

# General Purpose IEC Fuses



## NH Fuses (Plain Blades) gG 400V, 500V, 690V

### NH Fuse System



DIN 57 636/VDE 0636 Parts 1, 10, 21, 22, 201

IEC 60269-2

DIN 43 620 Parts 1 to 4 (Standard dimensions)

The use category is identified by two letters, the first indicating the operational class and the second the object to be protected. The Ferraz shawmut range includes fuse-links to DIN VDE 0636 standard for the following uses categories:

- gG: general purpose cable and line protection
- aM: Partial purpose, motor circuit protection
- gTr: general purpose, transformer protection
- gR: general purpose, fast acting
- aR: partial purpose, fast acting

### Classification

The NH system is classed among plug-in fuse systems and is comprised of:

- fuse-base, (possibly including terminal covers and phase barriers)
- fuse-link with blade contact
- fuse-link replacement device (LV HRC fuse puller)

Since the design of this system cannot guarantee non-interchangeability of rated current, it must be handled by a qualified professional.

### Approval symbols



Germany



Austria



Switzerland



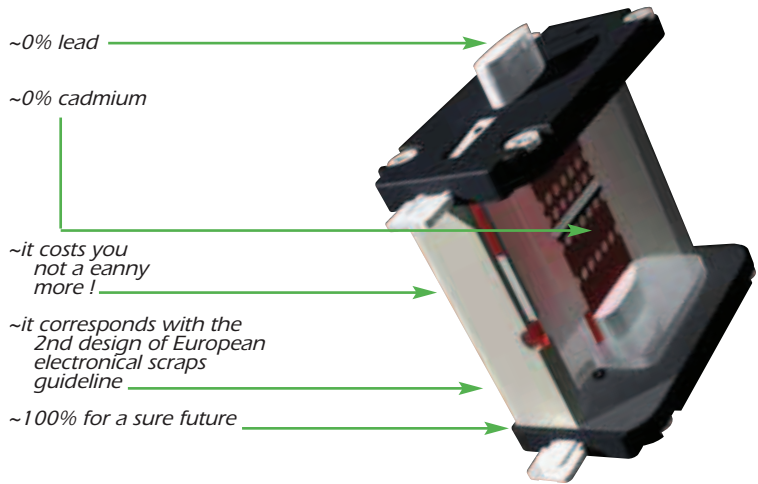
Netherlands



Beige melted



Red non melted



# General Purpose IEC Fuses



## NH Fuses (Plain Blades) aM 500V, 690V aM 500V Size 000 to 4a



### NH-fuses, 500VAC aM

with non-isolated gripping lugs, double indicator, contact blades, complying with DIN VDE 0636 Part 201 and IEC 60269-2-1

Cd/Pb-free

Size	Rated current I <sub>N</sub> (A)	Power dissipation (W)	FS ref.-no.	Previous ref.	Micro- switch <sup>(1)</sup>	weight kg/pce	pack.	Catalog Number
000	2	0,1	K232493	2B613.	Y	0,13	3	NH000AM50V2
000	4	0,2	L232494	2B619.	Y	0,13	3	NH000AM50V4
000	6	0,3	M232495	2B623.	Y	0,13	3	NH000AM50V6
000	10	0,5	N232496	2B631.	Y	0,13	3	NH000AM50V10
000	16	0,7	P232497	2B635.	Y	0,13	3	NH000AM50V16
000	20	0,9	Q232498	2B637.	Y	0,13	3	NH000AM50V20
000	25	1,2	R232499	2B639.	Y	0,13	3	NH000AM50V25
000	32	1,5	S232500	2B643.	Y	0,13	3	NH000AM50V32
000	35	1,6	T232501	2B645.	Y	0,13	3	NH000AM50V35
000	40	1,8	V232502	2B647.	Y	0,13	3	NH000AM50V40
000	50	2,3	W232503	2B651.	Y	0,13	3	NH000AM50V50
000	63	2,9	X232504	2B655.	Y	0,13	3	NH000AM50V63
000	80	3,6	C227863	2B659.	Y	0,13	3	NH000AM50V80
00	100	5,8	Y232505	2B763.	Y	0,20	3	NH00AM50V100
00	125	6,4	Z232506	2B765.	Y	0,20	3	NH00AM50V125
00	160	7,9	J227869	2B769.	Y	0,20	3	NH00AM50V160
0	100	6,0	A232507	2B063.	Y	0,26	3	NH0AM50V100
0	125	7,9	B232508	2B065.	Y	0,26	3	NH0AM50V125
0	160	10,5	C232509	2B069.	Y	0,26	3	NH0AM50V160
0	200	11,8	A227884	2B071.	Y	0,26	3	NH0AM50V200
1	100	5,8	D232510	2B163.	Y	0,42	3	NH1AM50V100
1	125	7,5	E232511	2B165.	Y	0,42	3	NH1AM50V125
1	160	10,4	F232512	2B169.	Y	0,42	3	NH1AM50V160
1	200	14,2	G232513	2B171.	Y	0,42	3	NH1AM50V200
1	224	15,8	H232514	2B173.	Y	0,42	3	NH1AM50V224
1	250	17,5	J232515	2B175.	Y	0,42	3	NH1AM50V250
1	315	22,1	K227962	2B179.	Y	0,42	3	NH1AM50V315
2	250	16,8	K232516	2B275.	Y	0,64	3	NH2AM50V250
2	315	23,1	L232517	2B279.	Y	0,64	3	NH2AM50V315
2	355	26,4	M232518	2B281.	Y	0,64	3	NH2AM50V355
2	400	29,7	N232519	2B283.	Y	0,64	3	NH2AM50V400
2	500	34,4	C227978	2B287.	Y	0,64	3	NH2AM50V500
3	315	21,0	P232520	2B379.	Y	1,05	1	NH3AM50V315
3	355	23,3	Q232521	2B381.	Y	1,05	1	NH3AM50V355
3	400	29,1	R232522	2B383.	Y	1,05	1	NH3AM50V400
3	425	29,1	S232523	2B385.	Y	1,05	1	NH3AM50V425
3	450	34,0	T232524	2B386.	Y	1,05	1	NH3AM50V450
3	500	42,0	V232525	2B387.	Y	1,05	1	NH3AM50V500
3	630	42,0	M227987	2B389.	Y	1,05	1	NH3AM50V630

#### with screw contact

4	400	26,0	*) P233555	8004.400505	N	2,18	1	NH4AM50V400-8
4	500	38,0	*) Q233556	8004.500505	N	2,18	1	NH4AM50V500-8
4	630	50,0	*) E222115	8004.630505	N	2,18	1	NH4AM50V630-8
4	800	65,0	*) V222865	8004.800505	N	2,18	1	NH4AM50V800-8
4	1000	80,0	*) S219137	8004.100505	N	2,18	1	NH4AM50V1000-8
4	1250	110,0	*) V219668	8004.125505	N	2,21	1	NH4AM50V1250-8

#### contact blades for NH-bottom size 4a with swivel unit

4a	500	38,0	*) R233557	8014.500505	N	2,00	1	NH4AAM50V500-8
4a	630	50,0	*) S233558	8014.630505	N	2,00	1	NH4AAM50V630-8
4a	800	65,0	*) T233559	8014.800505	N	2,00	1	NH4AAM50V800-8
4a	1000	80,0	*) V233560	8014.100505	N	2,00	1	NH4AAM50V1000-8
4a	1250	110,0	*) W233561	8014.125505	N	2,00	1	NH4AAM50V1250-8

\*) with indicator on top

(1) Suitable for Microswitch describes page 106

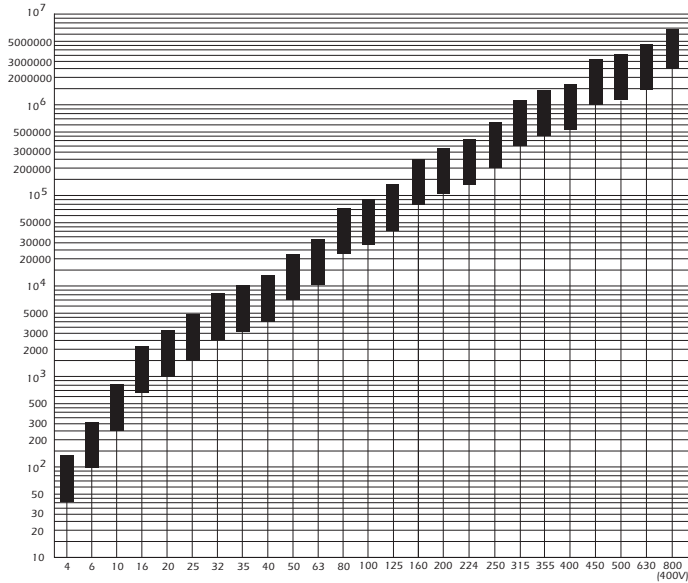
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NH Fuses (Plain Blades)  
aM 500V, 690V  
aM Curves Set

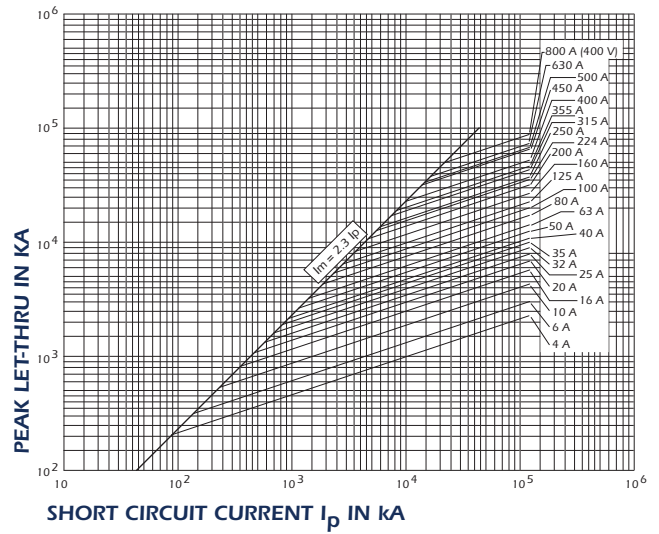


NH-fuses, 500VAC aM

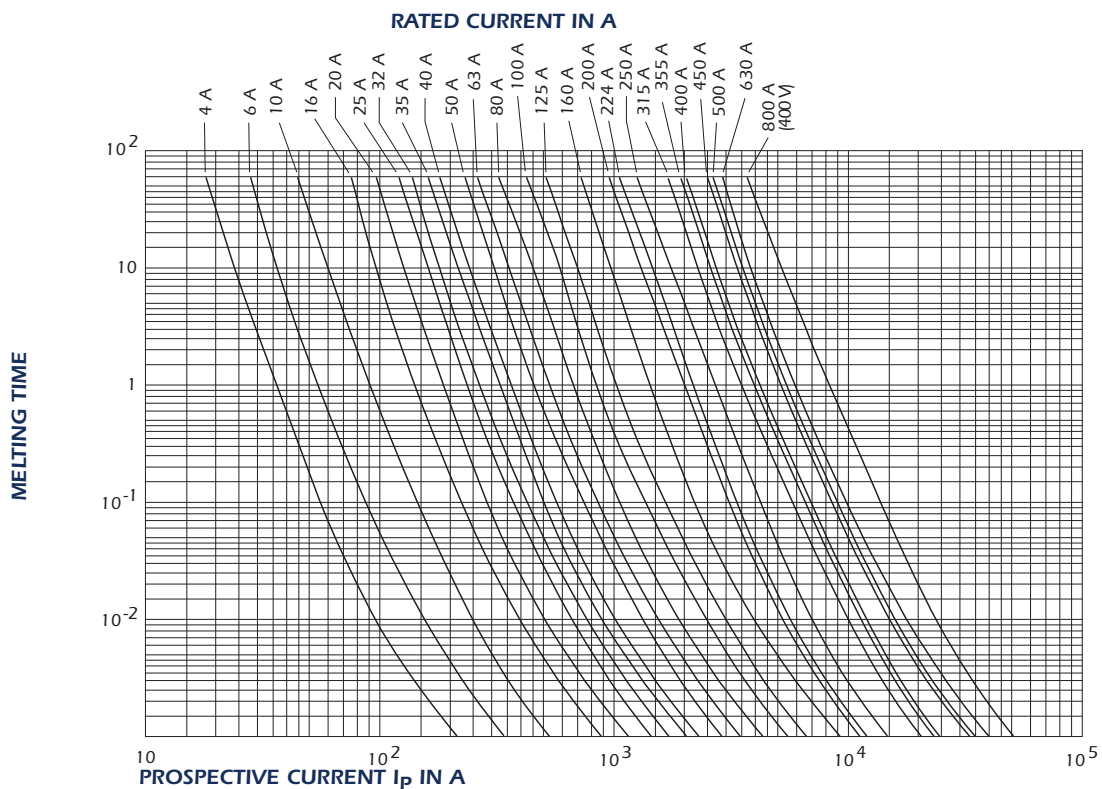
## Total Clearing I<sup>2</sup>t



## Current Limitation Curves



## Time VS. Current Characteristics



# General Purpose IEC Fuses



## NH Fuses (Plain Blades) gG 400V, 500V, 690V

### NH Fuse System



DIN 57 636/VDE 0636 Parts 1, 10, 21, 22, 201

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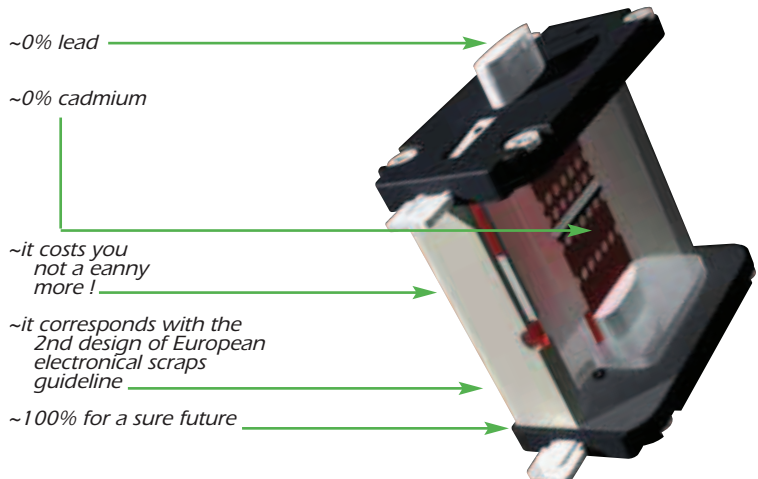
Netherlands



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Red non melted



# General Purpose IEC Fuses

## NH Fuses (Plain Blades) aM 500V, 690V aM 690V Size 000 to 4a



Cd/Pb-free

with non-isolated gripping lugs, double indicator, contact blades, complying with DIN VDE 0636 Part 201 and IEC 60269-2-1

NH-fuses, 690VAC aM

Size	Rated current $I_N$ (A)	Power dissipation (W)	FS ref.-no.	Previous ref.	Micro-switch <sup>(1)</sup>	weight kg/pce	pack.	Catalog Number
000	2	0,1	P227851	2C613.	Y	0,13	3	NH000AM69V2
000	4	0,2	Q227852	2C619.	Y	0,13	3	NH000AM69V4
000	6	0,3	R227853	2C623.	Y	0,13	3	NH000AM69V6
000	10	0,5	S227854	2C631.	Y	0,13	3	NH000AM69V10
000	16	0,7	T227855	2C635.	Y	0,13	3	NH000AM69V16
000	20	0,9	V227856	2C637.	Y	0,13	3	NH000AM69V20
000	25	1,2	W227857	2C639.	Y	0,13	3	NH000AM69V25
000	32	1,5	X227858	2C643.	Y	0,13	3	NH000AM69V32
000	35	1,6	Y227859	2C645.	Y	0,13	3	NH000AM69V35
000	40	1,8	Z227860	2C647.	Y	0,13	3	NH000AM69V40
000	50	2,3	A227861	2C651.	Y	0,13	3	NH000AM69V50
000	63	2,9	B227862	2C655.	Y	0,13	3	NH000AM69V63
00	50	2,3	D227864	2C751.	Y	0,20	3	NH00AM69V50
00	63	2,9	E227865	2C755.	Y	0,20	3	NH00AM69V63
00	80	3,6	F227866	2C759.	Y	0,20	3	NH00AM69V80
00	100	5,2	G227867	2C763.	Y	0,20	3	NH00AM69V100
00	125	6,4	H227868	2C765.	Y	0,20	3	NH00AM69V125
0	6	0,3	K227870	2C023.	Y	0,26	3	NH0AM69V6
0	10	0,5	L227871	2C031.	Y	0,26	3	NH0AM69V10
0	16	0,8	M227872	2C035.	Y	0,26	3	NH0AM69V16
0	20	1,0	N227873	2C037.	Y	0,26	3	NH0AM69V20
0	25	1,3	P227874	2C039.	Y	0,26	3	NH0AM69V25
0	32	1,6	Q227875	2C043.	Y	0,26	3	NH0AM69V32
0	35	1,7	R227876	2C045.	Y	0,26	3	NH0AM69V35
0	40	2,0	S227877	2C047.	Y	0,26	3	NH0AM69V40
0	50	2,8	T227878	2C051.	Y	0,26	3	NH0AM69V50
0	63	3,4	V227879	2C055.	Y	0,26	3	NH0AM69V63
0	80	4,9	W227880	2C059.	Y	0,26	3	NH0AM69V80
0	100	6,0	X227881	2C063.	Y	0,26	3	NH0AM69V100
0	125	7,9	Y227882	2C065.	Y	0,26	3	NH0AM69V125
0	160	10,5	Z227883	2C069.	Y	0,26	3	NH0AM69V160
1	16	1,0	B227885	2C135.	Y	0,43	3	NH1AM69V16
1	20	1,2	C227886	2C137.	Y	0,43	3	NH1AM69V20
1	25	1,4	D227887	2C139.	Y	0,43	3	NH1AM69V25
1	32	1,9	E227888	2C143.	Y	0,43	3	NH1AM69V32
1	35	2,0	F227889	2C145.	Y	0,43	3	NH1AM69V35
1	40	2,3	G227890	2C147.	Y	0,43	3	NH1AM69V40
1	50	2,9	H227891	2C151.	Y	0,43	3	NH1AM69V50
1	63	3,6	J227892	2C155.	Y	0,43	3	NH1AM69V63
1	80	4,6	K227893	2C159.	Y	0,43	3	NH1AM69V80
1	100	5,8	L227894	2C163.	Y	0,43	3	NH1AM69V100
1	125	7,5	M227895	2C165.	Y	0,43	3	NH1AM69V125
1	160	10,4	N227896	2C169.	Y	0,43	3	NH1AM69V160
1	200	14,2	P227897	2C171.	Y	0,43	3	NH1AM69V200
1	224	15,8	Q227898	2C173.	Y	0,43	3	NH1AM69V224
1	250	17,5	R227899	2C175.	Y	0,43	3	NH1AM69V250

(1) Suitable for Microswitch describes page 106

# General Purpose IEC Fuses



## NH Fuses (Plain Blades) aM 500V, 690V aM 690V Size 000 to 4a



Cd/Pb-free

### NH-fuses, 690VAC aM

with non-isolated gripping lugs, double indicator, contact blades, complying with DIN VDE 0636 Part 201 and IEC 60269-2-1

Size	Rated current $I_N$ (A)	Power dissipation (W)	FS ref.-no.	Previous ref.	Micro-switch <sup>(1)</sup>	weight kg/pce	pack.	Catalog Number
2	35	1,8	L227963	2C245.	Y	0,64	3	NH2AM69V35
2	40	2,1	M227964	2C247.	Y	0,64	3	NH2AM69V40
2	50	2,7	N227965	2C251.	Y	0,64	3	NH2AM69V50
2	63	3,4	P227966	2C255.	Y	0,64	3	NH2AM69V63
2	80	4,4	Q227967	2C259.	Y	0,64	3	NH2AM69V80
2	100	5,5	R227968	2C263.	Y	0,64	3	NH2AM69V100
2	125	6,4	S227969	2C265.	Y	0,64	3	NH2AM69V125
2	160	9,3	T227970	2C269.	Y	0,64	3	NH2AM69V160
2	200	11,3	V227971	2C271.	Y	0,64	3	NH2AM69V200
2	224	12,2	W227972	2C273.	Y	0,64	3	NH2AM69V224
2	250	16,8	X227973	2C275.	Y	0,64	3	NH2AM69V250
2	300	21,0	Y227974	2C277.	Y	0,64	3	NH2AM69V300
2	315	23,1	Z227975	2C279.	Y	0,64	3	NH2AM69V315
2	355	26,4	A227976	2C281.	Y	0,64	3	NH2AM69V355
2	400	29,7	B227977	2C283.	Y	0,64	3	NH2AM69V400
3	250	14,6	D227979	2C375.	Y	1,05	1	NH3AM69V250
3	300	21,0	E227980	2C377.	Y	1,05	1	NH3AM69V300
3	315	21,0	F227981	2C379.	Y	1,05	1	NH3AM69V315
3	355	23,3	G227982	2C381.	Y	1,05	1	NH3AM69V355
3	400	29,1	H227983	2C383.	Y	1,05	1	NH3AM69V400
3	425	29,1	J227984	2C385.	Y	1,05	1	NH3AM69V425
3	450	34,0	K227985	2C386.	Y	1,05	1	NH3AM69V450
3	500	42,0	L227986	2C387.	Y	1,05	1	NH3AM69V500
with screw contact								
4	400	26,0 *)	Q227990	8004.40056	N	2,00	1	NH4AM69V400-8
4	500	38,0 *)	R227991	8004.50056	N	2,00	1	NH4AM69V500-8
4	630	50,0 *)	S227992	8004.63056	N	1,75	1	NH4AM69V630-8
4	800	65,0 *)	T227993	8004.80056	N	1,75	1	NH4AM69V800-8
4	1000	80,0 *)	V227994	8004.10056	N	2,00	1	NH4AM69V1000-8
contact blades for NH-bottom size 4a with swivel unit								
4a	500	38,0 *)	X227996	8014.50056	N	1,95	1	NH4AAM69V500-8
4a	630	50,0 *)	Y227997	8014.63056	N	1,95	1	NH4AAM69V630-8
4a	800	65,0 *)	A227999	8014.80056	N	1,95	1	NH4AAM69V800-8
4a	1000	80,0 *)	B228000	8014.10056	N	1,95	1	NH4AAM69V1000-8

\*) with indicator on top

(1) Suitable for Microswitch describes page 106

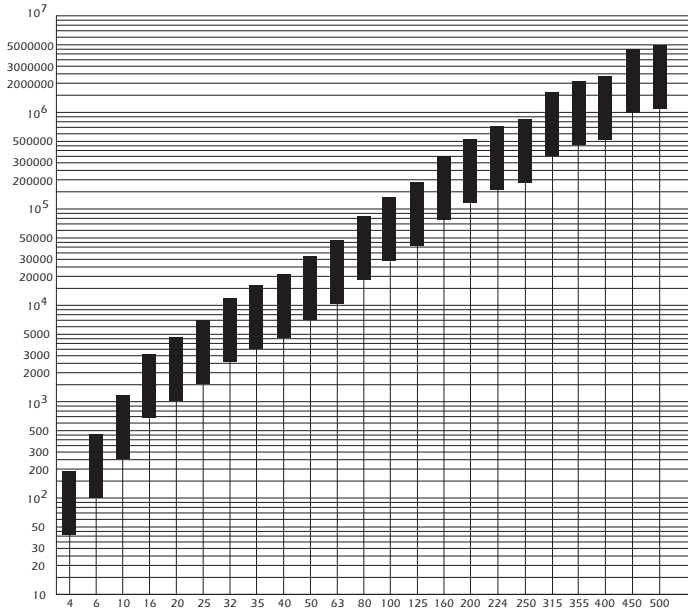
# General Purpose IEC Fuses



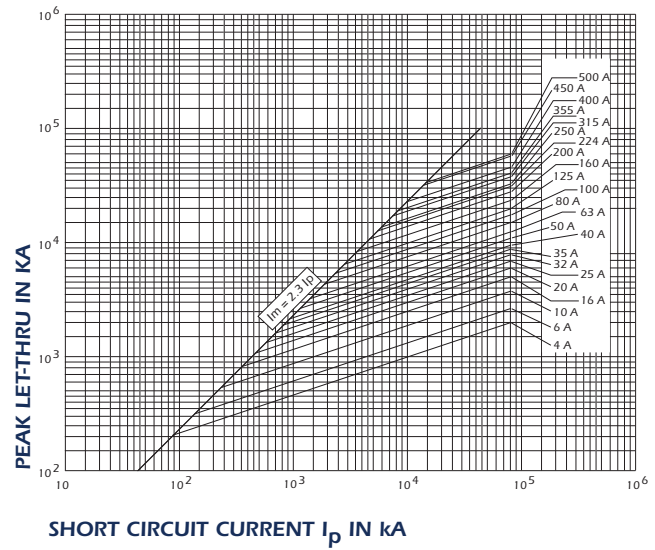
## NH Fuses (Plain Blades) aM 500V, 690V aM Curves Set



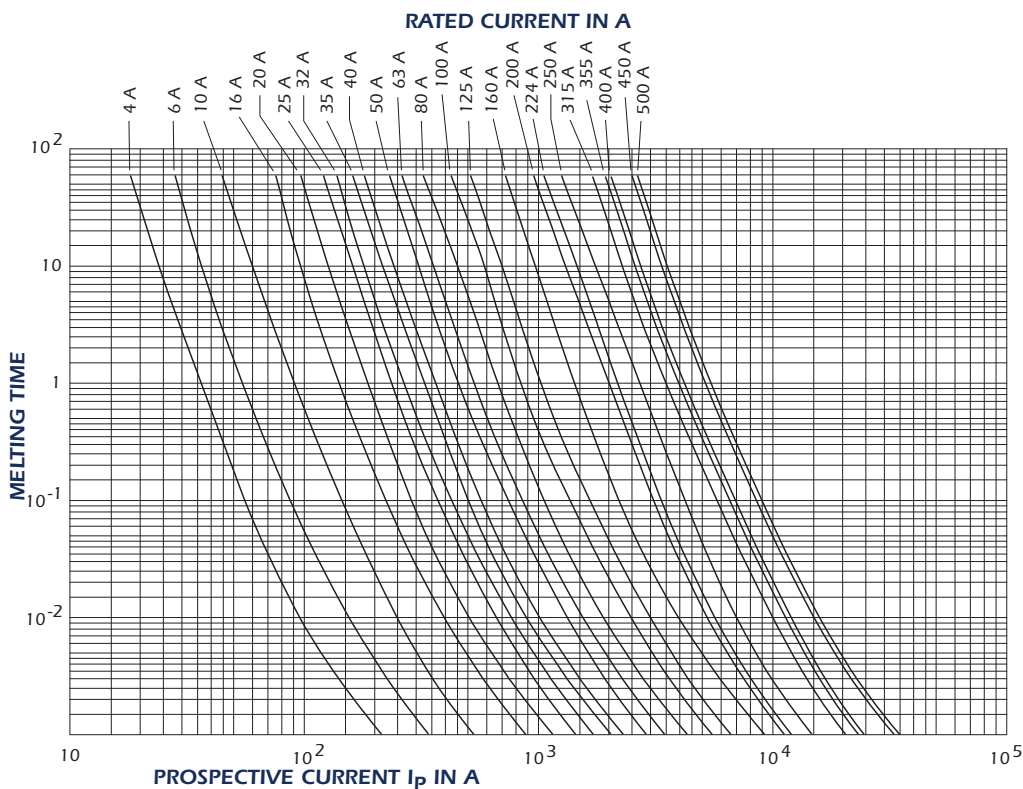
### NH-fuses, 690VAC aM Total Clearing $I^2t$



### Current Limitation Curves



### Time VS. Current Characteristics



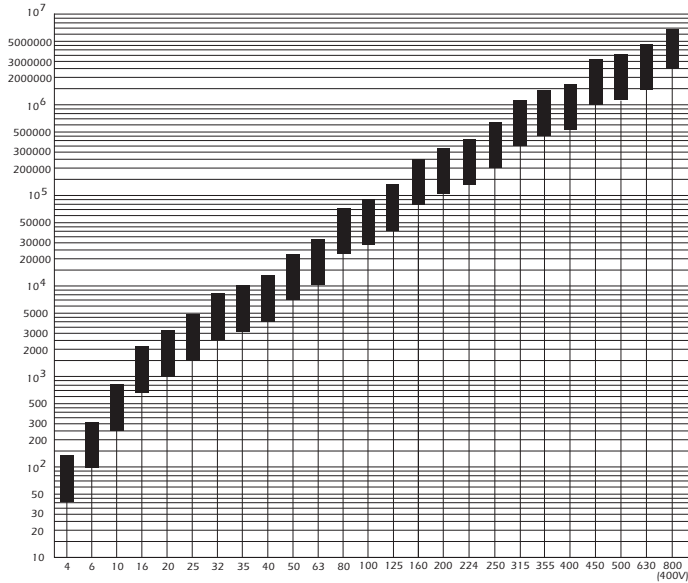
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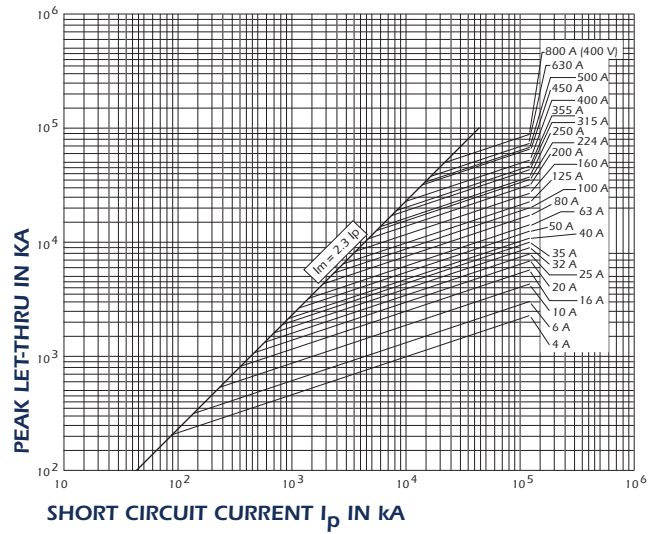


NH-fuses, 500VAC aM

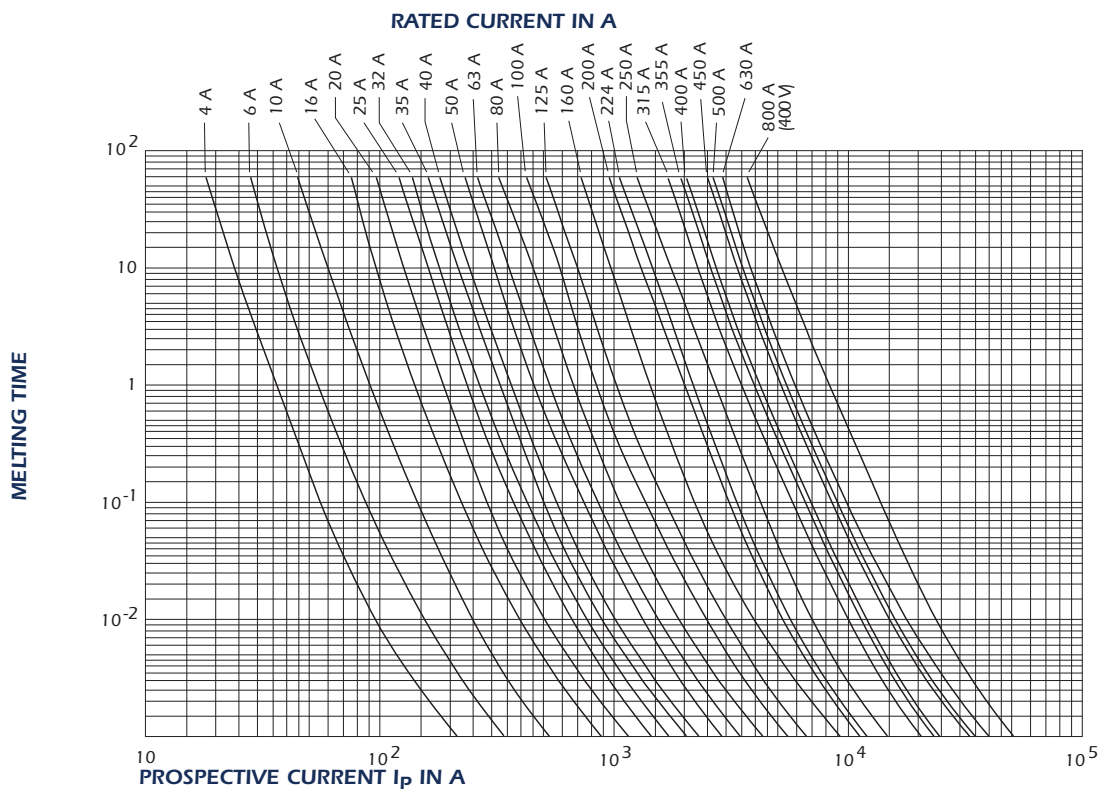
## Total Clearing I<sup>2</sup>t



## Current Limitation Curves



## Time VS. Current Characteristics





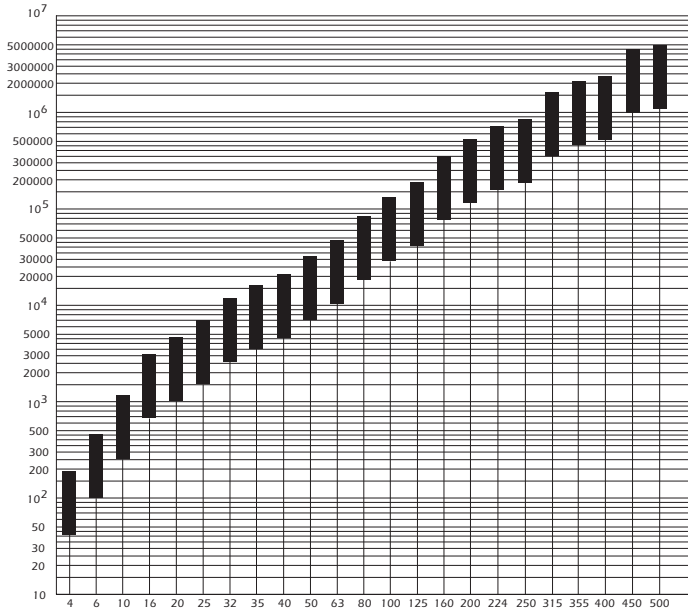
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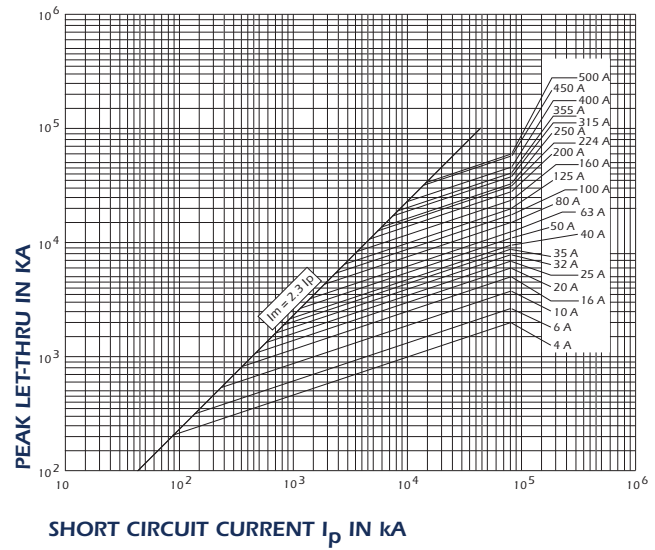
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### Time VS. Current Characteristics

