTI1250	M301058	900 V	1000 V	1250 A	585 kA²s	3080 kA²s	110 kA	186 W	1	1.25 kg
A090UD73TTI1400	N301059	850 V	900 V	1400 A	755 kA²s	3700 kA²s	185 kA	210 W	1	1.25 kg
A070UD73TTI1600	Q300877	690 V	700 V	1600 A	1430 kA²s	5740 kA²s	185 kA	203 W	1	1.25 kg
A065UD73TTI1800	R300878	600 V	650 V	1800 A	2040 kA²s	7150 kA²s	120 kA	206 W	1	1.25 kg



PC73UD10C1000TF

Size 73 type TTF M12 threaded terminals

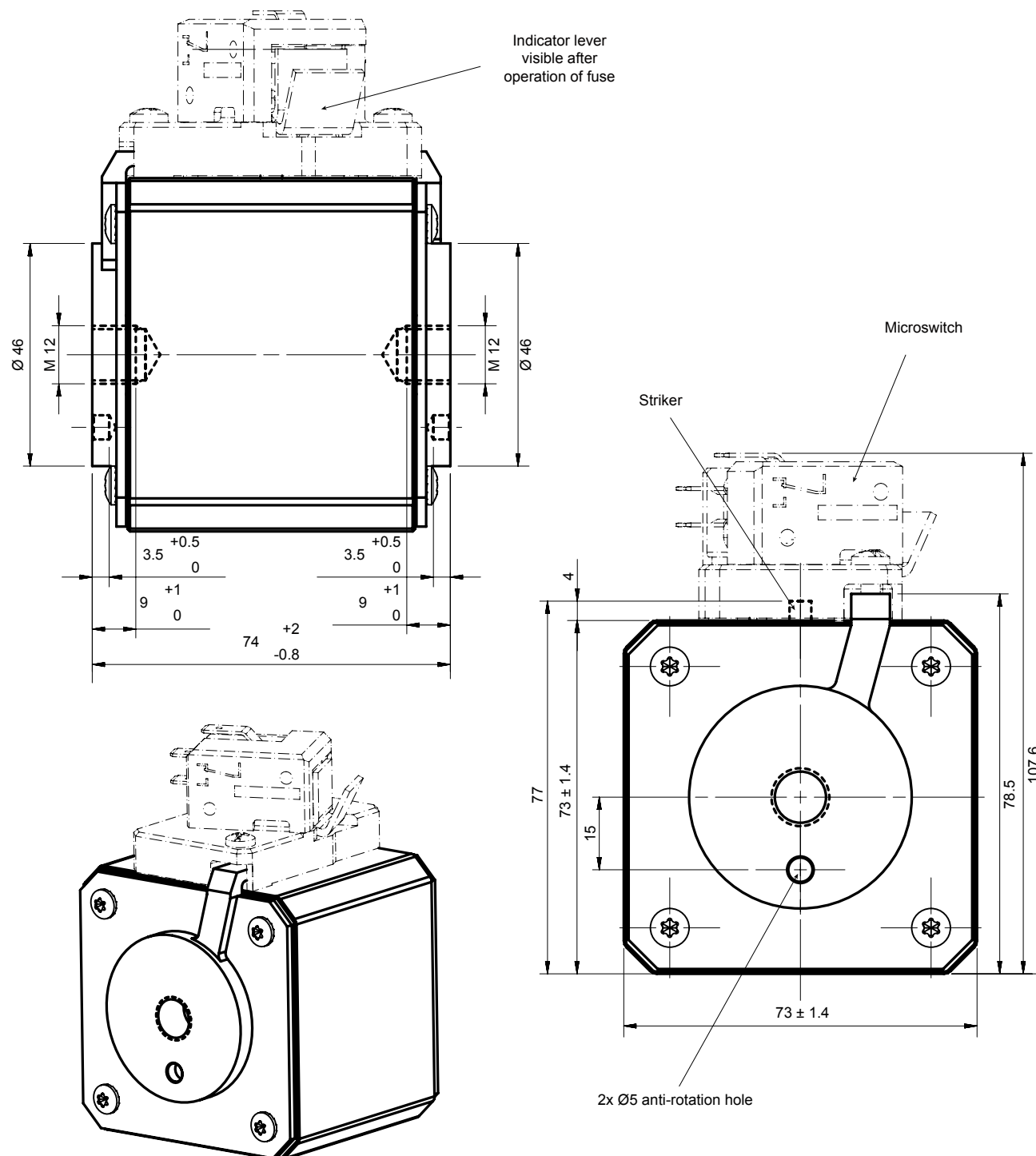
Catalog number	Item number	Rated voltage AC (IEC)	Rated voltage AC (UL)	Rated current I _n	Pre-arcing I ² t	Clearing I ² t at Rated Voltage	Rated breaking capacity AC	Power dissipation at I _n	Package	Weight
PC73UD13C315TF	J300503	1250 V	1300 V	315 A	12 kA²s	95 kA²s	100 kA	84 W	1	1.11 kg
PC73UD13C350TF	K300504	1250 V	1300 V	350 A	17 kA²s	140 kA²s	100 kA	86 W	1	1.11 kg
PC73UD13C400TF	L300505	1250 V	1300 V	400 A	25 kA²s	205 kA²s	100 kA	93 W	1	1.11 kg
PC73UD13C450TF	M300506	1250 V	1300 V	450 A	35.5 kA²s	290 kA²s	100 kA	99 W	1	1.11 kg
PC73UD13C500TF	N300507	1250 V	1300 V	500 A	44 kA²s	360 kA²s	100 kA	112 W	1	1.11 kg
PC73UD13C550TF	P300508	1250 V	1300 V	550 A	57 kA²s	465 kA²s	100 kA	116 W	1	1.11 kg
PC73UD13C630TF	Q300509	1250 V	1300 V	630 A	84 kA²s	680 kA²s	100 kA	125 W	1	1.11 kg
PC73UD13C700TF	R300510	1250 V	1300 V	700 A	114 kA²s	900 kA²s	100 kA	135 W	1	1.11 kg
PC73UD13C800TF	S300511	1250 V	1300 V	800 A	189 kA²s	1530 kA²s	100 kA	136 W	1	1.11 kg
PC73UD12C900TF	T300512	1200 V	1300 V	900 A	250 kA²s	1870 kA²s	100 kA	151 W	1	1.22 kg
PC73UD10C1000TF	V300513	1000 V	1100 V	1000 A	370 kA²s	2130 kA²s	120 kA	152 W	1	1.22 kg
PC73UD95V11CTF	W300514	950 V	1000 V	1100 A	445 kA²s	2430 kA²s	110 kA	168 W	1	1.22 kg
PC73UD90V13CTF	T300696	900 V	1000 V	1250 A	585 kA²s	3080 kA²s	110 kA	186 W	1	1.22 kg
PC73UD85V14CTF	S300718	850 V	900 V	1400 A	755 kA²s	3700 kA²s	185 kA	210 W	1	1.22 kg
PC73UD69V16CTF	B301301	690 V	700 V	1600 A	1430 kA²s	5740 kA²s	185 kA	203 W	1	1.22 kg
PC73UD60V18CTF	C301302	600 V	650 V	1800 A	2040 kA²s	7150 kA²s	120 kA	206 W	1	1.22 kg

Protistor® size 73 aR

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DIMENSIONS

size 73 aR type TTF (105701_B)



Dimensions in mm

APPENDIX

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Catalog number	Item number	Description 1	Page
A130UD73TTI315	Z301046	A130URD73TTI0315	2
A130UD73TTI350	A301047	A130URD73TTI0350	2
A130UD73TTI400	B301048	A130URD73TTI0400	2
A130UD73TTI450	C301049	A130URD73TTI0450	2
A130UD73TTI500	D301050	A130URD73TTI0500	2
A130UD73TTI550	E301051	A130URD73TTI0550	2
A130UD73TTI630	F301052	A130URD73TTI0630	2
A130UD73TTI700	G301053	A130URD73TTI0700	2
A130UD73TTI800	H301054	A 130 URD 73 TTI 0800	2
A130UD73TTI900	T1013903	A 130 URD 73 TTI 0900	2
A110UD73TTI1000	K301056	A 110 URD 73 TTI 1000	2
A100UD73TTI1100	L301057	A100URD73TTI1100	2
A100UD73TTI1250	M301058	A100URD73TTI1250	2
A090UD73TTI1400	N301059	A 090 URD 73 TTI 1400	2
A070UD73TTI1600	Q300877	A 070 URD 73 TTI 1600	2
A065UD73TTI1800	R300878	A 065 URD 73 TTI 1800	2
PC73UD13C315TF	J300503	12,5 URD 73 TT F 0315	2
PC73UD13C350TF	K300504	12,5 URD 73 TT F 0350	2
PC73UD13C400TF	L300505	12,5 URD 73 TT F 0400	2
PC73UD13C450TF	M300506	12,5 URD 73 TT F 0450	2
PC73UD13C500TF	N300507	12,5 URD 73 TT F 0500	2
PC73UD13C550TF	P300508	12,5 URD 73 TT F 0550	2
PC73UD13C630TF	Q300509	12,5 URD 73 TT F 0630	2
PC73UD13C700TF	R300510	12,5 URD 73 TTF 0700	2
PC73UD13C800TF	S300511	12,5 URD 73 TT F 0800	2
PC73UD12C900TF	T300512	12 URD 73 TT F 0900	2
PC73UD10C1000TF	V300513	10 URD 73 TT F 1000	2
PC73UD95V11CTF	W300514	9,5 URD 73 TT F 1100	2
PC73UD90V13CTF	T300696	9 URD 73 TT F 1250	2
PC73UD85V14CTF	S300718	8,5 URD 73 TT F 1400	2
PC73UD69V16CTF	B301301	6,9 URD 73 TTF 1600	2
PC73UD60V18CTF	C301302	6 URD 73 TTF 1800	2
A130UD73LI315	B300680	A130URD73LI0315	3
A130UD73LI350	C300681	A130URD73LI0350	3
A130UD73LI400	D300682	A130URD73LI0400	3
A130UD73LI450	E300683	A130URD73LI0450	3
A120UD73LI500	F300684	A130URD73LI0500	3
A130UD73LI550	G300685	A130URD73LI0550	3
A130UD73LI630	H300686	A130URD73LI0630	3
A130UD73LI700	J300687	A 130 URD 73 LI 0700	3
A120UD73LI800	K300688	A 120 URD 73 LI 0800	3
A110UD73LI900	L300689	A110URD73LI0900	3
A100UD73LI1000	M300690	A 100 URD 73 LI 1000	3
A100UD73LI1100	N300691	A 100 URD 73 LI 1100	3
A100UD73LI1250	J301193	A 100 URD 73 LI 1250	3
A90UD73LI1400	K301194	A 090 URD 73 LI 1400	3
PC73UD13C450PA	X302976	12,5 URD 73 PA 0450	3
PC73UD13C500PA	S302719	12,5 URD 73 PA 0500	3
PC73UD13C550PA	Y302977	12,5 URD 73 PA 0550	3
PC73UD13C630PA	D300843	12,5 URD 73 PA 0630	3
PC73UD12C700PA	B301784	12 URD 73 PA 0700	3
PC73UD11C800PA	Z301966	11 URD 73 PA 0800	3
PC73UD10C900PA	F302685	10 URD 73 PA 0900	3
PC73UD90V10CPA	R302718	PC73UD90V10CPA	3
PC73UD90V11CPA	Q302717	9 URD 73 PA 1100	3

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