

# General Purpose IEC Fuses



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



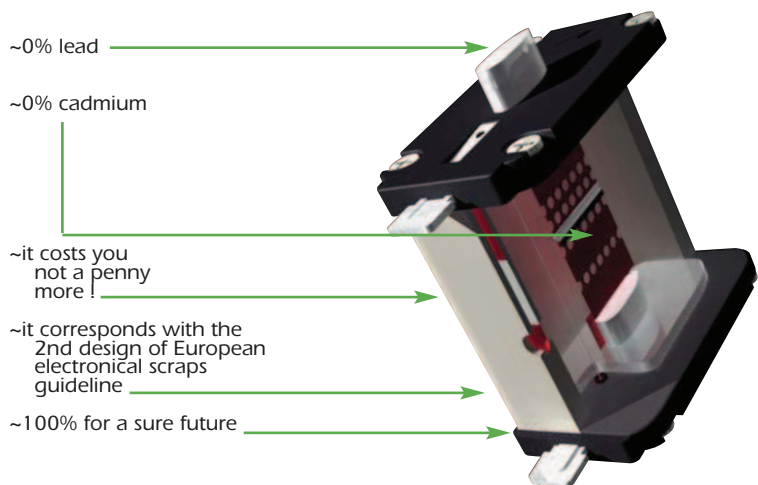
Netherlands



Beige melted



Red non melted



# General Purpose IEC Fuses



Pb-free

## NH Fuses (Plain Blades) gG 400V, 500V, 690V gG 400V Size 000 to 3

### NH-fuses, 400VAC gG

with non-isolated gripping lugs, double indicator, contact blades, complying with DIN VDE 0636Part 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
000	2	3,3	Z223674	1A613.	Y	0,12	3	NH000GG40V2
000	4	1,35	A223675	1A619.	Y	0,12	3	NH000GG40V4
000	6	1,7	B223676	1A623.	Y	0,12	3	NH000GG40V6
000	10	1,0	C223677	1A631.	Y	0,12	3	NH000GG40V10
000	16	1,8	D223678	1A635.	Y	0,12	9	NH000GG40V16
000	20	2,0	E223679	1A637.	Y	0,12	9	NH000GG40V20
000	25	2,4	F223680	1A639.	Y	0,12	9	NH000GG40V25
000	32	2,6	G223681	1A643.	Y	0,12	9	NH000GG40V32
000	35	3,2	H223682	1A645.	Y	0,12	9	NH000GG40V35
000	40	3,1	J223683	1A647.	Y	0,12	9	NH000GG40V45
000	50	3,5	K223684	1A651.	Y	0,12	9	NH000GG40V50
000	63	4,6	L223685	1A655.	Y	0,12	9	NH000GG40V63
000	80	5,0	M223686	1A659.	Y	0,12	9	NH000GG40V80
000	100	5,5	N223687	1A663.	Y	0,12	9	NH000GG40V100
00	125	8,6	E223702	1A765.	Y	0,18	3	NH00GG40V125
00	160	9,6	F223703	1A769.	Y	0,18	3	NH00GG40V160
1	35	3,9	J223706	1A145.	N	0,28	3	NH1GG40V35
1	50	4,5	K223707	1A151.	N	0,28	3	NH1GG40V50
1	63	5,7	L223708	1A155.	N	0,28	3	NH1GG40V63
1	80	5,5	M223709	1A159.	N	0,28	3	NH1GG40V80
1	100	7,0	N223710	1A163.	N	0,28	3	NH1GG40V100
1	125	9,1	P223711	1A165.	N	0,30	3	NH1GG40V125
1	160	13,0	Q223712	1A169.	Y	0,30	3	NH1GG40V160
1	200	13,1	R223713	1A171.	Y	0,30	3	NH1GG40V200
1	224	15,1	S223714	1A173.	Y	0,30	3	NH1GG40V224
1	250	16,9	T223715	1A175.	Y	0,30	3	NH1GG40V250
2	35	3,9	T227257	1A245.	N	1,87	3	NH2GG40V35
2	50	4,5	V227258	1A251.	N	1,87	3	NH2GG40V50
2	63	5,7	W227259	1A255.	N	1,87	3	NH2GG40V63
2	80	6,1	F223726	1A259.	N	0,32	3	NH2GG40V80
2	100	7,3	G223727	1A263.	N	0,32	3	NH2GG40V100
2	125	9,1	H223728	1A265.	N	0,32	3	NH2GG40V125
2	160	13,0	J223729	1A269.	N	0,32	3	NH2GG40V160
2	200	13,5	K223730	1A271.	N	0,32	3	NH2GG40V200
2	224	15,1	L223731	1A273.	N	0,32	3	NH2GG40V224
2	250	18,0	M223732	1A275.	N	0,32	3	NH2GG40V250
2	315	19,9	N223733	1A279.	Y	0,40	3	NH2GG40V315
2	355	22,7	P223734	1A281.	Y	0,40	3	NH2GG40V355
2	400	28,0	Q223735	1A283.	Y	0,40	3	NH2GG40V400
3	250	19,9	R223736	1A375.	N	0,45	1	NH3GG40V250
3	315	22,7	S223737	1A379.	N	0,45	1	NH3GG40V315
3	400	28,0	T223738	1A383.	Y	0,45	1	NH3GG40V400
3	500	30,8	V223739	1A387.	Y	0,60	1	NH3GG40V500
3	630	43,0	W223740	1A389.	Y	0,60	1	NH3GG40V630

(1) Suitable for Microswitch describes gG/aM Mechanics for Ceramic body Section page GPEU34

# General Purpose IEC Fuses



## NH Fuses (Plain Blades) gG 400V, 500V, 690V gG 400V Size 000 to 3 - Isolated Lug



Pb-free

### NH-fuses, 400VAC gG

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

Size	Rated current I <sub>N</sub> (A)	Power dissipation (W)	FS ref.-no.	Previous ref.	weight kg/pce	pack.	Catalog Number
000	2	3,3	P223688	1E613.	0,12	3	NH000GG40V2-1
000	4	1,35	Q223689	1E619.	0,12	3	NH000GG40V4-1
000	6	1,7	R223690	1E623.	0,12	3	NH000GG40V6-1
000	10	1,0	S223691	1E631.	0,12	3	NH000GG40V10-1
000	16	1,8	T223692	1E635.	0,12	9	NH000GG40V16-1
000	20	2,0	V223693	1E637.	0,12	9	NH000GG40V20-1
000	25	2,4	W223694	1E639.	0,12	9	NH000GG40V25-1
000	32	2,6	X223695	1E643.	0,12	9	NH000GG40V32-1
000	35	3,2	Y223696	1E645.	0,12	9	NH000GG40V35-1
000	40	3,1	Z223697	1E647.	0,12	9	NH000GG40V40-1
000	50	3,5	A223698	1E651.	0,12	9	NH000GG40V50-1
000	63	4,6	B223699	1E655.	0,12	9	NH000GG40V63-1
000	80	5,0	C223700	1E659.	0,12	9	NH000GG40V80-1
000	100	5,5	D223701	1E663.	0,12	9	NH000GG40V100-1
00	125	8,6	G223704	1E765.	0,18	3	NH00GG40V125-1
00	160	9,6	H223705	1E769.	0,18	3	NH00GG40V160-1
1	35	3,9	V223716	1E145.	0,28	3	NH1GG40V35-1
1	50	4,5	W223717	1E151.	0,28	3	NH1GG40V50-1
1	63	5,7	X223718	1E155.	0,28	3	NH1GG40V63-1
1	80	5,5	Y223719	1E159.	0,28	3	NH1GG40V80-1
1	100	7,0	Z223720	1E163.	0,28	3	NH1GG40V100-1
1	125	9,1	A223721	1E165.	0,30	3	NH1GG40V125-1
1	160	13,0	B223722	1E169.	0,30	3	NH1GG40V160-1
1	200	13,1	C223723	1E171.	0,30	3	NH1GG40V200-1
1	224	15,1	D223724	1E173.	0,30	3	NH1GG40V224-1
1	250	16,9	E223725	1E175.	0,30	3	NH1GG40V250-1
2	35	3,9	L227250	1E245.	2,65	3	NH2GG40V35-1
2	50	4,5	M227251	1E251.	2,65	3	NH2GG40V50-1
2	63	5,7	N227252	1E255.	2,65	3	NH2GG40V63-1
2	80	6,1	X223741	1E259.	0,32	3	NH2GG40V80-1
2	100	7,3	Y223742	1E263.	0,32	3	NH2GG40V100-1
2	125	9,1	Z223743	1E265.	0,32	3	NH2GG40V125-1
2	160	13,0	A223744	1E269.	0,32	3	NH2GG40V160-1
2	200	13,5	B223745	1E271.	0,32	3	NH2GG40V200-1
2	224	15,1	C223746	1E273.	0,32	3	NH2GG40V224-1
2	250	18,0	D223747	1E275.	0,32	3	NH2GG40V250-1
2	315	19,9	E223748	1E279.	0,40	3	NH2GG40V315-1
2	355	22,7	F223749	1E281.	0,40	3	NH2GG40V355-1
2	400	28,0	G223750	1E283.	0,40	3	NH2GG40V400-1
3	250	19,9	H223751	1E375.	0,45	1	NH3GG40V250-1
3	315	22,7	J223752	1E379.	0,45	1	NH3GG40V315-1
3	400	28,0	K223753	1E383.	0,45	1	NH3GG40V400-1
3	500	30,8	L223754	1E387.	0,60	1	NH3GG40V500-1
3	630	43,0	M223755	1E389.	0,60	1	NH3GG40V630-1

Non suitable for Microswitch.

# General Purpose IEC Fuses



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 (Plain Blades) gG 400V, 500V, 690V gG 500V Size 000 to 4a

### NH-fuses, 500VAC gG

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	1,9	B211946	1B613.	Y	0,13	3	NH000GG50V2
000	4	1,5	M212462	1B619.	Y	0,13	3	NH000GG50V4
000	6	1,6	D213995	1B623.	Y	0,13	3	NH000GG50V6
000	10	1,1	B219651	1B631.	Y	0,13	3	NH000GG50V10
000	16	1,8	K222097	1B635.	Y	0,13	9	NH000GG50V16
000	20	2,3	A222847	1B637.	Y	0,13	9	NH000GG50V20
000	25	2,4	E201185	1B639.	Y	0,13	9	NH000GG50V25
000	32	3,1	Z211438	1B643.	Y	0,13	9	NH000GG50V32
000	35	3,0	C211947	1B645.	Y	0,13	9	NH000GG50V35
000	40	3,7	N212463	1B647.	Y	0,13	9	NH000GG50V40
000	50	4,1	T212974	1B651.	Y	0,13	9	NH000GG50V50
000	63	5,4	E213996	1B655.	Y	0,13	9	NH000GG50V63
000	80	6,5	Y216543	1B659.	Y	0,13	9	NH000GG50V80
000	100	7,5	B219122	1B663.	Y	0,13	9	NH000GG50V100
00	125	10,0	R201863	1B765.	Y	0,20	3	NH00GG50V125
00	160	12,3	P211084	1B769.	Y	0,20	3	NH00GG50V160
0	6	1,6	H213148	1B023.	Y	0,27	3	NH0GG50V6
0	10	1,1	G214159	1B031.	Y	0,27	3	NH0GG50V10
0	16	1,8	Q215179	1B035.	Y	0,27	3	NH0GG50V16
0	20	2,3	R215686	1B037.	Y	0,27	3	NH0GG50V20
0	25	2,4	Y216198	1B039.	Y	0,27	3	NH0GG50V25
0	32	3,1	W216702	1B043.	Y	0,27	3	NH0GG50V32
0	35	3,0	J217220	1B045.	Y	0,27	3	NH0GG50V35
0	40	3,7	P217731	1B047.	Y	0,27	3	NH0GG50V40
0	50	4,1	Z218246	1B051.	Y	0,27	3	NH0GG50V50
0	63	6,6	N218765	1B055.	Y	0,27	3	NH0GG50V63
0	80	8,0	C219284	1B059.	Y	0,27	3	NH0GG50V80
0	100	9,4	D219814	1B063.	Y	0,27	3	NH0GG50V100
0	125	11,8	P222492	1B065.	Y	0,27	3	NH0GG50V125
0	160	14,6	F223013	1B069.	Y	0,27	3	NH0GG50V160
0	200	18,1	C229611	1B071.	Y	0,27	3	NH0GG50V200
0	224	19,2	D229612	1B073.	Y	0,27	3	NH0GG50V224
0	250	20,3	E229613	1B075.	Y	0,27	3	NH0GG50V250
1	16	1,8	M200801	1B135.	N	0,28	3	NH1GG50V16
1	20	2,3	C201344	1B137.	N	0,28	3	NH1GG50V20
1	25	2,4	N201860	1B139.	N	0,28	3	NH1GG50V25
1	32	3,1	L211081	1B143.	N	0,28	3	NH1GG50V32
1	35	3,0	A211600	1B145.	N	0,28	3	NH1GG50V35
1	40	3,7	Y212633	1B147.	N	0,28	3	NH1GG50V40
1	50	4,1	B213648	1B151.	N	0,28	3	NH1GG50V50
1	63	6,6	L214669	1B155.	N	0,28	3	NH1GG50V63
1	80	8,0	S215687	1B159.	N	0,28	3	NH1GG50V80
1	100	9,4	X216703	1B163.	N	0,28	3	NH1GG50V100
1	125	11,8	Q217732	1B165.	Y	0,30	3	NH1GG50V125
1	160	14,6	A218247	1B169.	Y	0,30	3	NH1GG50V160
1	200	18,0	P218766	1B171.	Y	0,30	3	NH1GG50V200
1	224	19,0	D219285	1B173.	Y	0,30	3	NH1GG50V224
1	250	20,0	E219815	1B175.	Y	0,30	3	NH1GG50V250
1	315	20,5	Q228519	1B179.	Y	0,42	3	NH1GG50V315
1	355	23,7	R228520	1B181.	Y	0,42	3	NH1GG50V355

(1) Suitable for Microswitch describes page 106



# General Purpose IEC Fuses



## NH Fuses (Plain Blades) gG 400V, 500V, 690V gG 500V Size 000 to 4a



### NH-fuses, 500VAC gG

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 $I_N$ (A)	Power dissipation (W)	FS ref.-no.	Previous ref.	Micro-switch <sup>(1)</sup>	weight kg/pce	pack.	Catalog Number
2	25	2,4	N200802	1B239.	N	0,42	3	NH2GG50V25
2	32	3,1	D201345	1B243.	N	0,42	3	NH2GG50V32
2	35	3,0	P201861	1B245.	N	0,42	3	NH2GG50V35
2	40	3,7	M211082	1B247.	N	0,42	3	NH2GG50V40
2	50	4,1	B211601	1B251.	N	0,42	3	NH2GG50V50
2	63	6,8	Z212634	1B255.	N	0,42	3	NH2GG50V63
2	80	8,3	C213649	1B259.	N	0,42	3	NH2GG50V80
2	100	10,7	M214670	1B263.	N	0,42	3	NH2GG50V100
2	125	12,2	T215688	1B265.	N	0,42	3	NH2GG50V125
2	160	15,0	Y216704	1B269.	N	0,42	3	NH2GG50V160
2	200	18,5	R217733	1B271.	N	0,42	3	NH2GG50V200
2	224	19,2	Q218767	1B273.	N	0,42	3	NH2GG50V224
2	250	20,6	R222494	1B275.	N	0,42	3	NH2GG50V250
2	300	21,0	P200803	1B277.	Y	0,64	3	NH2GG50V300
2	315	25,0	E201346	1B279.	Y	0,64	3	NH2GG50V315
2	355	31,5	Q201862	1B281.	Y	0,64	3	NH2GG50V355
2	400	28,5	N211083	1B283.	Y	0,64	3	NH2GG50V400
2	425	29,2	S228521	1B285.	Y	0,64	3	NH2GG50V425
2	500	35,6	T228522	1B287.	Y	0,64	3	NH2GG50V500
3	250	21,1	C211602	1B375.	N	0,65	1	NH3GG50V250
3	300	20,0	A212635	1B377.	N	0,65	1	NH3GG50V300
3	315	25,0	L213151	1B379.	N	0,65	1	NH3GG50V315
3	355	32,0	K214162	1B381.	N	0,65	1	NH3GG50V355
3	400	34,0	T215182	1B383.	N	1,05	1	NH3GG50V400
3	425	34,0	B216201	1B385.	Y	1,05	1	NH3GG50V425
3	450	38,0	Z216705	1B386.	Y	1,05	1	NH3GG50V450
3	500	43,0	M217223	1B387.	Y	1,05	1	NH3GG50V500
3	630	43,1	S217734	1B389.	Y	1,05	1	NH3GG50V630
3	800	53,2	V228523	1B391.	Y	1,05	1	NH3GG50V800

#### with screw contact

4	400	31,0	*)	A216039	8004.4007	N	2,00	1	NH4GG50V400-8
4	500	35,0	*)	X216542	8004.5007	N	2,00	1	NH4GG50V500-8
4	630	46,6	*)	W217576	8004.6307	N	2,00	1	NH4GG50V630-8
4	800	70,0	*)	E218090	8004.8007	N	2,00	1	NH4GG50V800-8
4	1000	83,3	*)	H201694	8004.1007	N	2,00	1	NH4GG50V1000-8
4	1250	110,0	*)	C213994	8004.1257	N	2,00	1	NH4GG50V1250-8

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

4a	500	35,0	*)	D201184	8014.5007	N	1,95	1	NH4AGG50V500-8
4a	630	46,6	*)	T205752	8014.6307	N	1,95	1	NH4AGG50V630-8
4a	800	70,0	*)	Y211437	8014.8007	N	1,95	1	NH4AGG50V800-8
4a	1000	83,3	*)	A219650	8014.1007	N	1,95	1	NH4AGG50V1000-8
4a	1250	110,0	*)	J200637	8014.1257	N	1,95	1	NH4AGG50V1250-8

\*) with indicator on top

(1) Suitable for Microswitch describes page 106

# General Purpose IEC Fuses



Cd/Pb-free

## NH Fuses (Plain Blades) gG 400V, 500V, 690V gG 500V Size 000 to 3 - Isolated Lug

### NH-fuses, 500VAC gG

with isolated metal gripping lugs (SGL), 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.	weight kg/pce	pack.	Catalog Number
000	2	1,9	C219652	1F613.	0,14	3	NH000GG50V2-1
000	4	1,5	N205770	1F619.	0,14	3	NH000GG50V4-1
000	6	1,6	P212464	1F623.	0,14	3	NH000GG50V6-1
000	10	1,1	V215528	1F631.	0,14	3	NH000GG50V10-1
000	16	1,8	F213997	1F635.	0,14	9	NH000GG50V16-1
000	20	2,3	F218091	1F637.	0,14	9	NH000GG50V20-1
000	25	2,4	K200638	1F639.	0,14	9	NH000GG50V25-1
000	32	3,1	D213489	1F643.	0,14	9	NH000GG50V32-1
000	35	3,0	G201187	1F645.	0,14	9	NH000GG50V35-1
000	40	3,7	D219653	1F647.	0,14	9	NH000GG50V40-1
000	50	4,1	C222849	1F651.	0,14	9	NH000GG50V50-1
000	63	5,4	R212466	1F655.	0,14	9	NH000GG50V63-1
000	80	6,5	N215016	1F659.	0,14	9	NH000GG50V80-1
000	100	7,5	J201189	1F663.	0,14	9	NH000GG50V100-1
00	125	10,0	V200808	1F765.	0,20	3	NH00GG50V125-1
00	160	12,3	W201867	1F769.	0,20	3	NH00GG50V160-1
0	6	1,6	B212636	1F023.	0,26	3	NH0GG50V6-1
0	10	1,1	M213152	1F031.	0,26	3	NH0GG50V10-1
0	16	1,8	E213651	1F035.	0,26	3	NH0GG50V16-1
0	20	2,3	L214163	1F037.	0,26	3	NH0GG50V20-1
0	25	2,4	P214672	1F039.	0,26	3	NH0GG50V25-1
0	32	3,1	V215183	1F043.	0,26	3	NH0GG50V32-1
0	35	3,0	W215690	1F045.	0,26	3	NH0GG50V35-1
0	40	3,7	C216202	1F047.	0,26	3	NH0GG50V40-1
0	50	4,1	A216706	1F051.	0,26	3	NH0GG50V50-1
0	63	6,6	N217224	1F055.	0,26	3	NH0GG50V63-1
0	80	8,0	T217735	1F059.	0,26	3	NH0GG50V80-1
0	100	9,4	D218250	1F063.	0,26	3	NH0GG50V100-1
0	125	11,8	S218769	1F065.	0,26	3	NH0GG50V125-1
0	160	14,6	F219287	1F069.	0,26	3	NH0GG50V160-1
1	16	1,8	H219818	1F135.	0,29	3	NH1GG50V16-1
1	20	2,3	T222496	1F137.	0,29	3	NH1GG50V20-1
1	25	2,4	K223017	1F139.	0,29	3	NH1GG50V25-1
1	32	3,1	R200805	1F143.	0,29	3	NH1GG50V32-1
1	35	3,0	G201348	1F145.	0,29	3	NH1GG50V35-1
1	40	3,7	Q211085	1F147.	0,29	3	NH1GG50V40-1
1	50	4,1	L212116	1F151.	0,29	3	NH1GG50V50-1
1	63	6,6	N213153	1F155.	0,29	3	NH1GG50V63-1
1	80	8,0	M214164	1F159.	0,29	3	NH1GG50V80-1
1	100	9,4	W215184	1F163.	0,29	3	NH1GG50V100-1
1	125	11,8	D216203	1F165.	0,42	3	NH1GG50V125-1
1	160	14,6	B216707	1F169.	0,42	3	NH1GG50V160-1
1	200	18,0	P217225	1F171.	0,42	3	NH1GG50V200-1
1	224	19,0	V217736	1F173.	0,42	3	NH1GG50V224-1
1	250	20,0	E218251	1F175.	0,42	3	NH1GG50V250-1

Non suitable for Microswitch.

# General Purpose IEC Fuses



## NH Fuses (Plain Blades) gG 400V, 500V, 690V gG 500V Size 000 to 3 - Isolated Lug



### NH-fuses, 500VAC gG

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



Cd/Pb-free

Size	Rated current $I_N$ (A)	Power dissipation (W)	FS ref.-no.	Previous ref.	weight kg/pce	pack.	Catalog Number
2	25	2,4	J219819	1F239.	0,42	3	NH2GG50V25-1
2	32	3,1	V222497	1F243.	0,42	3	NH2GG50V32-1
2	35	3,0	L223018	1F245.	0,42	3	NH2GG50V35-1
2	40	3,7	S200806	1F247.	0,42	3	NH2GG50V40-1
2	50	4,1	H201349	1F251.	0,42	3	NH2GG50V50-1
2	63	6,8	T201865	1F255.	0,42	3	NH2GG50V63-1
2	80	8,3	F211605	1F259.	0,42	3	NH2GG50V80-1
2	100	10,7	P213154	1F263.	0,42	3	NH2GG50V100-1
2	125	12,2	N214165	1F265.	0,42	3	NH2GG50V125-1
2	160	15,0	X215185	1F269.	0,42	3	NH2GG50V160-1
2	200	18,5	E216204	1F271.	0,42	3	NH2GG50V200-1
2	224	19,2	Q217226	1F273.	0,42	3	NH2GG50V224-1
2	250	20,6	F218252	1F275.	0,42	3	NH2GG50V250-1
2	300	21,0	H219289	1F277.	0,64	3	NH2GG50V300-1
2	315	25,0	K219820	1F279.	0,64	3	NH2GG50V315-1
2	355	31,5	M223019	1F281.	0,64	3	NH2GG50V355-1
2	400	28,5	T200807	1F283.	0,64	3	NH2GG50V400-1
3	250	21,1	J201350	1F375.	0,65	1	NH3GG50V250-1
3	300	20,0	S211087	1F377.	0,65	1	NH3GG50V300-1
3	315	25,0	G211606	1F379.	0,65	1	NH3GG50V315-1
3	355	32,0	E212639	1F381.	0,65	1	NH3GG50V355-1
3	400	34,0	H213654	1F383.	1,05	1	NH3GG50V400-1
3	425	34,0	S214675	1F385.	1,05	1	NH3GG50V425-1
3	450	38,0	Z215693	1F386.	1,05	1	NH3GG50V450-1
3	500	43,0	F216205	1F387.	1,05	1	NH3GG50V500-1
3	630	43,1	D216709	1F389.	1,05	1	NH3GG50V630-1

Non suitable for Microswitch.

# General Purpose IEC Fuses

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

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	1,9	E228440	1C613.	Y	0,13	3	NH000GG69V2
000	4	1,5	F228441	1C619.	Y	0,13	3	NH000GG69V4
000	6	1,6	G228442	1C623.	Y	0,13	3	NH000GG69V6
000	10	1,1	J228444	1C631.	Y	0,13	3	NH000GG69V10
000	16	1,8	K228445	1C635.	Y	0,13	3	NH000GG69V16
000	20	2,3	L228446	1C637.	Y	0,13	3	NH000GG69V20
000	25	2,4	M228447	1C639.	Y	0,13	3	NH000GG69V25
000	32	3,1	N228448	1C643.	Y	0,13	3	NH000GG69V32
000	35	3,0	P228449	1C645.	Y	0,13	3	NH000GG69V35
000	40	3,7	Q228450	1C647.	Y	0,13	3	NH000GG69V40
000	50	4,1	R228451	1C651.	Y	0,13	3	NH000GG69V50
000	63	5,4	S228452	1C655.	Y	0,13	3	NH000GG69V63
000	80	6,5	T228453	1C659.	Y	0,13	3	NH000GG69V80
00	32	3,1	V228454	1C743.	Y	0,20	3	NH00GG69V32
00	35	3,0	W228455	1C745.	Y	0,20	3	NH00GG69V35
00	40	3,7	X228456	1C747.	Y	0,20	3	NH00GG69V40
00	50	4,1	Y228457	1C751.	Y	0,20	3	NH00GG69V50
00	63	5,6	Z228458	1C755.	Y	0,20	3	NH00GG69V63
00	80	6,8	A228459	1C759.	Y	0,20	3	NH00GG69V80
00	100	7,5	B228460	1C763.	Y	0,20	3	NH00GG69V100
00	125	10,0	C228461	1C765.	Y	0,20	3	NH00GG69V125
0	6	1,6	D228462	1C023.	Y	0,27	3	NH0GG69V6
0	10	1,1	E228463	1C031.	Y	0,27	3	NH0GG69V10
0	16	1,8	F228464	1C035.	Y	0,27	3	NH0GG69V16
0	20	2,3	G228465	1C037.	Y	0,27	3	NH0GG69V20
0	25	2,4	H228466	1C039.	Y	0,27	3	NH0GG69V25
0	32	3,1	J228467	1C043.	Y	0,27	3	NH0GG69V32
0	35	3,0	K228468	1C045.	Y	0,27	3	NH0GG69V35
0	40	3,7	L228469	1C047.	Y	0,27	3	NH0GG69V40
0	50	4,1	M228470	1C051.	Y	0,27	3	NH0GG69V50
0	63	6,6	N228471	1C055.	Y	0,27	3	NH0GG69V63
0	80	8,0	P228472	1C059.	Y	0,27	3	NH0GG69V80
0	100	9,4	Q228473	1C063.	Y	0,27	3	NH0GG69V100
0	125	11,8	R228474	1C065.	Y	0,27	3	NH0GG69V125
0	160	14,6	S228475	1C069.	Y	0,27	3	NH0GG69V160
1	16	1,8	T228476	1C135.	N	0,26	3	NH1GG69V16
1	20	2,3	V228477	1C137.	N	0,26	3	NH1GG69V20
1	25	2,4	W228478	1C139.	N	0,26	3	NH1GG69V25
1	32	3,1	X228479	1C143.	N	0,26	3	NH1GG69V32
1	35	3,0	Y228480	1C145.	N	0,26	3	NH1GG69V35
1	40	3,7	Z228481	1C147.	N	0,26	3	NH1GG69V40
1	50	4,1	A228482	1C151.	N	0,26	3	NH1GG69V50
1	63	6,6	B228483	1C155.	N	0,26	3	NH1GG69V63
1	80	8,0	C228484	1C159.	N	0,26	3	NH1GG69V80
1	100	9,4	D228485	1C163.	N	0,26	3	NH1GG69V100
1	125	11,8	E228486	1C165.	N	0,42	3	NH1GG69V125
1	160	14,6	F228487	1C169.	N	0,42	3	NH1GG69V160
1	200	18,0	G228488	1C171.	Y	0,42	3	NH1GG69V200
1	224	19,0	V233261	1C173.	Y	0,42	3	NH1GG69V224
1	250	20,0	W233262	1C175.	Y	0,42	3	NH1GG69V250

(1) Suitable for Microswitch describes page 106



# General Purpose IEC Fuses



## NH Fuses (Plain Blades) gG 400V, 500V, 690V gG 690V Size 000 to 4a



### NH-fuses, 690VAC gG

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 $I_N$ (A)	Power dissipation (W)	FS ref.-no.	Previous ref.	Micro- switch <sup>(1)</sup>	weight kg/pce	pack.	Catalog Number
2	32	3,1	H228489	1C243.	N	0,42	3	NH2GG69V32
2	35	3,0	J228490	1C245.	N	0,42	3	NH2GG69V35
2	40	3,7	K228491	1C247.	N	0,42	3	NH2GG69V40
2	50	4,1	L228492	1C251.	N	0,42	3	NH2GG69V50
2	63	6,8	M228493	1C255.	N	0,42	3	NH2GG69V63
2	80	8,3	N228494	1C259.	N	0,42	3	NH2GG69V80
2	100	10,7	P228495	1C263.	N	0,42	3	NH2GG69V100
2	125	12,2	Q228496	1C265.	Y	0,42	3	NH2GG69V125
2	160	15,0	R228497	1C269.	Y	0,42	3	NH2GG69V160
2	200	18,5	S228498	1C271.	Y	0,42	3	NH2GG69V200
2	224	19,2	T228499	1C273.	Y	0,42	3	NH2GG69V224
2	250	20,6	V228500	1C275.	Y	0,42	3	NH2GG69V250
2	300	21,0	W228501	1C277.	Y	0,64	3	NH2GG69V300
2	315	25,0	X228502	1C279.	Y	0,65	3	NH2GG69V315
2	355	31,5	Y228503	1C281.	Y	0,65	3	NH2GG69V355
3	250	21,1	Z228504	1C375.	N	0,65	1	NH3GG69V250
3	300	22,6	A228505	1C377.	N	0,65	1	NH3GG69V300
3	315	25,0	B228506	1C379.	Y	0,65	1	NH3GG69V315
3	355	32,0	C228507	1C381.	Y	0,65	1	NH3GG69V355
3	400	34,0	D228508	1C383.	Y	1,05	1	NH3GG69V400
3	425	34,0	E228509	1C385.	Y	1,05	1	NH3GG69V425
3	500	43,0	F228510	1C387.	Y	1,05	1	NH3GG69V500

#### with screw contact

4	400	31,0	*)	N214004	8004.400765	N	2,00	1	NH4GG69V400-8
4	500	35,0	*)	Y215025	8004.500765	N	2,00	1	NH4GG69V500-8
4	630	46,6	*)	E215537	8004.630765	N	2,00	1	NH4GG69V630-8
4	800	70,0	*)	K216554	8004.800765	N	2,00	1	NH4GG69V800-8

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

4a	400	31,0	*)	W217070	8014.400765	N	1,95	1	NH4AGG69V400-8
4a	500	35,0	*)	H217587	8014.500765	N	1,95	1	NH4AGG69V500-8
4a	630	46,6	*)	W222107	8014.630765	N	1,95	1	NH4AGG69V630-8
4a	800	70,0	*)	M222858	8014.800765	N	1,95	1	NH4AGG69V800-8

\*) with indicator on top

(1) Suitable for Microswitch describes page 106

# General Purpose IEC Fuses



Cd/Pb-free

## NH Fuses (Plain Blades) gG 400V, 500V, 690V gG 690V Size 000 to 3 - Isolated Lug

NH-fuses, 690VAC gG

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

Size	Rated current I <sub>N</sub> (A)	Power dissipation (W)	FS ref.-no.	Previous ref.	weight kg/pce	pack.	Catalog Number
000	2	1,9	D229704	1G613.	0,14	3	NH000GG69V2-1
000	4	1,5	E229705	1G619.	0,14	3	NH000GG69V4-1
000	6	1,6	F229706	1G623.	0,14	3	NH000GG69V6-1
000	10	1,1	H229708	1G631.	0,14	3	NH000GG69V10-1
000	16	1,8	J229709	1G635.	0,14	3	NH000GG69V16-1
000	20	2,3	K229710	1G637.	0,14	3	NH000GG69V20-1
000	25	2,4	L229711	1G639.	0,14	3	NH000GG69V25-1
000	32	3,1	M229712	1G643.	0,14	3	NH000GG69V32-1
000	35	3,0	N229713	1G645.	0,14	3	NH000GG69V35-1
000	40	3,7	P229714	1G647.	0,14	3	NH000GG69V40-1
000	50	4,1	Q229715	1G651.	0,14	3	NH000GG69V50-1
000	63	5,4	R229716	1G655.	0,14	3	NH000GG69V63-1
000	80	6,5	S229717	1G659.	0,14	3	NH000GG69V80-1
00	32	3,1	T229718	1G743.	0,20	3	NH00GG69V32-1
00	35	3,0	V229719	1G745.	0,20	3	NH00GG69V35-1
00	40	3,7	W229720	1G747.	0,20	3	NH00GG69V40-1
00	50	4,1	X229721	1G751.	0,20	3	NH00GG69V50-1
00	63	5,6	Y229722	1G755.	0,20	3	NH00GG69V63-1
00	80	6,8	Z229723	1G759.	0,20	3	NH00GG69V80-1
00	100	7,5	A229724	1G763.	0,20	3	NH00GG69V100-1
00	125	10,0	B229725	1G765.	0,20	3	NH00GG69V125-1
0	6	1,6	C229726	1G023.	0,26	3	NH0GG69V6-1
0	10	1,1	D229727	1G031.	0,26	3	NH0GG69V10-1
0	16	1,8	E229728	1G035.	0,26	3	NH0GG69V16-1
0	20	2,3	F229729	1G037.	0,26	3	NH0GG69V20-1
0	25	2,4	G229730	1G039.	0,26	3	NH0GG69V25-1
0	32	3,1	H229731	1G043.	0,26	3	NH0GG69V32-1
0	35	3,0	J229732	1G045.	0,26	3	NH0GG69V35-1
0	40	3,7	K229733	1G047.	0,26	3	NH0GG69V40-1
0	50	4,1	L229734	1G051.	0,26	3	NH0GG69V50-1
0	63	6,6	M229735	1G055.	0,26	3	NH0GG69V63-1
0	80	8,0	N229736	1G059.	0,26	3	NH0GG69V80-1
0	100	9,4	P229737	1G063.	0,26	3	NH0GG69V100-1
0	125	11,8	Q229738	1G065.	0,26	3	NH0GG69V125-1
0	160	14,6	R229739	1G069.	0,26	3	NH0GG69V160-1
1	16	1,8	S229740	1G135.	0,29	1	NH1GG69V16-1
1	20	2,3	T229741	1G137.	0,29	1	NH1GG69V20-1
1	25	2,4	V229742	1G139.	0,29	1	NH1GG69V25-1
1	32	3,1	W229743	1G143.	0,29	1	NH1GG69V32-1
1	35	3,0	X229744	1G145.	0,29	1	NH1GG69V35-1
1	40	3,7	Y229745	1G147.	0,29	1	NH1GG69V40-1
1	50	4,1	Z229746	1G151.	0,29	1	NH1GG69V50-1
1	63	6,6	A229747	1G155.	0,29	1	NH1GG69V63-1
1	80	8,0	B229748	1G159.	0,29	1	NH1GG69V80-1
1	100	9,4	C229749	1G163.	0,29	1	NH1GG69V100-1
1	125	11,8	D229750	1G165.	0,42	1	NH1GG69V125-1
1	160	14,6	E229751	1G169.	0,42	1	NH1GG69V160-1
1	200	18,0	F229752	1G171.	0,42	1	NH1GG69V200-1
1	224	19,0	G229753	1G173.	0,42	1	NH1GG69V224-1
2	32	3,1	J229755	1G243.	0,43	1	NH2GG69V32-1
2	35	3,0	K229756	1G245.	0,43	1	NH2GG69V35-1
2	40	3,7	L229757	1G247.	0,43	1	NH2GG69V40-1
2	50	4,1	M229758	1G251.	0,43	1	NH2GG69V50-1
2	63	6,8	N229759	1G255.	0,43	1	NH2GG69V63-1
2	80	8,3	P229760	1G259.	0,43	1	NH2GG69V80-1
2	100	10,7	Q229761	1G263.	0,43	1	NH2GG69V100-1
2	125	12,2	R229762	1G265.	0,43	1	NH2GG69V125-1
2	160	15,0	S229763	1G269.	0,43	1	NH2GG69V160-1
2	200	18,5	T229764	1G271.	0,43	1	NH2GG69V200-1
2	224	19,2	V229765	1G273.	0,43	1	NH2GG69V224-1
2	250	20,6	D233729	1G275.	0,43	1	NH2GG69V250-1
2	300	21,0	X229767	1G277.	0,43	1	NH2GG69V300-1
2	315	25,0	Y229768	1G279.	0,65	1	NH2GG69V315-1
2	355	31,5	Z229769	1G281.	0,65	1	NH2GG69V355-1
3	250	21,1	A229770	1G375.	0,65	1	NH3GG69V250-1
3	300	22,6	B229771	1G377.	1,01	1	NH3GG69V300-1
3	315	25,0	C229772	1G379.	1,01	1	NH3GG69V315-1
3	355	32,0	D229773	1G381.	1,01	1	NH3GG69V355-1
3	400	34,0	E229774	1G383.	1,01	1	NH3GG69V400-1
3	425	34,0	F229775	1G385.	1,01	1	NH3GG69V425-1

Non suitable for Microswitch.

# General Purpose IEC Fuses

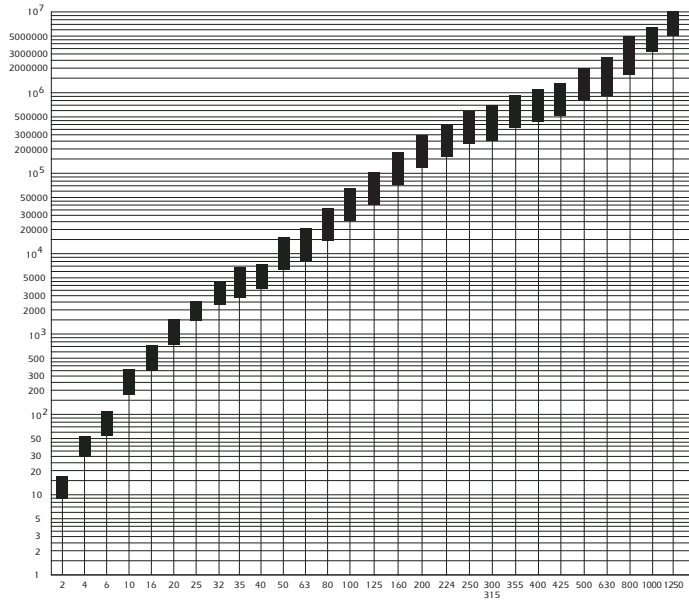


## NH Fuses (Plain Blades) gG 400V, 500V, 690V gG Curves Set

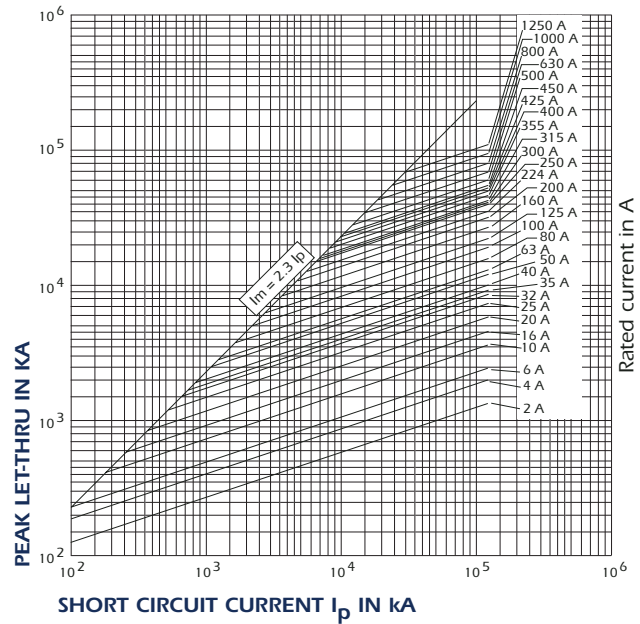


NH-fuses, 400VAC, 500VAC gG

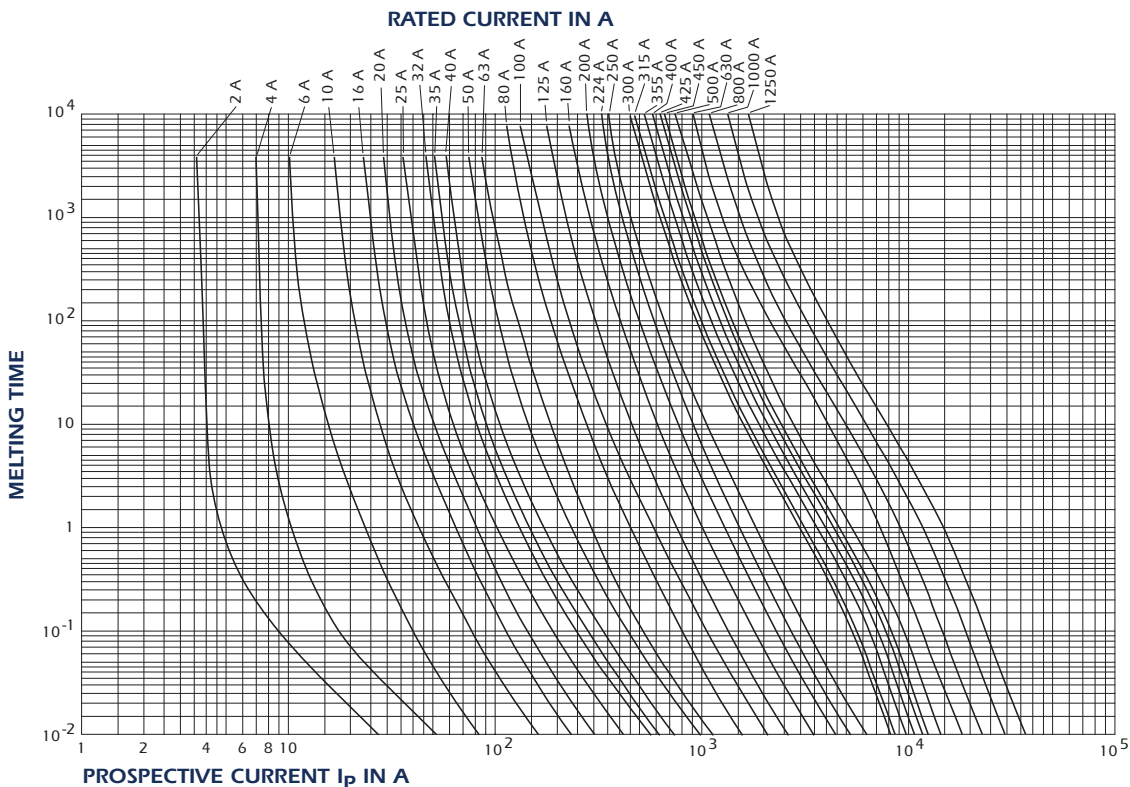
### Total Clearing I<sup>2</sup>t



### Current Limitation Curves



### Time VS. Current Characteristics



# General Purpose IEC Fuses

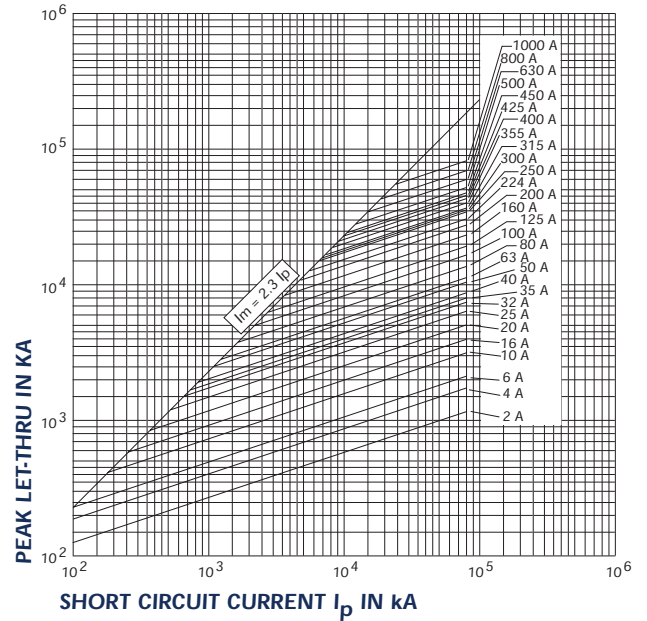
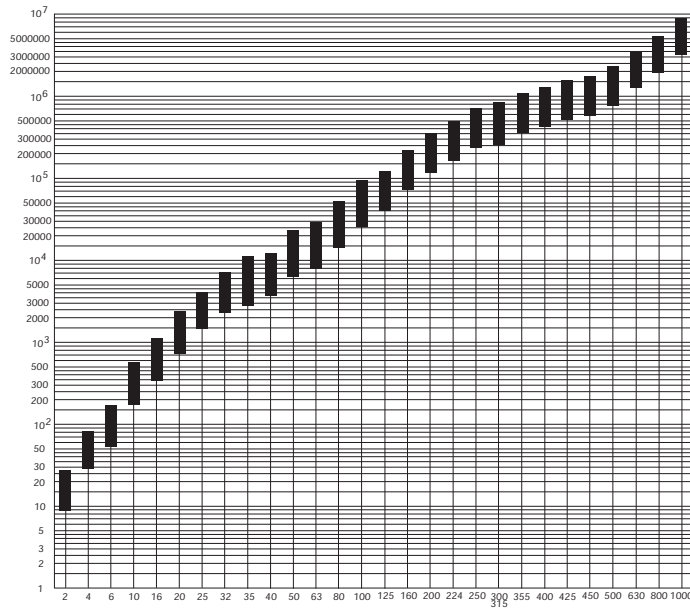
NH Fuses (Plain Blades)  
gG 400V, 500V, 690V  
gG Curves Set



NH-fuses, 690VAC gG

## Current Limitation Curves

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



## Time VS. Current

