

# 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



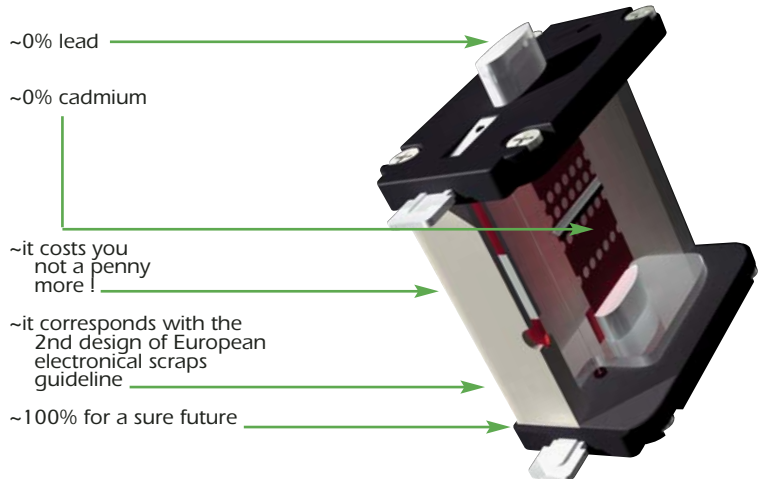
Netherlands



Beige melted



Red non melted



# General Purpose IEC Fuses

## 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

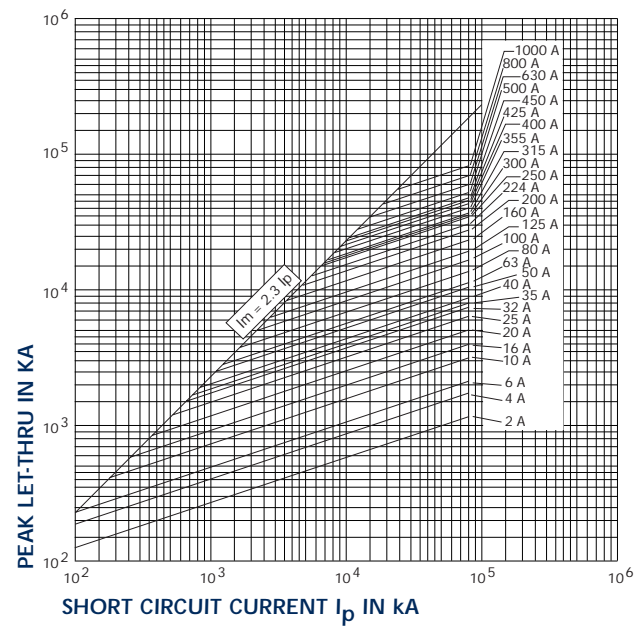
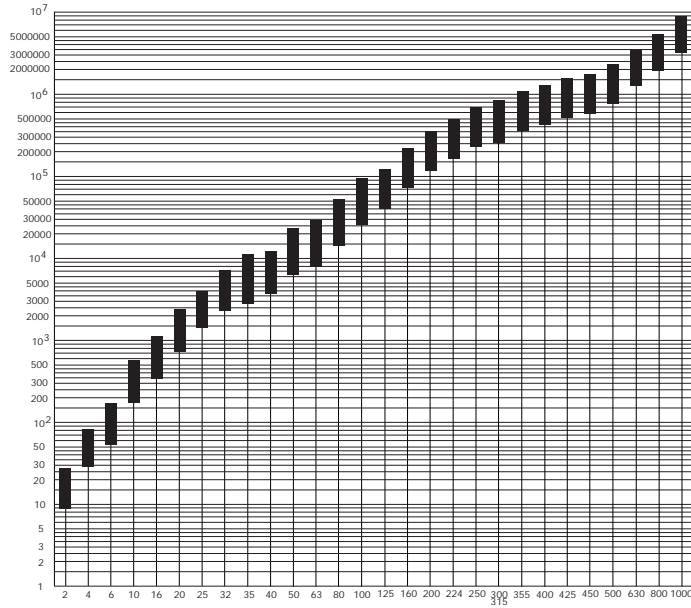
NH Fuses (Plain Blades)  
gG 400V, 500V, 690V  
gG Curves Set



NH-fuses, 690VAC gG

## Current Limitation Curves

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



## Time VS. Current

