

FUSE-LINKS PN

PN fuse-links with blade contacts and with utilization category gG feature high breaking capacity, high current limiting capacity and low values of overvoltage during fuse-link action. These fuse-links are suitable for the use in fuse switch-disconnectors, fuse-rails and fuse-bases.

- Utilization category gG for protection of lines, cables and other equipment against overload and short circuit.
- Utilization category aM for protection of motors, overcurrent relays, contactors and similar devices only against short circuit.
- The fuse-links do not contain harmful substances according to RoHS Regulation (cadmium, lead and other).

Fuse-links with blade contacts PN

Size	I _n [A]	Utilization category gG			Utilization category aM			Weight [kg]	Packing [pcs]
		Type	Product code	Power losses [W]	Type	Product code	Power losses [W]		
000 (00C)	4	-	-	-	PN000 4A aM	07803	0.4	0.13	3
	6	PN000 6A gG	07008	1.09	PN000 6A aM	07143	0.5	0.13	3
	8	-	-	-	PN000 8A aM	07804	0.6	0.13	3
	10	PN000 10A gG	07010	1.42	PN000 10A aM	07144	0.6	0.13	3
	12	-	-	-	PN000 12A aM	07805	0.7	0.13	3
	16	PN000 16A gG	07011	2.16	PN000 16A aM	07145	0.9	0.13	3
	20	PN000 20A gG	07012	2.3	PN000 20A aM	07146	1.1	0.13	3
	25	PN000 25A gG	07013	2.88	PN000 25A aM	07147	1.4	0.13	3
	32	PN000 32A gG	07014	2.86	PN000 32A aM	07148	1.8	0.13	3
	35	PN000 35A gG	07015	3.22	-	-	-	0.13	3
	40	PN000 40A gG	07016	3.14	PN000 40A aM	07149	2.4	0.13	3
	50	PN000 50A gG	07017	3.98	PN000 50A aM	07150	3.1	0.13	3
	63	PN000 63A gG	07018	4.94	-	-	-	0.13	3
	80	PN000 80A gG	10419	6.09	-	-	-	0.13	3
	100	PN000 100A gG	10420	6.88	-	-	-	0.16	3
	125	PN000 125A gG	13365	7.13	-	-	-	0.16	3
160	PN000 160A gG ¹⁾	13366	9.0	-	-	-	0.16	3	
00	63	-	-	-	PN00 63A aM	07155	4.6	0.13	3
	80	-	-	-	PN00 80A aM	07157	6.8	0.13	3
	100	-	-	-	PN00 100A aM	07158	7.5	0.13	3
	125	PN00 125A gG	07058	7.93	PN00 125A aM	15195	7	0.16	3
	160	PN00 160A gG	07060	9.0	PN00 160A aM	15196	9	0.16	3
1	6	PN1 6A gG	10408	1.29	-	-	-	0.22	3
	10	PN1 10A gG	10409	1.72	-	-	-	0.22	3
	16	PN1 16A gG	07197	2.67	-	-	-	0.22	3
	20	PN1 20A gG	07201	2.86	-	-	-	0.22	3
	25	PN1 25A gG	07205	3.55	-	-	-	0.22	3
	32	PN1 32A gG	07209	3.32	-	-	-	0.22	3
	35	PN1 35A gG	07213	3.64	-	-	-	0.22	3
	40	PN1 40A gG	07217	4.2	PN1 40A aM	10496	3.3	0.22	3
	50	PN1 50A gG	07221	4.6	PN1 50A aM	10497	4.2	0.22	3
	63	PN1 63A gG	07225	6.1	PN1 63A aM	10498	5.4	0.22	3
	80	PN1 80A gG	07229	6.67	PN1 80A aM	10499	7.1	0.22	3
	100	PN1 100A gG	07233	7.82	PN1 100A aM	10500	7.4	0.22	3
	125	PN1 125A gG	07237	9.34	PN1 125A aM	10501	8.3	0.22	3
	160	PN1 160A gG	07241	11.07	PN1 160A aM	10502	11.7	0.22	3
	200	PN1 200A gG	07100	14.44	PN1 200A aM	07171	17	0.52	3
	224	PN1 224A gG	07104	16.1	-	-	-	0.52	3
250	PN1 250A gG	07107	17.8	PN1 250A aM	07173	19.5	0.52	3	
2	32	PN2 32A gG	34360	2.99	-	-	-	0.44	3
	35	PN2 35A gG	07245	3.31	-	-	-	0.44	3
	40	PN2 40A gG	07249	3.65	-	-	-	0.44	3
	50	PN2 50A gG	07253	4.25	-	-	-	0.44	3
	63	PN2 63A gG	07257	5.49	-	-	-	0.44	3
	80	PN2 80A gG	07261	6.81	-	-	-	0.44	3
	100	PN2 100A gG	07265	8.21	-	-	-	0.44	3
	125	PN2 125A gG	07269	10.63	PN2 125A aM	10503	8.6	0.44	3
	160	PN2 160A gG	07273	12.1	PN2 160A aM	10504	12.5	0.44	3
	200	PN2 200A gG	07277	14.14	PN2 200A aM	10505	16	0.44	3
	224	PN2 224A gG	07281	15.81	-	-	-	0.44	3
	250	PN2 250A gG	07285	17.35	PN2 250A aM	10506	18.5	0.44	3
	315	PN2 315A gG	07125	20.07	PN2 315A aM	07179	28	0.59	3
	350	PN2 350A gG	07128	21.53	-	-	-	0.59	3
	400	PN2 400A gG	07130	25.4	PN2 400A aM	07181	34	0.59	3

¹⁾ U_n = 400 V a.c.



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Cd/Pb-free



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Size	I _n [A]	Utilization category gG			Utilization category aM			Weight [kg]	Packing [pcs]
		Type	Product code	Power losses [W]	Type	Product code	Power losses [W]		
3	80	PN3 80A gG	34398	7.34	-	-	-	0.61	3
	100	PN3 100A gG	07289	8.16	-	-	-	0.61	3
	125	PN3 125A gG	07293	10.59	-	-	-	0.61	3
	160	PN3 160A gG	07297	12.4	-	-	-	0.61	3
	200	PN3 200A gG	07301	14.56	-	-	-	0.61	3
	224	PN3 224A gG	07305	15.7	-	-	-	0.61	3
	250	PN3 250A gG	07309	17.2	-	-	-	0.61	3
	315	PN3 315A gG	07313	19.5	PN3 315A aM	10507	26.2	0.61	3
	350	PN3 350A gG	07317	21.6	-	-	-	0.61	3
	400	PN3 400A gG	07321	25.6	PN3 400A aM	10508	33.2	0.61	3
	500	PN3 500A gG	07137	31.85	PN3 500A aM	07185	40	1.08	3
4a	630	PN3 630A gG	07140	40.32	PN3 630A aM	07186	47	1.08	3
	630	PN4a 630A gG	34386	43.0	-	-	-	2.0	1
	800	PN4a 800A gG	34387	59.0	-	-	-	2.0	1
	1000	PN4a 1000A gG	34388	84.0	-	-	-	2.0	1
	1250	PN4a 1250A gG	34389	104.0	-	-	-	2.0	1
	1600	PN4a 1600A gG	34390	148.0	-	-	-	2.0	1

* Fuse-links PN4a are not manufactured in Cd/Pb free version

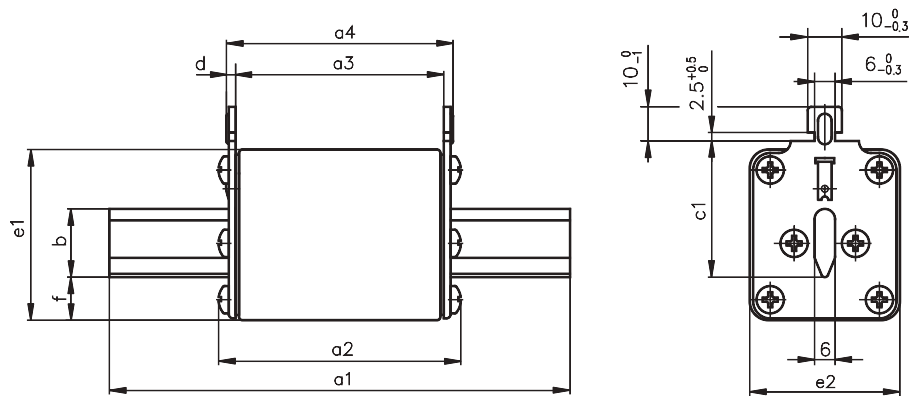
Parameters

Rated voltage	U _n	500 V a.c. (PN000 160A gG - 400 V a.c.) 250 V d.c.
Breaking capacity (rms)	I _b	120 kA/500 V a.c. 50 kA/250 V d.c.
Utilization category		gG aM
Discrimination		1 : 1.6
Standards		IEC 60269 DIN 43620, EN 60269

Approval marks



Dimensions



Size	I _n [A]	a1	a2	a3	a4	b (min)	c1	d	e1	e2	f
000	160	78.5±1.5	52±2	45±1.2	49±1.5	15	35±0.8	2±0.3	39.4±0.8	20.4±0.6	7+1
00	160	78.5±1.5	52±2	45±1.5	49±1.5	15	35±0.8	2±0.5	35±0.8	29±0.7	8+2
00*)	160	78.5±1.5	52±2	45±1.5	49±1.5	15	35±0.8	2+0.6	45±0.9	29±0.7	12+2
1 (01)	160	135±2.2	70±2	62±2	68±2.2	15	40±0.8	2.5±0.5	45±0.9	29±0.7	12+2
1	250	135±2	70.5±2	61±2.5	68±2	20	40±0.8	2.7±0.3	50±1	44±1	12+2
2 (02)	250	150±2	70.5±2	61±1.5	68±2	20	48±0.8	2.7±0.3	50±1	44±1	12+2

*) for PN00 125A and 160A aM, gG

FUSE-LINKS PN

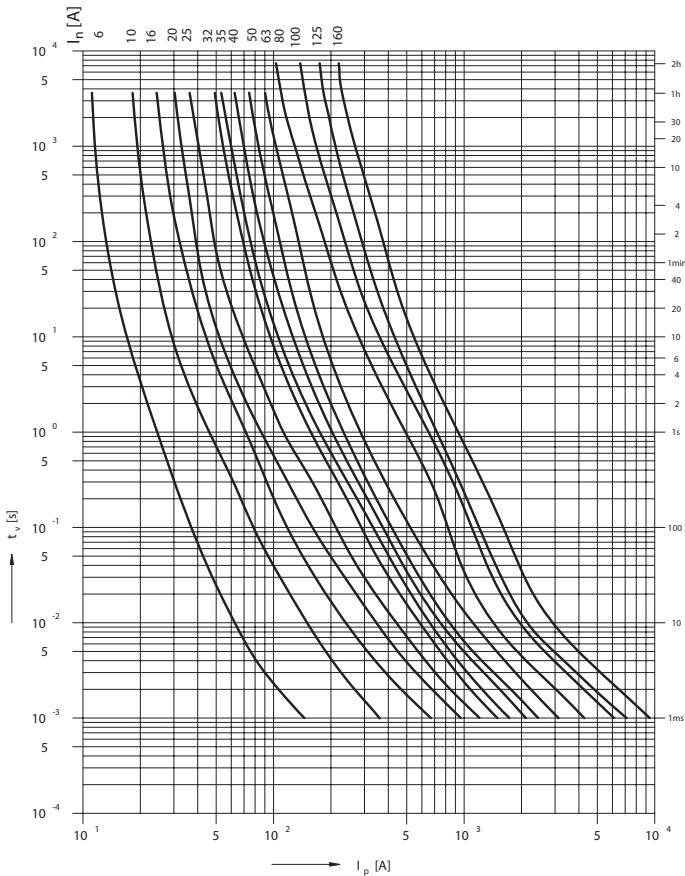
Cd/Pb-free

Dimensions

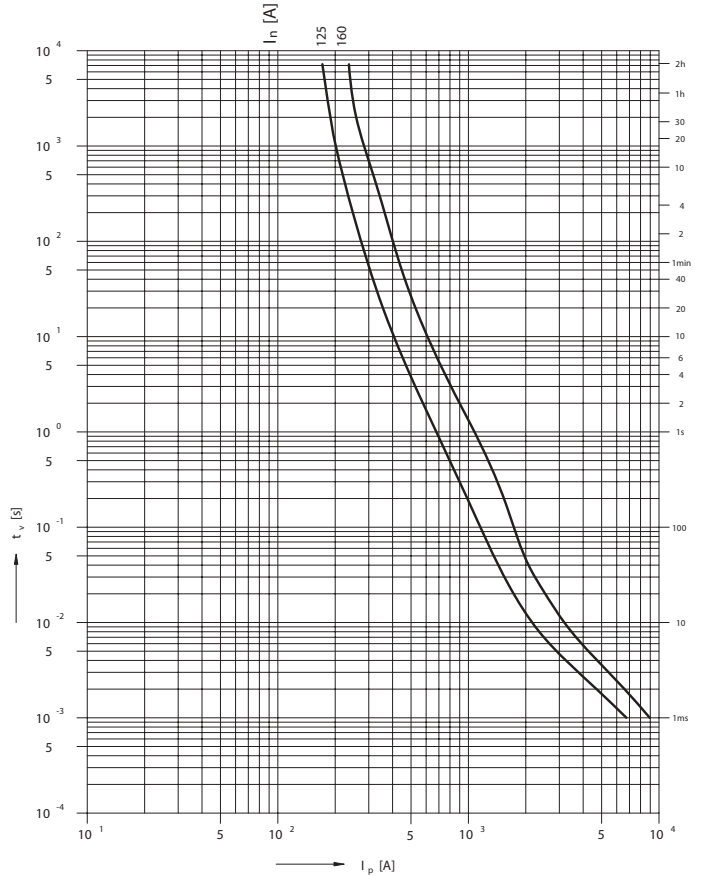
Size	I_n [A]	a1	a2	a3	a4	b (min)	c1	d	e1	e2	f
2	400	150±2	70.5+2	61±1.5	68±2	25	48±0.8	2.7±0.3	58±1.3	50±1.3	12+2
3 (03)	400	150±2	70.5+2	61±1.5	68±2	25	60±0.8	2.7±0.3	58±1.3	50±1.3	12+2
3	630	150±2	73.5+1.5	61±2.5	68±2	32	60±0.8	3.5±0.2	73±1.5	71±1.5	15+2
4a	1000	200±3	86.5	84±3	90±3	50	85±2	3	102	87	30
4a	1600	200±3	97	84±3	90±3	50	85±2	3	110	95	30

Characteristics

Prearcing time/current characteristic
PN000 6 ÷ 160A gG



Prearcing time/current characteristic
PN00 125 and 160A gG

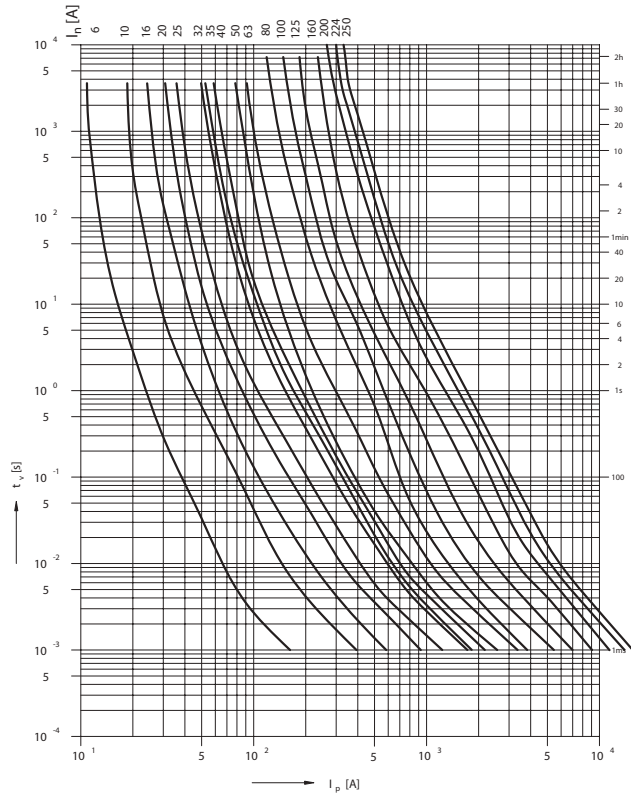


FUSE-LINKS PN

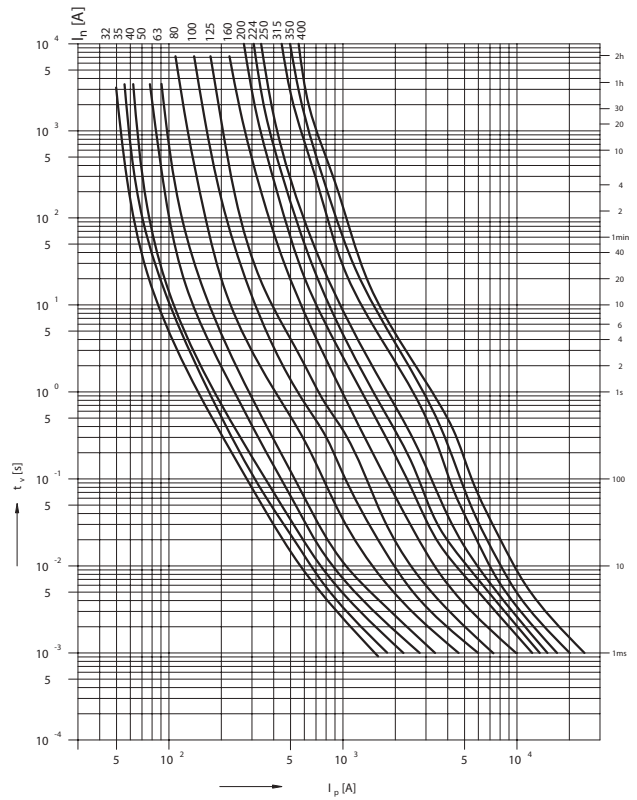
Cd/Pb-free

Characteristics

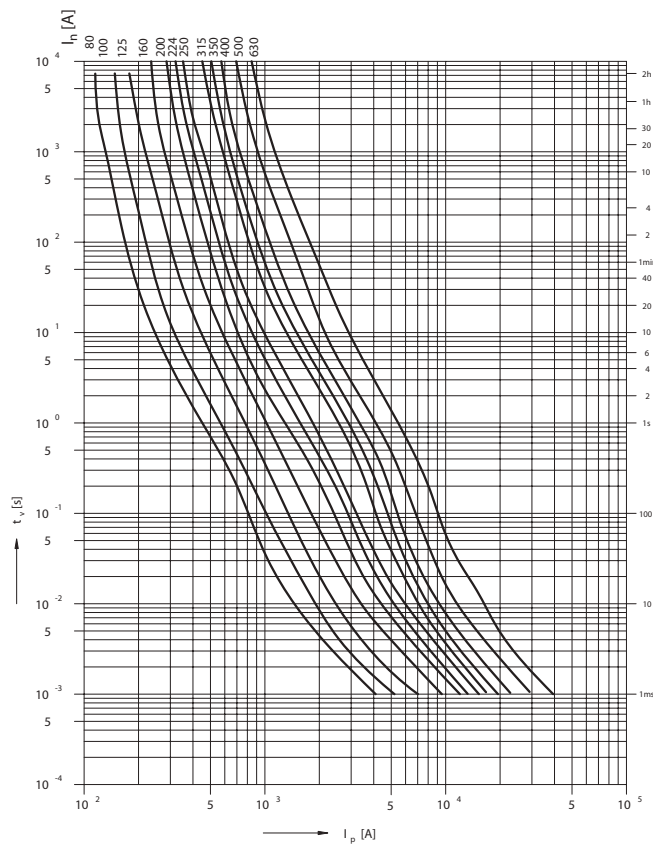
Prearcing time/current characteristic
PN1 gG



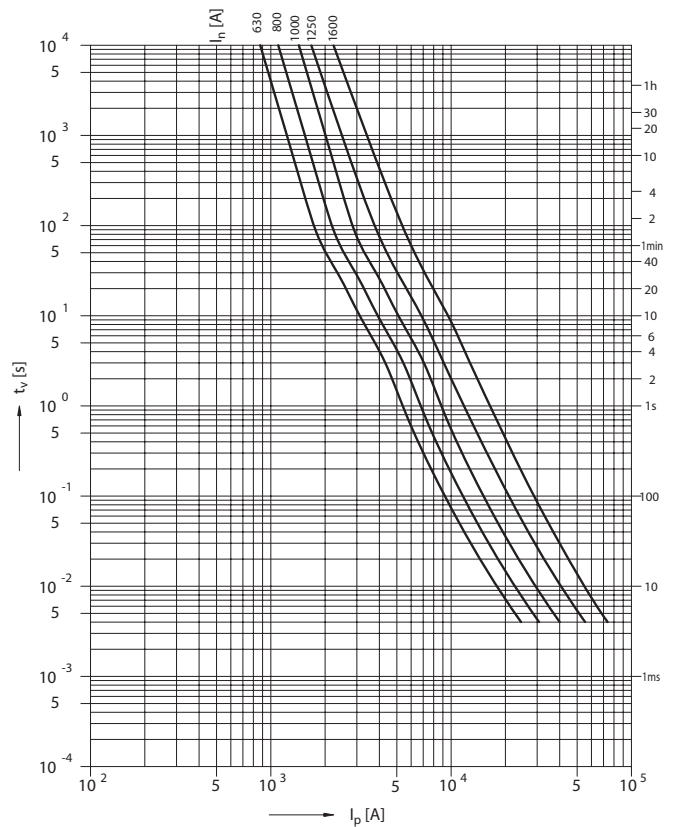
Prearcing time/current characteristic
PN2 gG



Prearcing time/current characteristic
PN3 gG



Prearcing time/current characteristic
PN4a gG

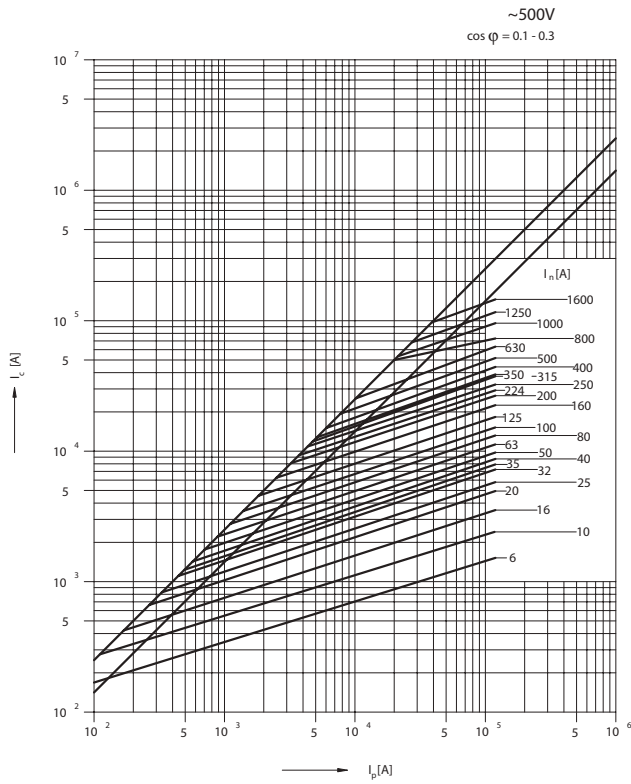


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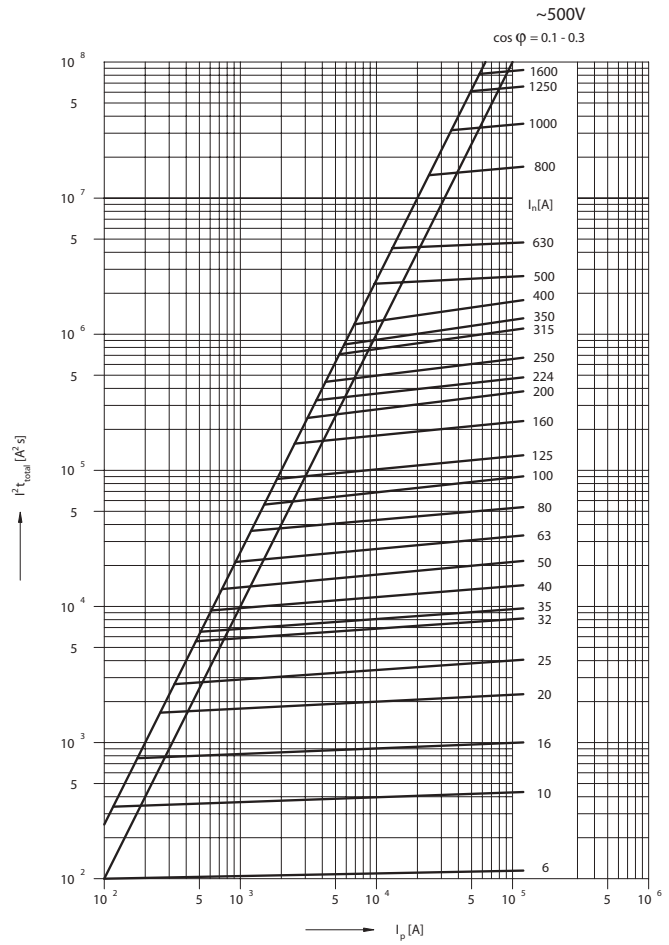
Cd/Pb-free

Characteristics

Cut-off characteristic
PN000 ÷ 4a gG



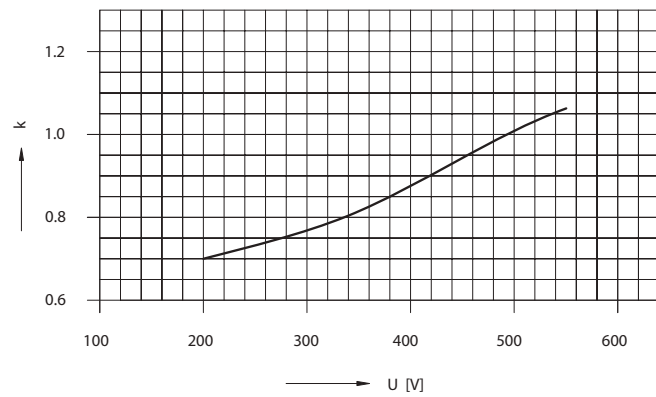
I²t characteristic
PN000 ÷ 4a gG



Correction factor „k“ of I²t dependence on operating voltage

$$(I^2t_{total})_{f(U)} = k \times I^2t_{total}$$

PN000 ÷ 4a gG

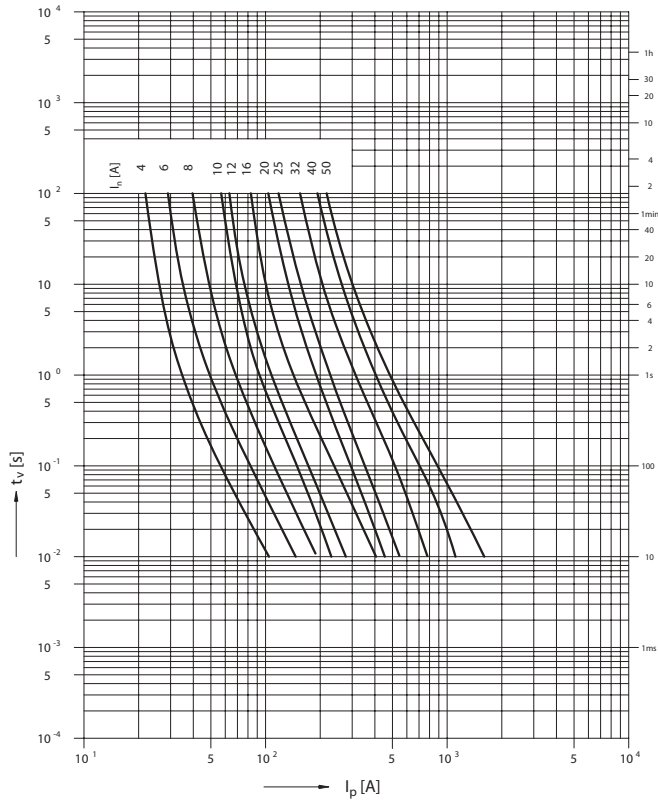


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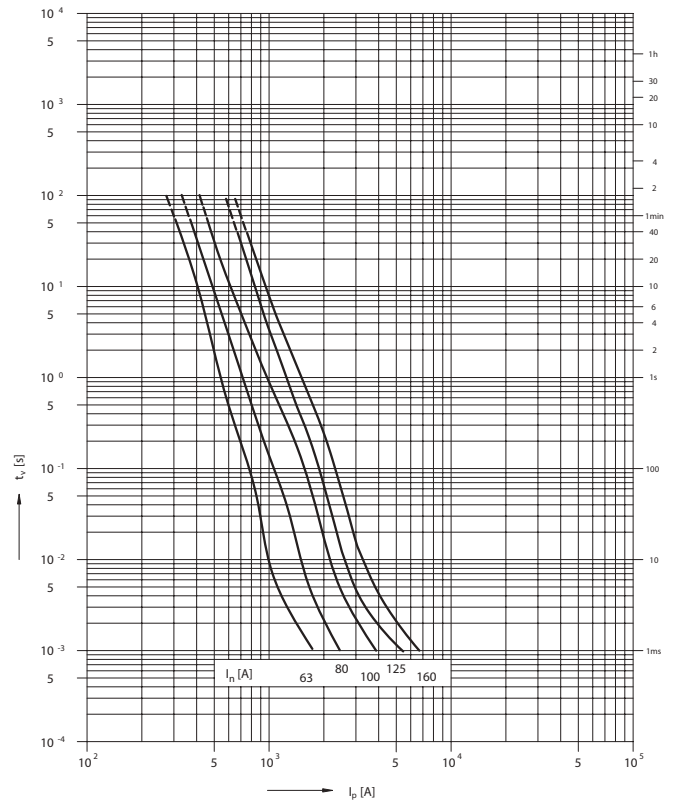
Cd/Pb-free

Characteristics

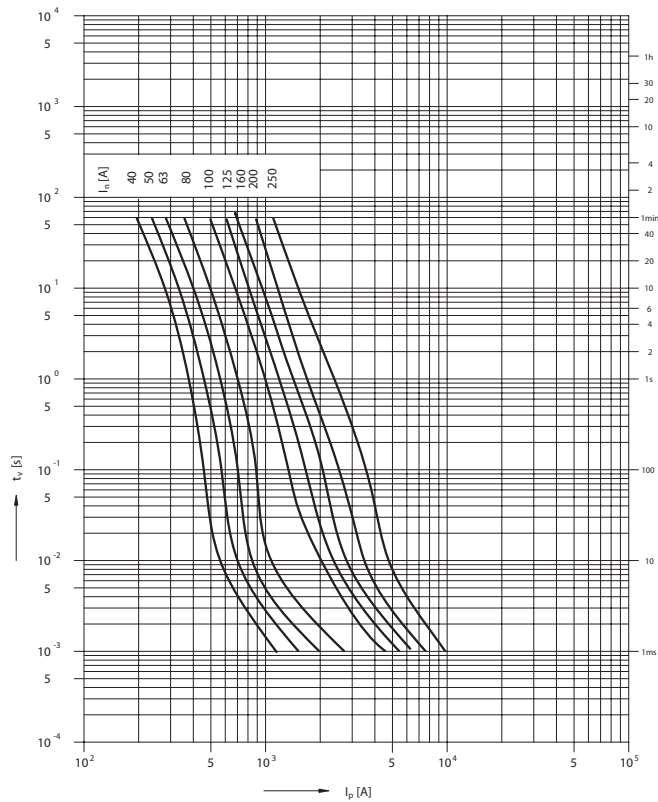
Prearcing time/current characteristic
PN000 aM



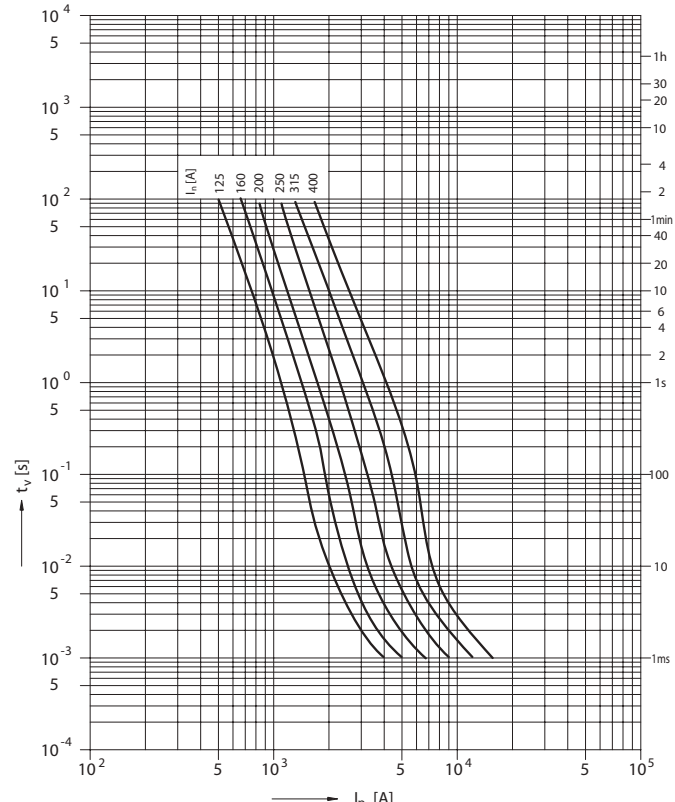
Prearcing time/current characteristic
PN00 aM



Prearcing time/current characteristic
PN1 aM



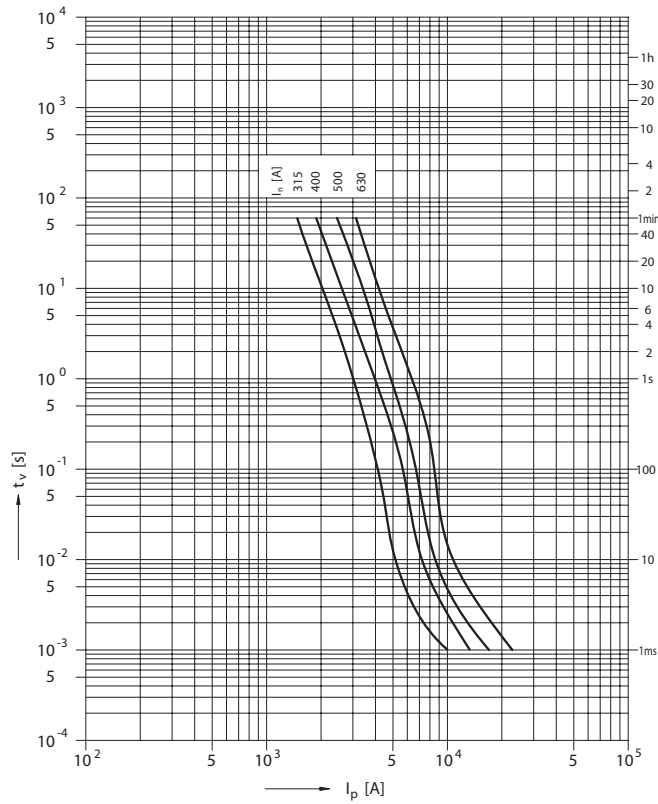
Prearcing time/current characteristic
PN2 aM



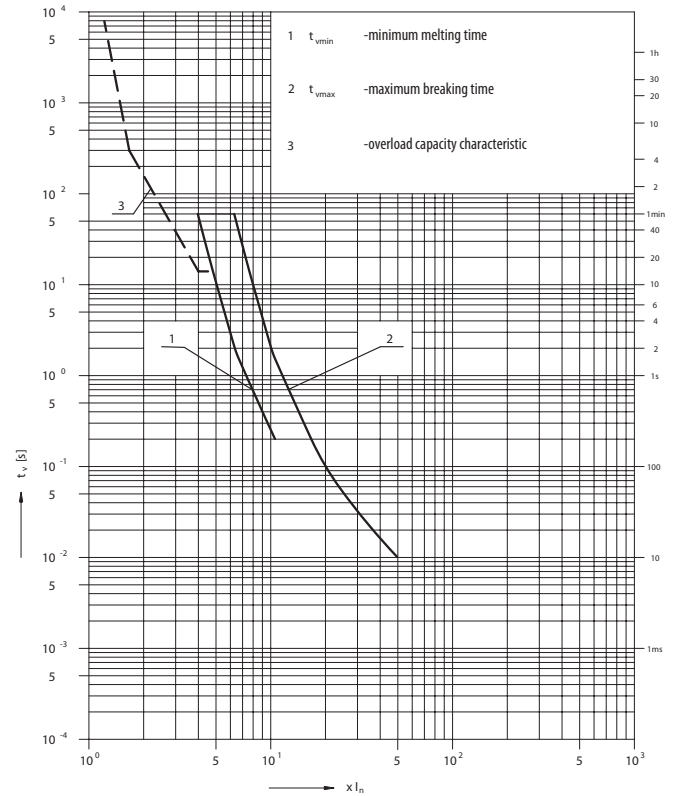
FUSE-LINKS - PN

Characteristics

Prearing time/current characteristic
PN3 aM

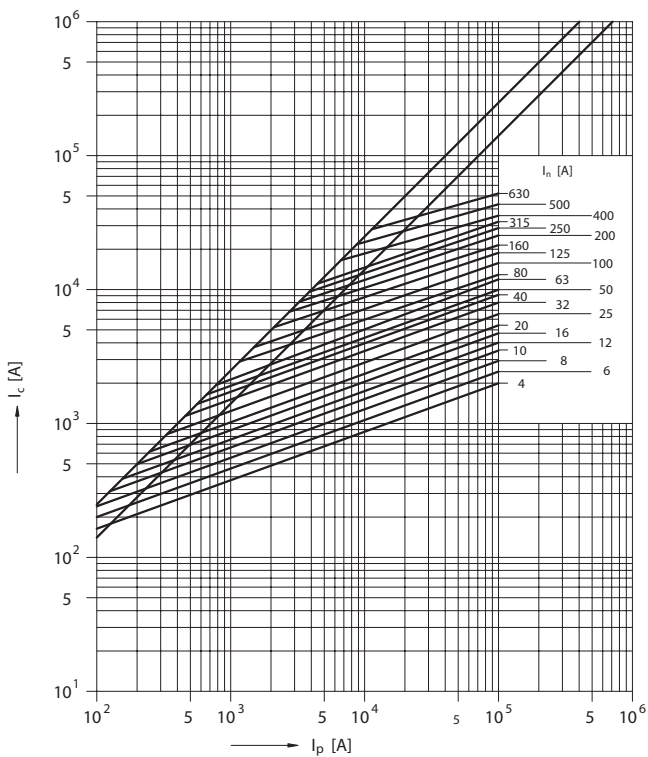


Time/current ranges
PN000 ÷ 3 aM



Cut-off characteristic
PN000 ÷ 3 aM

~ 500 V
 $\cos\phi = 0.1-0.3$



I^2t characteristic
PN000 ÷ 3 aM

~ 500 V
 $\cos\phi = 0.1-0.3$

