

Protistor® size 30 aR

600 - 690VAC (IEC) / 700VAC (UL)

PRODUCT RANGE



PC30UD69V100TF

Size 30 type TTF M8 threaded terminals

Catalog number	Reference 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 In	Weight	Package
PC30UD69V50TF	S300373	690 V	700 V	50 A	0.116 kA ² s	0.68 kA ² s	170 kA	9 W	0.2463 kg	3
PC30UD69V63TF	M300000	690 V	700 V	63 A	0.2 kA ² s	1.2 kA ² s	170 kA	14 W	0.2463 kg	3
PC30UD69V80TF	S300051	690 V	700 V	80 A	0.33 kA ² s	1.9 kA ² s	170 kA	19 W	0.2463 kg	3
PC30UD69V100TF	T300052	690 V	700 V	100 A	0.47 kA ² s	2.7 kA ² s	170 kA	26 W	0.2463 kg	3
PC30UD69V125TF	V300053	690 V	700 V	125 A	0.85 kA ² s	4.9 kA ² s	170 kA	30 W	0.2696 kg	3
PC30UD69V160TF	W300054	690 V	700 V	160 A	1.6 kA ² s	9.2 kA ² s	170 kA	37 W	0.2696 kg	3
PC30UD69V200TF	X300055	690 V	700 V	200 A	3 kA ² s	16.7 kA ² s	170 kA	42 W	0.2696 kg	3
PC30UD69V250TF	Y300056	690 V	700 V	250 A	5.8 kA ² s	32.4 kA ² s	170 kA	48 W	0.2696 kg	3
PC30UD69V315TF	Z300057	690 V	700 V	315 A	12 kA ² s	67 kA ² s	170 kA	53 W	0.2463 kg	3
PC30UD69V350TF	A300058	690 V	700 V	350 A	15.5 kA ² s	86 kA ² s	170 kA	57 W	0.2463 kg	3
PC30UD69V400TF	B300059	690 V	700 V	400 A	23 kA ² s	130 kA ² s	170 kA	60 W	0.2696 kg	3
PC30UD69V450TF	V300398	690 V	700 V	450 A	26 kA ² s	165 kA ² s	170 kA	80 W	0.2666 kg	3
PC30UD69V500TF	W300399	690 V	700 V	500 A	41 kA ² s	264 kA ² s	170 kA	80 W	0.2463 kg	3
PC30UD69V550TF	X300400	690 V	700 V	550 A	52 kA ² s	330 kA ² s	170 kA	80 W	0.2463 kg	3
PC30UD60V630TF	L301770	600 V	650 V	630 A	84 kA ² s	450 kA ² s	200 kA	85 W	0.2463 kg	3

Size 30 type TTI 5/16"-18 unified coarse threaded terminals

Catalog number	Reference 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 In	Weight	Package
A070UD30TTI50	V302744	690 V	700 V	50 A	0.116 kA ² s	0.68 kA ² s	170 kA	9 W	0.255 kg	3
A070UD30TTI63	A301967	690 V	700 V	63 A	0.2 kA ² s	1.2 kA ² s	170 kA	14 W	0.255 kg	3
A070UD30TTI80	V301962	690 V	700 V	80 A	0.33 kA ² s	1.9 kA ² s	170 kA	19 W	0.255 kg	3
A070UD30TTI100	W300744	690 V	700 V	100 A	0.47 kA ² s	2.7 kA ² s	170 kA	26 W	0.255 kg	3
A070UD30TTI125	G300708	690 V	700 V	125 A	0.85 kA ² s	4.9 kA ² s	170 kA	30 W	0.255 kg	3
A070UD30TTI160	N300576	690 V	700 V	160 A	1.6 kA ² s	9.2 kA ² s	170 kA	37 W	0.255 kg	3
A070UD30TTI200	P300577	690 V	700 V	200 A	3 kA ² s	16.7 kA ² s	170 kA	42 W	0.255 kg	3
A070UD30TTI250	Q300578	690 V	700 V	250 A	5.8 kA ² s	32.4 kA ² s	170 kA	48 W	0.255 kg	3
A070UD30TTI315	R300579	690 V	700 V	315 A	12 kA ² s	67 kA ² s	170 kA	53 W	0.255 kg	3
A070UD30TTI350	S300580	690 V	700 V	350 A	15.5 kA ² s	86 kA ² s	170 kA	57 W	0.255 kg	3
A070UD30TTI400	T300581	690 V	700 V	400 A	23 kA ² s	130 kA ² s	170 kA	60 W	0.255 kg	3
A070UD30TTI450	V300582	690 V	700 V	450 A	26 kA ² s	165 kA ² s	170 kA	80 W	0.255 kg	3
A070UD30TTI500	W300583	690 V	700 V	500 A	41 kA ² s	264 kA ² s	170 kA	80 W	0.255 kg	3
A070UD30TTI550	X300584	690 V	700 V	550 A	52 kA ² s	330 kA ² s	170 kA	80 W	0.255 kg	3
A065UD30TTI630	A302703	600 V	650 V	630 A	84 kA ² s	450 kA ² s	200 kA	85 W	0.255 kg	3

MERSEN reserves the right to change, update or correct, without notice, any information contained in this datasheet.

Protistor® size 31 aR

690VAC (IEC) / 700VAC (UL)

PRODUCT RANGE



PC31UD69V800A

Size 31 type DIN80 blades

Catalog number	Reference 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	Weight	Package
PC31UD69V160A	M300322	690 V	700 V	160 A	1300 A ² s	7700 A ² s	170 kA	35 W	0.3866 kg	3
PC31UD69V200A	Y300010	690 V	700 V	200 A	2600 A ² s	15000 A ² s	170 kA	45 W	0.3866 kg	3
PC31UD69V250A	Z300011	690 V	700 V	250 A	4700 A ² s	28000 A ² s	170 kA	52 W	0.3866 kg	3
PC31UD69V315A	A300012	690 V	700 V	315 A	7500 A ² s	44000 A ² s	170 kA	65 W	0.3866 kg	3
PC31UD69V350A	Q300049	690 V	700 V	350 A	10300 A ² s	61000 A ² s	170 kA	67 W	0.3866 kg	3
PC31UD69V400A	B300013	690 V	700 V	400 A	19000 A ² s	110000 A ² s	170 kA	68 W	0.3866 kg	3
PC31UD69V450A	C300014	690 V	700 V	450 A	26500 A ² s	155000 A ² s	170 kA	70 W	0.3866 kg	3
PC31UD69V500A	D300015	690 V	700 V	500 A	37000 A ² s	215000 A ² s	170 kA	72 W	0.3866 kg	3
PC31UD69V550A	E300016	690 V	700 V	550 A	52000 A ² s	310000 A ² s	170 kA	75 W	0.3866 kg	3
PC31UD69V630A	F300017	690 V	700 V	630 A	75000 A ² s	430000 A ² s	170 kA	85 W	0.3866 kg	3
PC31UD69V700A	G300018	690 V	700 V	700 A	95000 A ² s	540000 A ² s	170 kA	95 W	0.3866 kg	3
PC31UD69V800A	D300406	690 V	700 V	800 A	140000 A ² s	880000 A ² s	170 kA	120 W	0.3866 kg	3

Size 31 type DIN110 blades

Catalog number	Reference 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	Weight	Package
PC31UD69V200D1A	H300019	690 V	700 V	200 A	2600 A ² s	15000 A ² s	170 kA	45 W	0.4143 kg	3
PC31UD69V250D1A	J300020	690 V	700 V	250 A	4700 A ² s	28000 A ² s	170 kA	52 W	0.4143 kg	3
PC31UD69V315D1A	K300021	690 V	700 V	315 A	7500 A ² s	44000 A ² s	170 kA	65 W	0.4143 kg	3
PC31UD69V350D1A	P300048	690 V	700 V	350 A	10300 A ² s	61000 A ² s	170 kA	67 W	0.4143 kg	3
PC31UD69V400D1A	L300022	690 V	700 V	400 A	19000 A ² s	110000 A ² s	170 kA	68 W	0.4143 kg	3
PC31UD69V450D1A	M300023	690 V	700 V	450 A	26500 A ² s	155000 A ² s	170 kA	70 W	0.4143 kg	3
PC31UD69V500D1A	N300024	690 V	700 V	500 A	37000 A ² s	215000 A ² s	170 kA	72 W	0.4143 kg	3
PC31UD69V550D1A	P300025	690 V	700 V	550 A	52000 A ² s	310000 A ² s	170 kA	75 W	0.4143 kg	3
PC31UD69V630D1A	Q300026	690 V	700 V	630 A	75000 A ² s	430000 A ² s	170 kA	85 W	0.4143 kg	3
PC31UD69V700D1A	R300027	690 V	700 V	700 A	95000 A ² s	540000 A ² s	170 kA	95 W	0.4143 kg	3
PC31UD69V800D1A	H300709	690 V	700 V	800 A	140000 A ² s	880000 A ² s	170 kA	120 W	0.4143 kg	3

Size 31 type KI short slotted blades

Catalog number	Reference 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	Weight	Package
A070UD31KI160	F300385	690 V	700 V	160 A	1300 A ² s	7700 A ² s	170 kA	35 W	0.401 kg	3
A070UD31KI200	S300028	690 V	700 V	200 A	2600 A ² s	15000 A ² s	170 kA	45 W	0.401 kg	3
A070UD31KI250	T300029	690 V	700 V	250 A	4700 A ² s	28000 A ² s	170 kA	52 W	0.401 kg	3
A070UD31KI315	V300030	690 V	700 V	315 A	7500 A ² s	44000 A ² s	170 kA	65 W	0.401 kg	3
A070UD31KI350	R300050	690 V	700 V	350 A	10300 A ² s	61000 A ² s	170 kA	67 W	0.401 kg	3
A070UD31KI400	W300031	690 V	700 V	400 A	19000 A ² s	110000 A ² s	170 kA	68 W	0.401 kg	3
A070UD31KI450	X300032	690 V	700 V	450 A	26500 A ² s	155000 A ² s	170 kA	70 W	0.401 kg	3
A070UD31KI500	Y300033	690 V	700 V	500 A	37000 A ² s	215000 A ² s	170 kA	72 W	0.401 kg	3
A070UD31KI550	Z300034	690 V	700 V	550 A	52000 A ² s	310000 A ² s	170 kA	75 W	0.401 kg	3
A070UD31KI630	A300035	690 V	700 V	630 A	75000 A ² s	430000 A ² s	170 kA	85 W	0.401 kg	3
A070UD31KI700	B300036	690 V	700 V	700 A	95000 A ² s	540000 A ² s	170 kA	95 W	0.401 kg	3
A070UD31KI800	A301070	690 V	700 V	800 A	140000 A ² s	880000 A ² s	170 kA	120 W	0.401 kg	3

Protistor® size 32 aR

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

PRODUCT RANGE



A070UD-
32KI900

Size 32 type KI short slotted blades

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
A070UD32KI315	P302164	690 V	700 V	315 A	5.2 kA ² s	31.8 kA ² s	200 kA	71 W	3	0.55 kg
A070UD32KI350	Q302165	690 V	700 V	350 A	8.9 kA ² s	53.7 kA ² s	200 kA	74 W	3	0.55 kg
A070UD32KI400	Z300195	690 V	700 V	400 A	15 kA ² s	90 kA ² s	200 kA	75 W	3	0.55 kg
A070UD32KI450	A300196	690 V	700 V	450 A	22 kA ² s	130 kA ² s	200 kA	80 W	3	0.55 kg
A070UD32KI500	B300197	690 V	700 V	500 A	28 kA ² s	160 kA ² s	200 kA	90 W	3	0.55 kg
A070UD32KI550	C300198	690 V	700 V	550 A	37 kA ² s	215 kA ² s	200 kA	95 W	3	0.55 kg
A070UD32KI630	D300199	690 V	700 V	630 A	54 kA ² s	310 kA ² s	200 kA	105 W	3	0.55 kg
A070UD32KI700	E300200	690 V	700 V	700 A	76 kA ² s	440 kA ² s	200 kA	110 W	3	0.55 kg
A070UD32KI800	F300201	690 V	700 V	800 A	115 kA ² s	660 kA ² s	200 kA	120 W	3	0.55 kg
A070UD32KI900	G300202	690 V	700 V	900 A	170 kA ² s	990 kA ² s	200 kA	125 W	3	0.55 kg
A070UD32KI1000	H300203	690 V	700 V	1000 A	240 kA ² s	1380 kA ² s	200 kA	135 W	3	0.55 kg



A070UD32LI900

Size 32 type LI long slotted blades

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
A070UD32LI315	R302166	690 V	700 V	315 A	5.2 kA ² s	31.8 kA ² s	200 kA	71 W	3	0.57 kg
A070UD32LI350	S302167	690 V	700 V	350 A	8.9 kA ² s	53.7 kA ² s	200 kA	74 W	3	0.57 kg
A070UD32LI400	J300204	690 V	700 V	400 A	15 kA ² s	90 kA ² s	200 kA	75 W	3	0.57 kg
A070UD32LI450	K300205	690 V	700 V	450 A	22 kA ² s	130 kA ² s	200 kA	80 W	3	0.57 kg
A070UD32LI500	L300206	690 V	700 V	500 A	28 kA ² s	160 kA ² s	200 kA	90 W	3	0.57 kg
A070UD32LI550	M300207	690 V	700 V	550 A	37 kA ² s	215 kA ² s	200 kA	95 W	3	0.57 kg
A070UD32LI630	N300208	690 V	700 V	630 A	54 kA ² s	310 kA ² s	200 kA	105 W	3	0.57 kg
A070UD32LI700	P300209	690 V	700 V	700 A	76 kA ² s	440 kA ² s	200 kA	110 W	3	0.57 kg
A070UD32LI800	Q300210	690 V	700 V	800 A	115 kA ² s	660 kA ² s	200 kA	120 W	3	0.57 kg
A070UD32LI900	R300211	690 V	700 V	900 A	170 kA ² s	990 kA ² s	200 kA	125 W	3	0.74 kg
A070UD32LI1000	S300212	690 V	700 V	1000 A	240 kA ² s	1380 kA ² s	200 kA	135 W	3	0.74 kg
A065UD32LI1100	B301071	600 V	650 V	1100 A	270 kA ² s	1450 kA ² s	200 kA	165 W	3	0.74 kg
A060UD32LI1250	C301072	550 V	600 V	1250 A	410 kA ² s	1950 kA ² s	200 kA	180 W	3	0.74 kg
A070UD32LI1400	D301073	500 V	550 V	1400 A	555 kA ² s	2300 kA ² s	200 kA	200 W	3	0.74 kg

Protistor® size 33 aR

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

PRODUCT RANGE

Size 33 type TTI 1/2"-13 unified coarse threaded terminals

Catalog number	Reference 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	Weight	Package
Standard Terminal										
A070UD33TTI450	X302171	690 V	700 V	450 A	13.45 kA ² s	87 kA ² s	200 kA	84 W	0.894 kg	3
A070UD33TTI500	X300446	690 V	700 V	500 A	19 kA ² s	110 kA ² s	200 kA	105 W	0.894 kg	3
A070UD33TTI550	Y300447	690 V	700 V	550 A	27 kA ² s	155 kA ² s	200 kA	105 W	900 g	3
A070UD33TTI630	Z300448	690 V	700 V	630 A	40 kA ² s	230 kA ² s	200 kA	110 W	0.894 kg	3
A070UD33TTI700	A300449	690 V	700 V	700 A	57 kA ² s	330 kA ² s	200 kA	115 W	0.894 kg	3
A070UD33TTI800	T300443	690 V	700 V	800 A	93 kA ² s	540 kA ² s	200 kA	120 W	0.894 kg	3
A070UD33TTI900	B300450	690 V	700 V	900 A	130 kA ² s	770 kA ² s	200 kA	120 W	0.894 kg	3
A070UD33TTI1000	C300451	690 V	700 V	1000 A	170 kA ² s	990 kA ² s	200 kA	135 W	0.894 kg	3
A070UD33TTI1100	D300452	690 V	700 V	1100 A	240 kA ² s	1390 kA ² s	200 kA	135 W	0.894 kg	3
Reinforced Terminal										
A070UD33TTI1250	E300453	690 V	700 V	1250 A	355 kA ² s	2053 kA ² s	200 kA	150 W	0.9333 kg	3
A070UD33TTI1400	F300454	690 V	700 V	1400 A	465 kA ² s	2700 kA ² s	200 kA	160 W	0.894 kg	3
A065UD33TTI1500	F302064	600 V	650 V	1500 A	470 kA ² s	2500 kA ² s	160 kA	210 W	935 g	3
A065UD33TTI1600	S301086	600 V	650 V	1600 A	555 kA ² s	2900 kA ² s	160 kA	210 W	0.9333 kg	3
A065UD33TTI1800	T301087	600 V	650 V	1800 A	720 kA ² s	3870 kA ² s	160 kA	225 W	0.9333 kg	3
A060UD33TTI2000	V301088	550 V	600 V	2000 A	950 kA ² s	4500 kA ² s	150 kA	250 W	0.9333 kg	3
A055UD33TTI2250	W301089	500 V	550 V	2250 A	1250 kA ² s	5160 kA ² s	130 kA	280 W	0.9333 kg	3
A050UD33TTI2500	Y300838	450 V	500 V	2500 A	1870 kA ² s	6540 kA ² s	110 kA	280 W	0.9333 kg	3