

Protistor® size 31 aR

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.

They have been engineered to provide state-of-the-art protection for semiconductors: diodes, thyristors and IGBT devices. They 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 AC	690 VAC
Ampere Range (A)	160 ... 800 A
Speed/Characteristic	aR
I.R. AC (IEC)	170 kA
Product Size	31

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 1539.4



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PRODUCT RANGE



PC31UD69V800TF

Size 31 type TTF M8 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
PC31UD69V160TF	M300299	690 V	700 V	160 A	1300 A ² s	7700 A ² s	200 kA	35 W	3	0.38 kg
PC31UD69V200TF	N300001	690 V	700 V	200 A	2600 A²s	15000 A²s	200 kA	45 W	3	0.38 kg
PC31UD69V250TF	P300002	690 V	700 V	250 A	4700 A ² s	28000 A ² s	200 kA	52 W	3	0.38 kg
PC31UD69V315TF	Q300003	690 V	700 V	315 A	7500 A ² s	44000 A ² s	200 kA	65 W	3	0.38 kg
PC31UD69V350TF	M300046	690 V	700 V	350 A	10300 A ² s	61000 A ² s	200 kA	67 W	3	0.38 kg
PC31UD69V400TF	R300004	690 V	700 V	400 A	19000 A ² s	110000 A ² s	200 kA	68 W	3	0.38 kg
PC31UD69V450TF	S300005	690 V	700 V	450 A	26500 A ² s	155000 A ² s	200 kA	70 W	3	0.38 kg
PC31UD69V500TF	T300006	690 V	700 V	500 A	37000 A ² s	215000 A ² s	200 kA	70 W	3	0.38 kg
PC31UD69V550TF	V300007	690 V	700 V	550 A	52000 A ² s	310000 A ² s	200 kA	70 W	3	0.38 kg
PC31UD69V630TF	W300008	690 V	700 V	630 A	75000 A ² s	430000 A ² s	200 kA	75 W	3	0.38 kg
PC31UD69V700TF	X300009	690 V	700 V	700 A	95000 A ² s	540000 A ² s	200 kA	85 W	3	0.38 kg
PC31UD69V800TF	Y300401	690 V	700 V	800 A	140000 A ² s	880000 A ² s	200 kA	105 W	3	0.38 kg



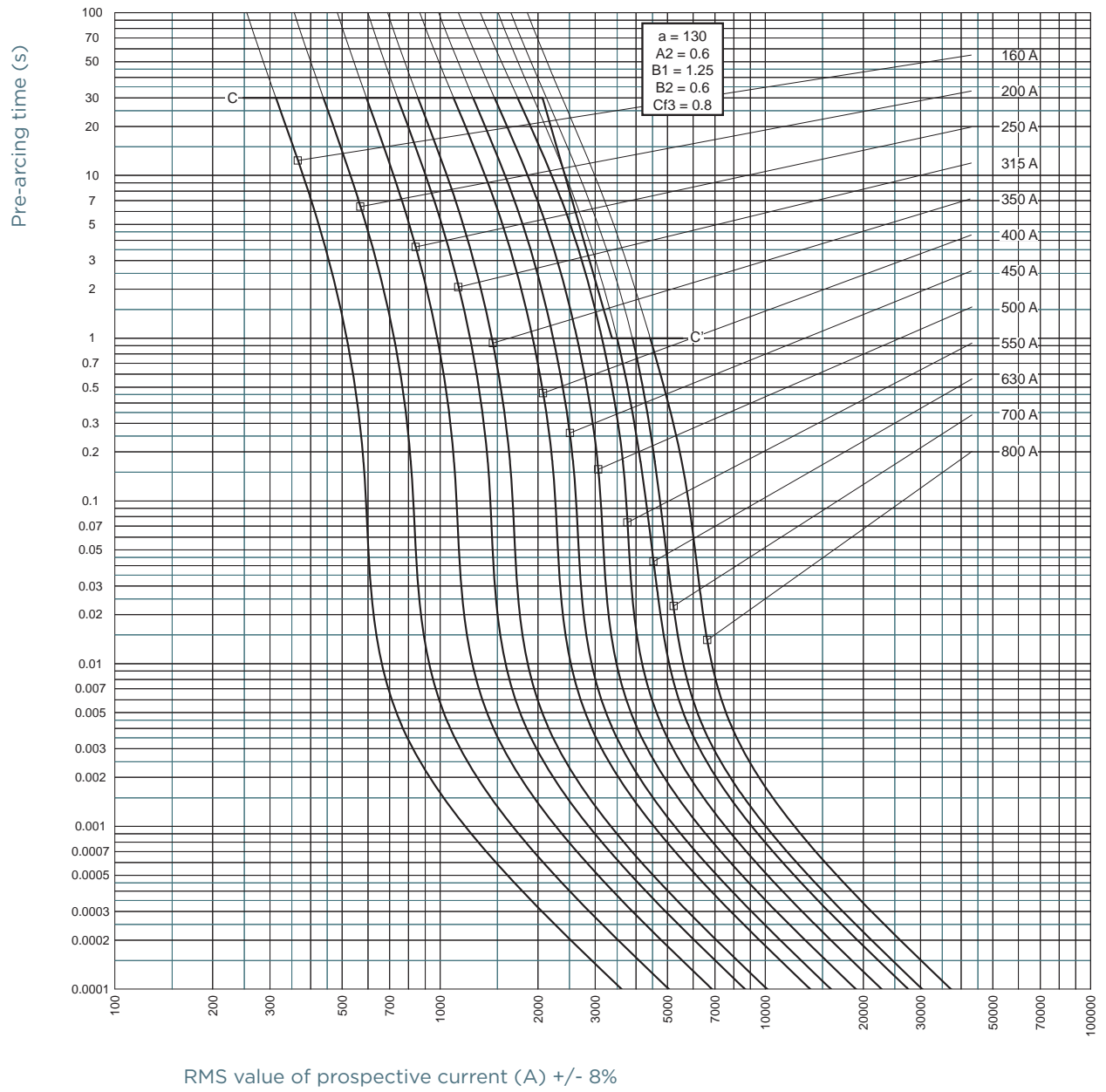
A070UD31TTI800

Size 31 type TTI 5/16''-18 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
A070UD31TTI200	A300472	690 V	700	200 A	2600 A ² s	15000 A ² s	200 kA	45 W	3	0.39 kg
A070UD31TTI250	B300473	690 V	700	250 A	4700 A ² s	28000 A ² s	200 kA	52 W	3	0.39 kg
A070UD31TTI315	C300474	690 V	700	315 A	7500 A ² s	44000 A ² s	200 kA	65 W	3	0.39 kg
A070UD31TTI350	D300475	690 V	700	350 A	10300 A ² s	61000 A ² s	200 kA	67 W	3	0.39 kg
A070UD31TTI400	E300476	690 V	700	400 A	19000 A ² s	110000 A ² s	200 kA	68 W	3	0.39 kg
A070UD31TTI450	F300477	690 V	700	450 A	26500 A ² s	155000 A ² s	200 kA	70 W	3	0.39 kg
A070UD31TTI500	G300478	690 V	700	500 A	37000 A ² s	215000 A ² s	200 kA	70 W	3	0.39 kg
A070UD31TTI550	H300479	690 V	700	550 A	52000 A ² s	310000 A ² s	200 kA	70 W	3	0.39 kg
A070UD31TTI630	J300480	690 V	700	630 A	75000 A ² s	430000 A ² s	200 kA	75 W	3	0.39 kg
A070UD31TTI700	K300481	690 V	700	700 A	95000 A ² s	540000 A ² s	200 kA	85 W	3	0.39 kg
A070UD31TTI800	L300482	690 V	700	800 A	140000 A ² s	880000 A ² s	200 kA	105 W	3	0.39 kg

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TIME CURRENT CHARACTERISTIC CURVES



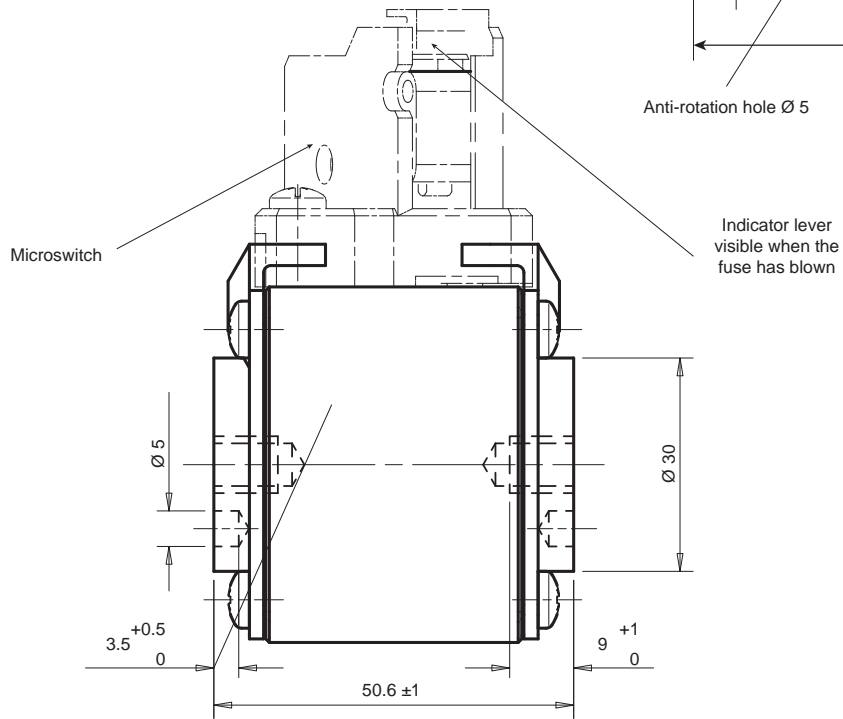
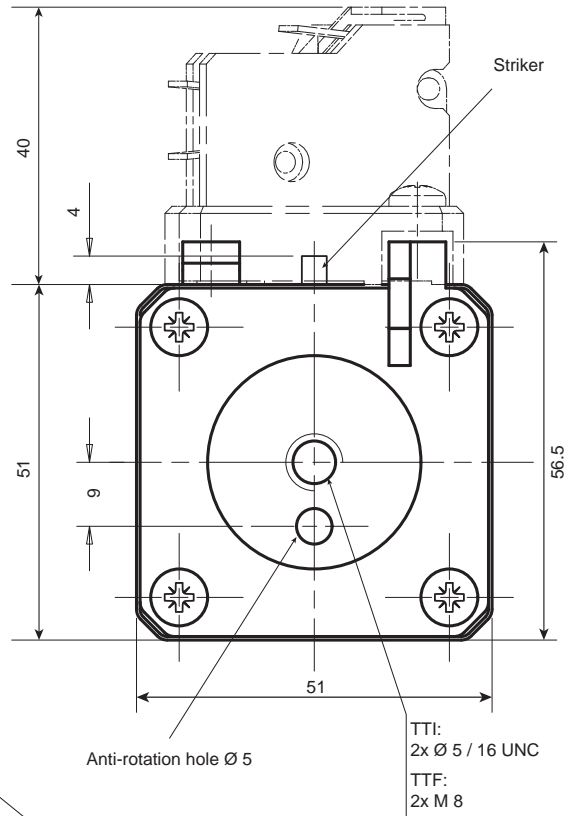
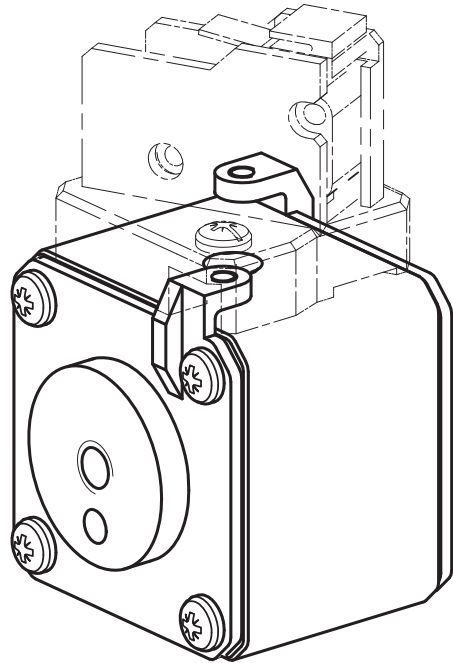
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DIMENSIONS

Size 31 type TTF & TTI



Dimensions in mm

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