

FUS Series

100/125/160 200/250 Ah

LOW VOLTAGE FULL RANGE KNIFE FUSE

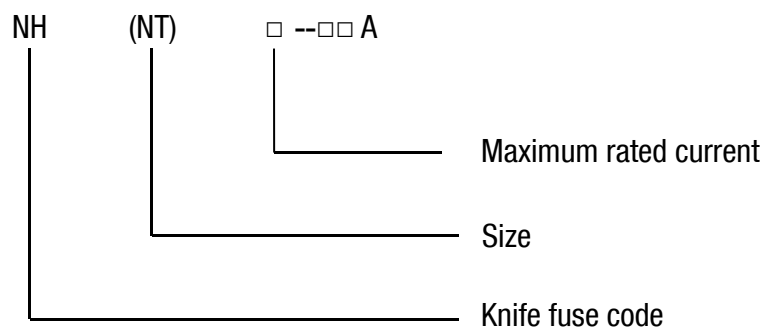


1. Product introduction

This series of fuses are suitable for AC 45-62 Hz, rated voltage 500-690 V, and rated current up to 1250 A. Mainly used as electrical circuit overload and short-circuit protection (gG/gL), it can also be derived as short-circuit protection (aR) and motor short-circuit protection (aM) for semiconductor equipment and its complete sets of equipment. The rated breaking capacity is up to 120 KA. This series of fuses comply with the national standard VDE0636 and the international electrical standard IEC60269.

- Rated voltage: AC 500 V-690 V
- Rated current: 4 A-1250 A
- Use category: gG/gL
- Breaking capacity: AC500 V / 120 KA, 690 V/50 KA
- Reference standard: VDE0636, IIEC60269

2. Specifications and naming rules



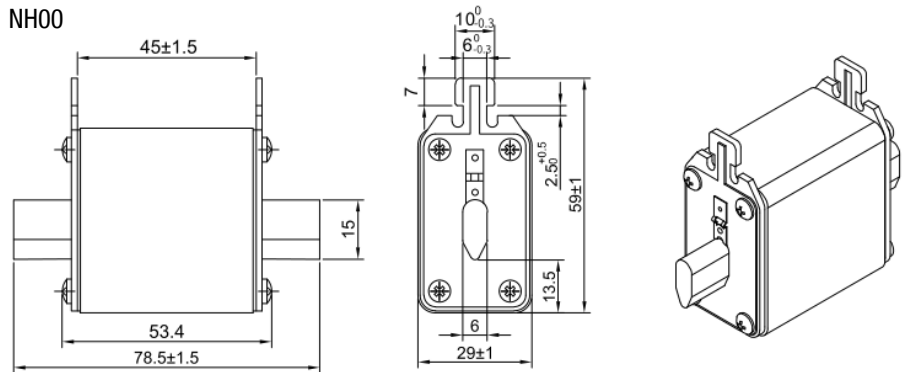
3. Dimensions (mm)

Square Pipe Knife-shape Contact Fuse

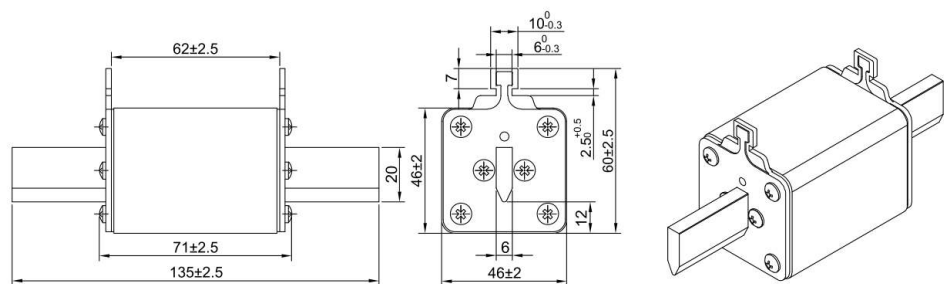
No.	Model / Size	Rated Voltage	Rated current Specifications	Overall dimension					
				A	D	E	H	H1	H2
0101	MF-FUS-XV2 (NH00C)	500/690	X = 4, 6, 10, 16, 20, 25, 32, 40, 50, 63, 80, 100	78	49	21	48	15	36
0102	MF-FUS-XV2 (NH00)	500/690	X = (4~100), 125, 160	78	49	29	56	15	45
0103	MF-FUS-XV2 (NH0)	500/690	X = (6~100), 125, 160	125	68	29	56	15	45
0104	MF-FUS-XV2 (NH1)	500/690	X = 80, 100, 125, 160, 200, 224, 250	135	68	48	60	20	48
0105	MF-FUS-XV2 (NH2)	500/690	X = 125, 160, 200, 224, 250, 300, 315, 355, 400	150	68	58	72	25	58
0106	MF-FUS-XV2 (NH3)	500/690	X = 315, 355, 400, 425, 500, 630	150	68	67	83	32	67
0107	MF-FUS-XV2 (NH4)	500/690	X = 800, 1000, 1250	200	68	88	112	50	96



NH00



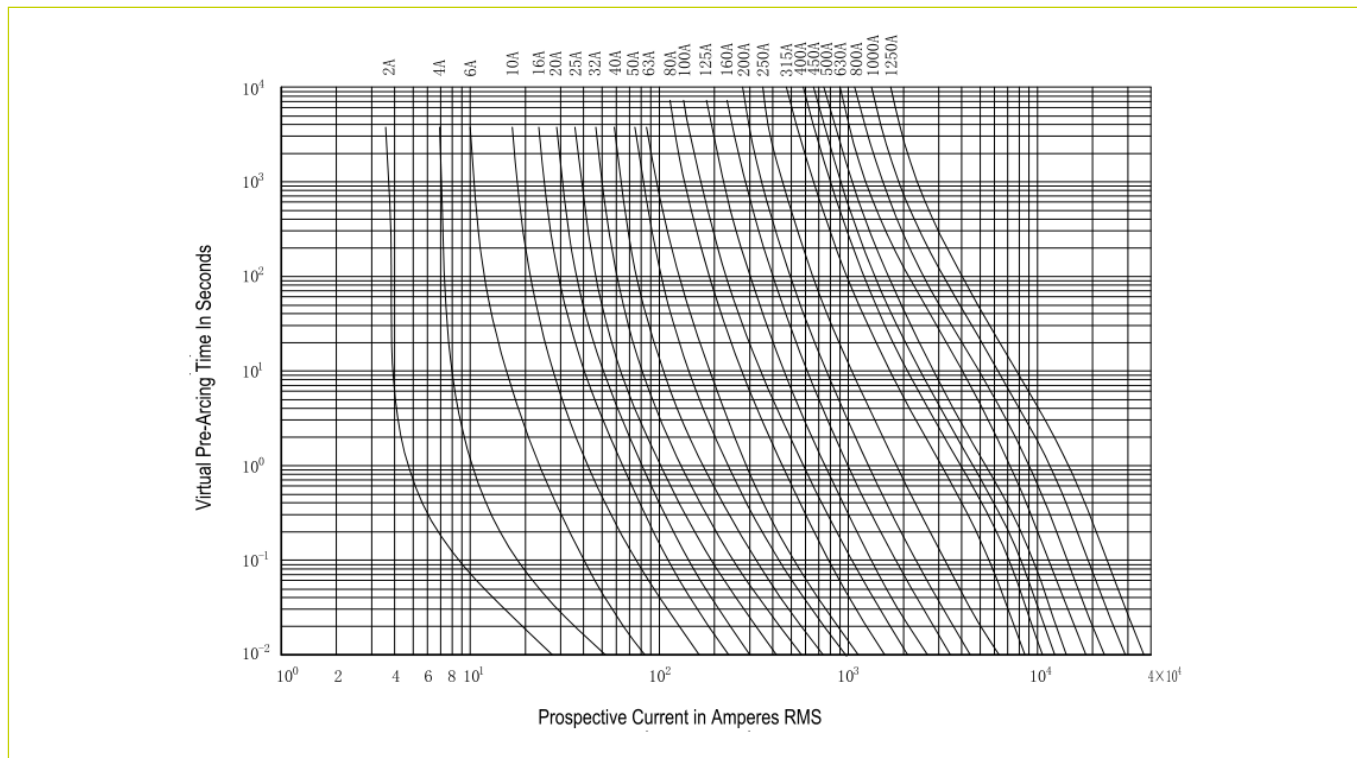
NH1

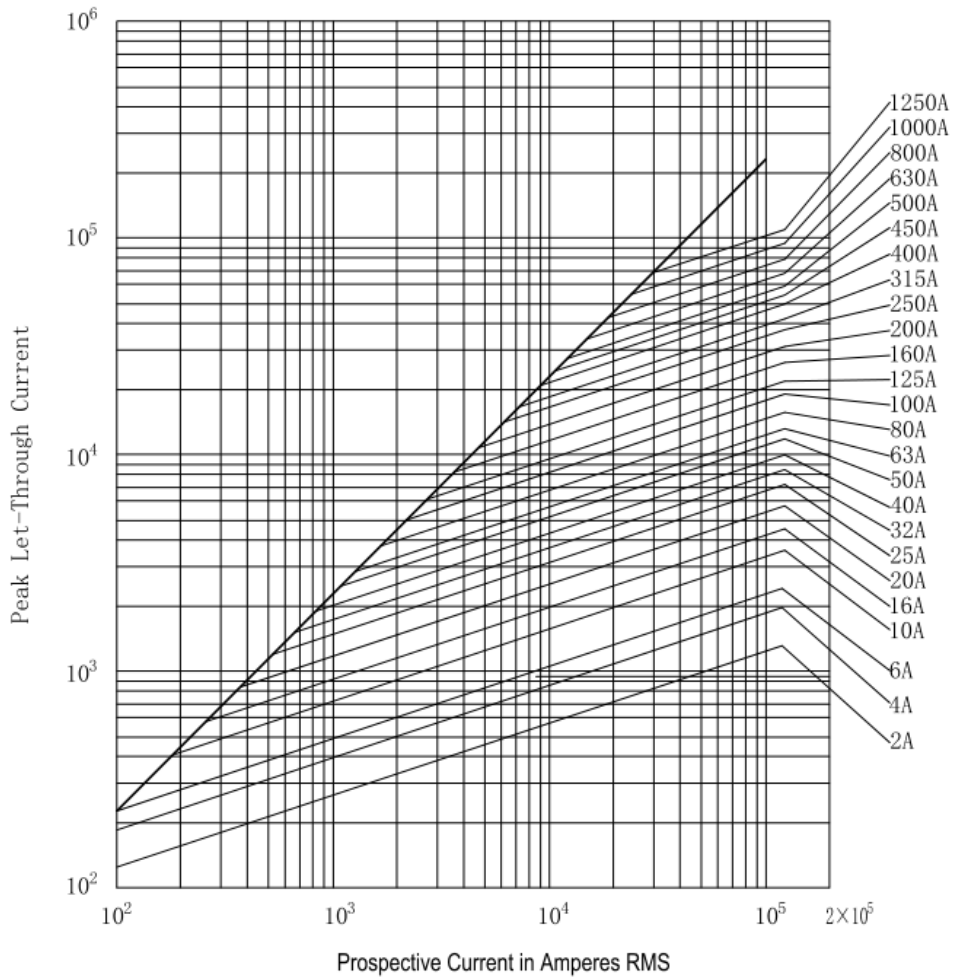


4. Product parameter

No.	Model	Size	Rated voltage	Rated current	Breaking capacity		Rated current of fuse base
					500 V	690 V	
1	MF-FUS-XV2 (NH00C)	00C	AC500 V / AC690 V	X = 4, 6, 10, 16, 20, 25, 32, 40, 50, 63, 80, 100	120 KA	50 KA	Equipped with base: MF-PORT-FUS160V2
2	MF-FUS- XV2 (NH00)	00		X = (4-100), 125, 160			
3	MF-FUS-XV2 (NH0)	0		X = (6-100), 125, 160			
4	MF-FUS- XV2 (NH1)	1		X = 80, 100, 125, 160, 200, 224, 250			
5	MF-FUS-XV2 (NH2)	2		X = 125, 160, 200, 224, 250, 300, 315, 355, 400			
6	MF-FUS- XV2 (NH3)	3		X = 315, 355, 400, 425, 500, 630			
7	MF-FUS- XV2 (NH4)	4		X = 800, 1000, 1250			

5. Characteristic curve

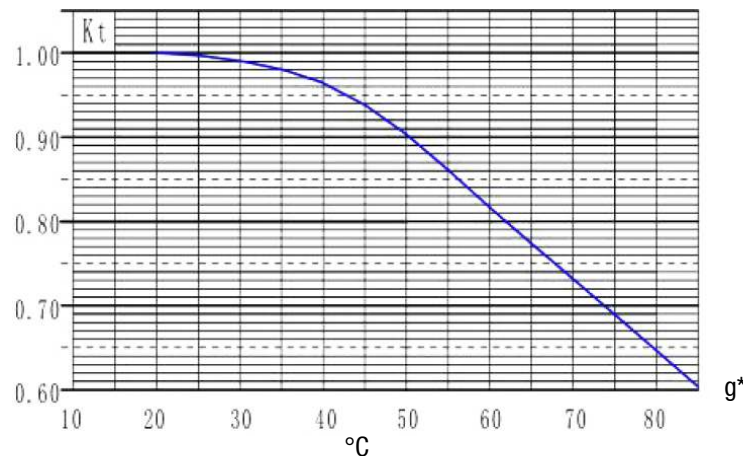




6. Conditions of Use

Normal use conditions and parameter correction

- The fuse works under the following normal use conditions and does not require additional correction.
- When the normal use conditions are exceeded, if it is within the allowable use conditions, it may be necessary to modify some parameters or consult. If it exceeds the allowable use condition range, you should consult our company, and carry out the work adaptability assessment and test of the conditions.
- It is recommended that the current value of long-term flow is not more than 90% of the rated current.



7. Atmospheric conditions

Normal working conditions

- The air is clean, and its relative humidity does not exceed 50% when the maximum temperature is 40°C.
- There may be a higher relative humidity at a lower temperature, for example, at 20°C, the relative humidity can reach 90%.
- Under these conditions, moderate condensation may happen occasionally due to temperature changes. Permissible working conditions.
- With no obvious condensation, the relative humidity can reach 95%.

8. Safe use and maintenance

- When the fuse is installed, the minimum gap between the live parts of two adjacent fuses meets the insulation requirements. If necessary, install an insulation partition between the fuses to prevent phase-to-phase short circuit when the fuse is replaced with power.
- Combine with the regular maintenance of electrical equipment, carry out inspection and maintenance, remove dust, oxide layer in contact with conductive parts, etc.
- Fuses with mechanical damage must be replaced.
- Unless the use requirements allow, such as a fuse-type load switch, do not replace the fuse with a load.

9. Shipment and storage

Shipment

- Rain and snow invasion and mechanical damage should be avoided during transportation.

Storage temperature

- Product storage temperature: $-40^{\circ}\text{C} \sim 120^{\circ}\text{C}$. The relative humidity is not more than 70% at 40°C , the relative humidity is not more than 80% at 30°C , and the relative humidity is greater than 90% when it is below 20°C .
- Packaging storage temperature: $-40^{\circ}\text{C} \sim 70^{\circ}\text{C}$, relative humidity is not more than 90%, no condensation.
- The warehouse is free of harmful gases, flammable and explosive materials and corrosive materials, and should not be subjected to strong mechanical vibration, shock and strong magnetic field.