

# Knife shaped contact fuse (single indication)



Product model	size	Rated voltage (V)	Rated current (A)	Rated breaking capacity (kA)	Breaking range and usage category	Rated dissipation power (W)	Single gross weight (kg)	Pieces/box	Gross weight/ Carton (kg)	
NT000	000	AC 690 AC 500	2	50kA(AC 690V) 120kA(AC 500V)	gG	1.5	0.13	135/45	18	
			4			1.6				
			6			1.7				
			8			2				
			10			2.3				
			16			2.4				
			20			2.5				
			25			3.3				
			32			3.9				
			40			5				
			50			5.5				
			63			6.5				
		80	7							
				AC 500	100			8.5		
					125			9		
					AC 400	160			10	

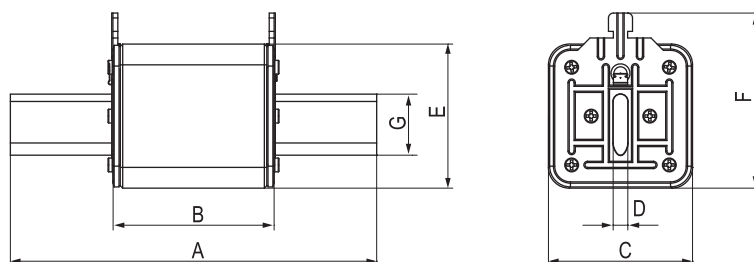
Product model	size	Rated voltage (V)	Rated current (A)	Rated breaking capacity (kA)	Breaking range and usage category	Rated dissipation power (W)	Single gross weight (kg)	Pieces/box	Gross weight/ Carton (kg)	
RT16-00 (NT00)	00	AC 690 AC 500 DC 440	2	50kA(AC 690V) 120kA(AC 500V) 100kA(DC 440V)	gG	1.5	0.18	108/36	20	
			4			1.6				
			6			1.7				
			8			2				
			10			2.3				
			16			2.4				
			20			2.5				
			25			3.3				
			32			3.9				
			40			5				
			50			5.5				
			63			6.5				
		80	7							
				AC 500	100			8.5		
					125			10		
						160			11	

# Knife shaped contact fuse (single indication)

Product model	size	Rated voltage (V)	Rated current (A)	Rated breaking capacity (kA)	Breaking range and usage category	Rated dissipation power (W)	Single gross weight (kg)	Pieces/box	Gross weight/ Carton (kg)
RT16-1 (NT1)	1	AC 690 AC 500 DC 440	40	50kA(AC 690V) 120kA(AC 500V) 100kA(DC 440V)	gG	5.5	0.4	54/18	23
			50			6.5			
			63			7.5			
			80			8			
			100			10			
			125			11			
			160			13			
			200			17			
			225			18.5			
			250			20			

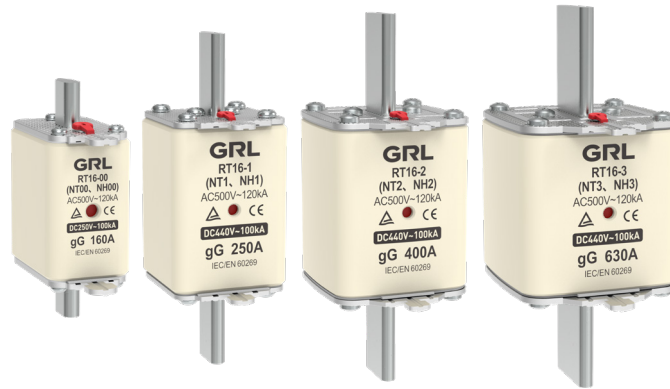
Product model	size	Rated voltage (V)	Rated current (A)	Rated breaking capacity (kA)	Breaking range and usage category	Rated dissipation power (W)	Single gross weight (kg)	Pieces/box	Gross weight/ Carton (kg)
RT16-2 (NT2)	2	AC 690 AC 500 DC 440	80	50kA(AC 690V) 120kA(AC 500V) 100kA(DC 440V)	gG	9	0.6	36 / 36	23
			100			10.5			
			125			12			
			160			14			
			200			17.5			
			250			20			
			315			26			
			350			28			
			400			32			

Product model	size	Rated voltage (V)	Rated current (A)	Rated breaking capacity (kA)	Breaking range and usage category	Rated dissipation power (W)	Single gross weight (kg)	Pieces/box	Gross weight/ Carton (kg)
RT16-3 (NT3)	3	AC 690 AC 500 DC 440	315	50kA(AC 690V) 120kA(AC 500V) 100kA(DC 440V)	gG	24	0.8	24 / 24	21
			400			32			
			500			40			
			630			42			



Product model	Overall dimensions mm						
	A	B	C	D	E	F	G
RNT000	78±0.5	49	21	6	42	51	15
RT16-00(NT00)	78±0.5	50	29	6	47	58	15
RT16-1(NT1)	134±0.5	66	46	6	46	60	20
RT16-2(NT2)	150±0.5	66	59	6	59	72	25
RT16-3(NT3)	150±0.5	66	68	6	68	87	32

# Knife shaped contact fuse (double indication)



Product model	size	Rated voltage (V)	Rated current (A)	Rated breaking capacity (kA)	Breaking range and usage category	Rated dissipation power (W)	Single gross weight (kg)	Pieces/box	Gross weight/ Carton (kg)
NH000	000	AC 690 AC 500	2	50kA(AC 690V) 120kA(AC 500V)	gG	1.5	0.18	135/45	18
			4			1.6			
			6			1.7			
			8			2			
			10			2.3			
			16			2.4			
			20			2.5			
			25			3.3			
			32			3.9			
			40			5			
			50			5.5			
			63			6.5			
			80			7			
			AC 500			100			
		AC 400	125	9					
			160	10					

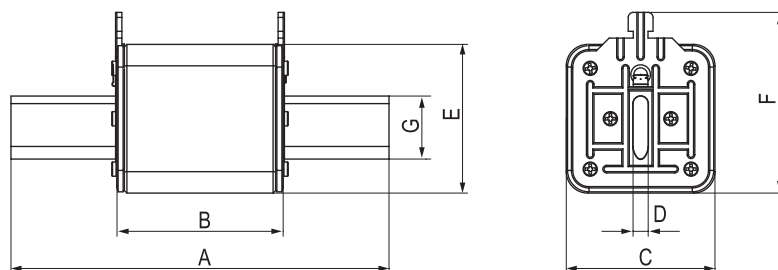
Product model	size	Rated voltage (V)	Rated current (A)	Rated breaking capacity (kA)	Breaking range and usage category	Rated dissipation power (W)	Single gross weight (kg)	Pieces/box	Gross weight/ Carton (kg)
NH00	00	AC 690 AC 500 DC 440	2	50kA(690V AC) 120kA(500V AC) 100kA(440V DC)	gG	1.5	0.18	108/36	20
			4			1.6			
			6			1.7			
			8			2			
			10			2.3			
			16			2.4			
			20			2.5			
			25			3.3			
			32			3.9			
			40			5			
			50			5.5			
			63			6.5			
			80			7			
						100			
			125	10					
			160	11					

# Knife shaped contact fuse (double indication)

Product model	size	Rated voltage (V)	Rated current (A)	Rated breaking capacity (kA)	Breaking range and usage category	Rated dissipation power (W)	Single gross weight (kg)	Pieces/box	Gross weight/ Carton (kg)
NH1	1	AC 690 AC 500 DC 440	40	50kA(AC 690V) 120kA(AC 500V) 100kA(DC 440V)	gG	5.5	0.4	54/18	23
			50			6.5			
			63			7.5			
			80			8			
			100			10			
			125			11			
			160			13			
			200			17			
			225			18.5			
			250			20			

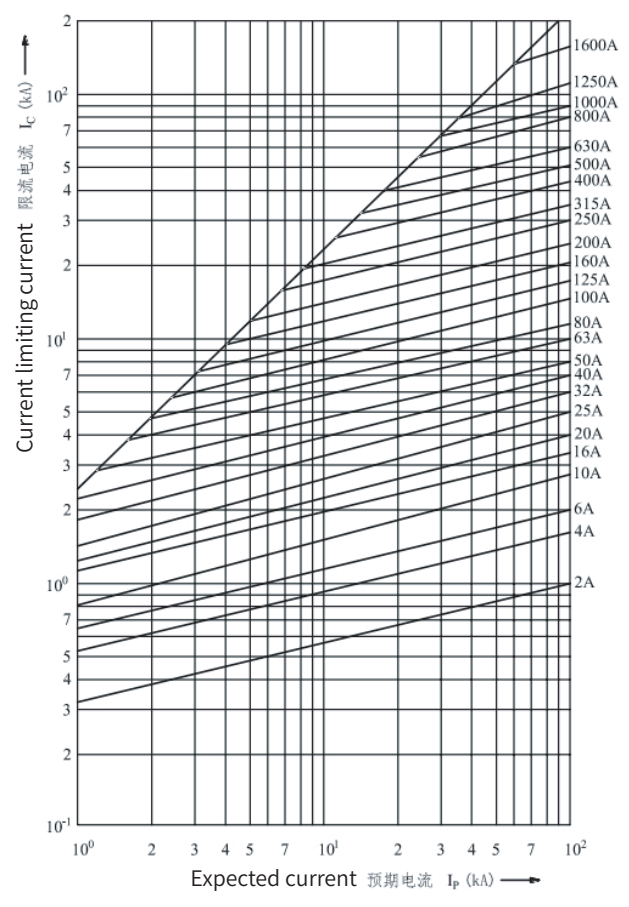
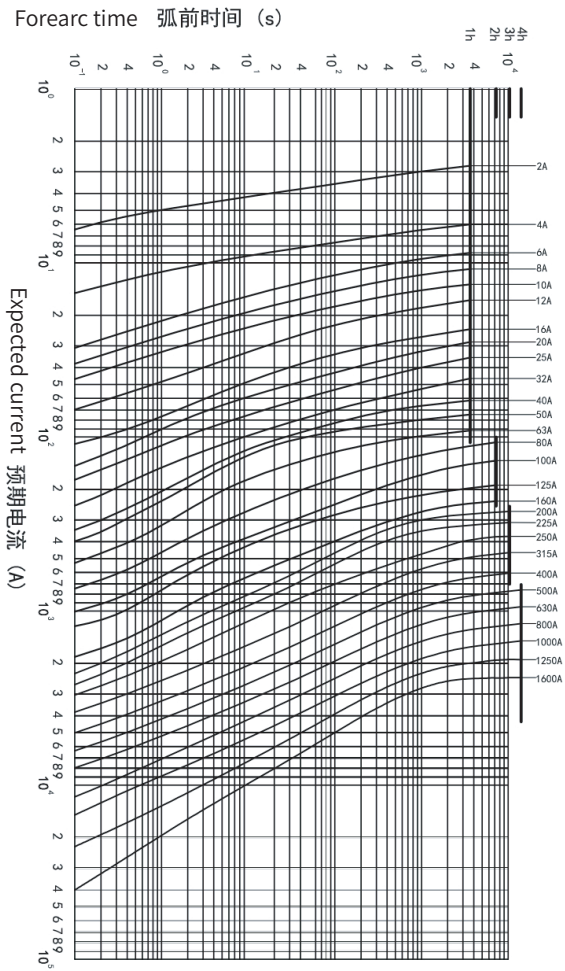
Product model	size	Rated voltage (V)	Rated current (A)	Rated breaking capacity (kA)	Breaking range and usage category	Rated dissipation power (W)	Single gross weight (kg)	Pieces/box	Gross weight/ Carton (kg)
NH2	2	AC 690 AC 500 DC 440	80	50kA(AC 690V) 120kA(AC 500V) 100kA(DC 440V)	gG	9	0.6	36/ 36	23
			100			10.5			
			125			12			
			160			14			
			200			17.5			
			250			20			
			315			26			
			350			28			
			400			32			

Product model	size	Rated voltage (V)	Rated current (A)	Rated breaking capacity (kA)	Breaking range and usage category	Rated dissipation power (W)	Single gross weight (kg)	Pieces/box	Gross weight/ Carton (kg)
NH3	3	AC 690 AC 500 DC 440	315	50kA(AC 690V) 120kA(AC 500V) 100kA(DC 440V)	gG	24	0.8	24/ 24	21
			400			32			
			500			40			
			630			42			



Product model	Overall dimensions mm						
	A	B	C	D	E	F	G
NH000	78±0.5	49	21	6	42	51	15
NH00	78±0.5	50	29	6	47	58	15
NH1	134±0.5	66	46	6	46	60	20
NH2	150±0.5	66	59	6	59	72	25
NH3	150±0.5	66	68	6	68	87	32

# Fuse curve diagram



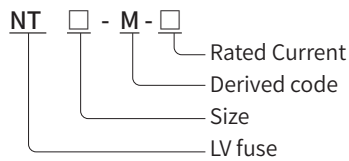
# NT□-M Fuse Link with Knife-type Contact



## Basic parameters of fuse links

Item No.	Size	Rated Voltage(V)	Rated Current(A)	Rated Breaking Capacity(kA)
NT00-M-2	00	AC 800	2	30
NT00-M-4			4	
NT00-M-6			6	
NT00-M-8			8	
NT00-M-10			10	
NT00-M-16			16	
NT00-M-20			20	
NT00-M-25			25	
NT00-M-32			32	
NT00-M-40			40	
NT00-M-50			50	
NT00-M-63			63	
NT1-M-4	1	AC 800	4	100
NT1-M-6			6	
NT1-M-8			8	
NT1-M-10			10	
NT1-M-16			16	
NT1-M-20			20	
NT1-M-25			25	
NT1-M-32			32	
NT1-M-40			40	
NT1-M-50			50	
NT1-M-63			63	
NT1-M-80			80	
NT1-M-100	100			
NT1-M-125	125			
NT1-M-160	160			
NT3-M-160	3	AC 800	160	100
NT3-M-200			200	
NT3-M-250			250	
NT3-M-300			300	
NT3-M-315			315	

## Model and meaning



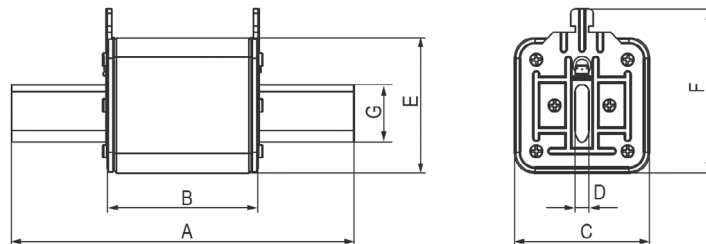
## Product Description

suitable for AC system, rated current 2A~315A, used for overload and short circuit protection for low voltage turnkey solution equipment.

The product performance in line with GB/T 13539.2 / IEC 60269-2  
Breaking range and use category: gG

## Overall&Installation Dimension

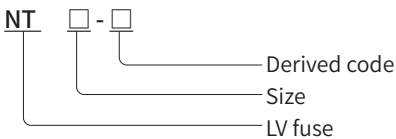
Item No.	Overall&Installation Dimension (mm)						
	A±1.5	B±1	C±1	D	E±1	F±2	G
NT00-M	78	50	29	6	47	58	15
NT1-M	134	66	46	6	46	60	20
NT3-M	150	66	68	6	68	87	32



# NT□-P Fuse Link with Knife-type Contact



## Model and meaning



## Product Description

suitable for AC Voltage 1140V, rated current 2A~315A, used for overload and short circuit protection for low voltage turnkey solution equipment.

The product performance in line with GB/T 13539.2 / IEC 60269-2  
Breaking range and use category: gG

## Normal working conditions

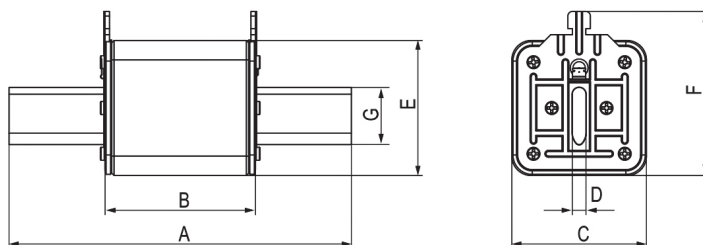
- Working temperature range (Tj): -40°C ~ 60°C .
- Altitude: 5000m.

## Basic parameters of fuse links

Item No.	Size	Rated Voltage(V)	Rated Current(A)	Rated Breaking Capacity(kA)
NT0-P-2	0	AC 1140	2	80
NT0-P-4			4	
NT0-P-6			6	
NT0-P-8			8	
NT0-P-10			10	
NT0-P-16			16	
NT0-P-20			20	
NT0-P-25			25	
NT0-P-32			32	
NT1-P-6			1	
NT1-P-10	10			
NT1-P-16	16			
NT1-P-20	20			
NT1-P-25	25			
NT1-P-32	32			
NT1-P-40	40			
NT1-P-50	50			
NT1-P-63	63			
NT1-P-80	80			
NT1-P-100	100			
NT1-P-125	125			
NT1-P-160	160			
NT3-P-100	3	AC 1140	100	80
NT3-P-125			125	
NT3-P-160			160	
NT3-P-200			200	
NT3-P-224			224	
NT3-P-250			250	
NT3-P-315	315			

## Overall&Installation Dimension

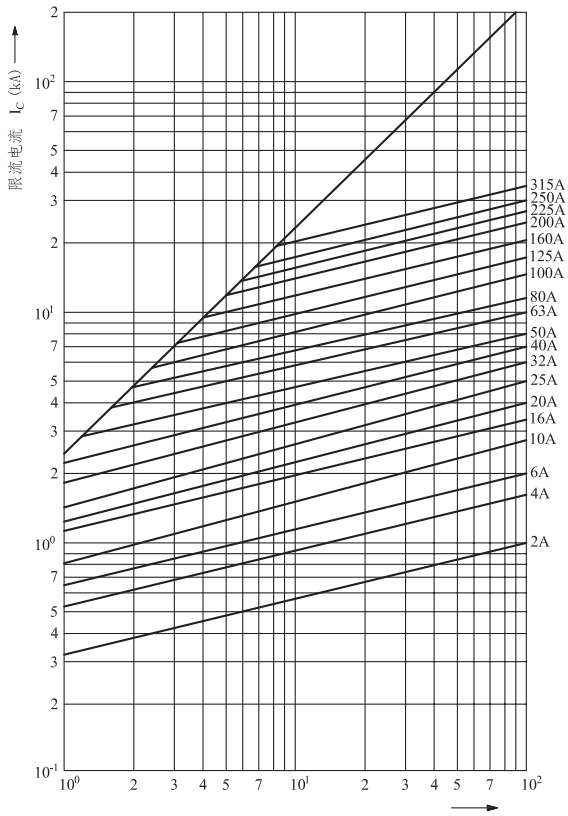
Item No.	Overall&Installation Dimension (mm)						
	A	B	C	D	E	F	G
NT0-P	125	64	29	6	47	58	15
NT1-P	134	66	46	6	46	60	20
NT3-P	150	66	68	6	68	87	32



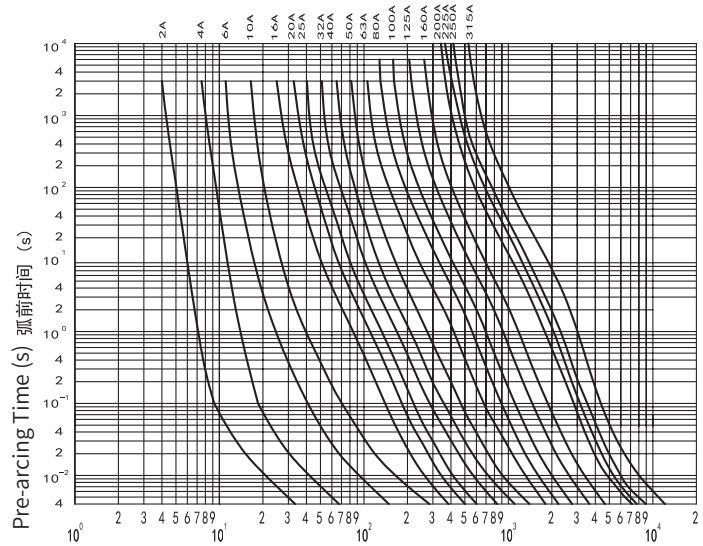
# NT□-MFuse Link with Knife-type Contact

## NT□-PFuse Link with Knife-type Contact

### Graph



Prospective current  $I_p$  (kA)  
cut-off current characteristic curve



Prospective current (A)  
Time Current characteristic curve



# NH1-PRB Low Voltage Fuse

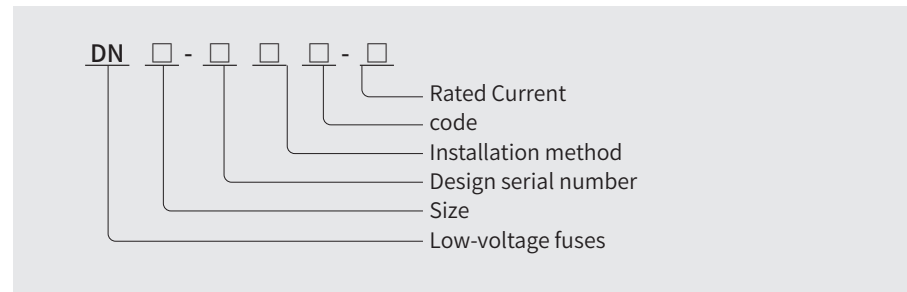


## Product Description

suitable for AC system, rated voltage is 1140V, rated current 2A~315A, used for overload and short circuit protection for low voltage turnkey solution equipment.

Rated Voltage	AC 1140V
Rated Current	50A,63A,80A,100A,125A,160A,200A,250A
Protection Category	gG
Breaking Capacity	AC 100kA
Reference Standard	GB/T 13539.2 IEC 60269-2

## Model and meaning



## Product parameter

Model No.	size	Rated voltage (V)	Rated current (A)	Rated breaking capacity (kA)	Pre-Arcing I <sup>2</sup> t kA <sup>2</sup> s	Pre-Arcing I <sup>2</sup> t kA <sup>2</sup> s	Rated Power dissipation(W)
NH1-PRB-50	1	AC 1140	50	100	3	105	14
NH1-PRB-63			63		5.5	170	16
NH1-PRB-80			80		9.8	215	17
NH1-PRB-100			100		18	510	20
NH1-PRB-125			125		27	730	25
NH1-PRB-160			160		58	1050	31
NH1-PRB-200			200		106	1150	38
NH1-PRB-250			250		153	1280	45

## Installation

Installation: Bolt  
Bolt Size: M8  
Titure: 11±1N·m

## Normal working conditions

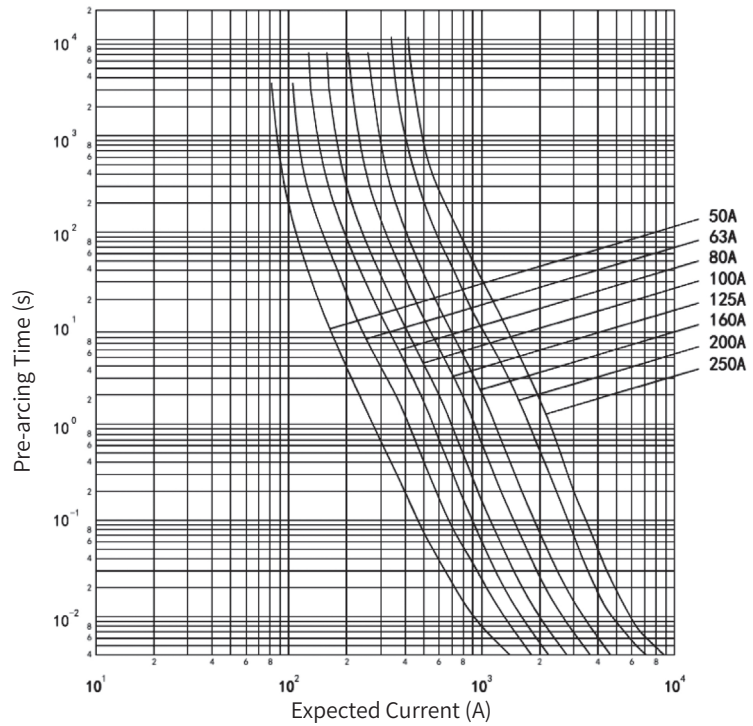
- Working humidity range: When the maximum temperature is 40°C, the relative humidity does not exceed 50%. When the maximum temperature is 20°C, the relative humidity does not exceed 90%.
- Temperature range for Normal working : -5°C~40°C. Temperature range -40°C~80°C is allowed for application.
- Salt spray: GB/T 2423.17, t=24h.
- Altitude: not more than 2000m. When the altitude exceeds this value:
  - For every 100m increase in altitude, the temperature rise of the fuse increases by approximately 0.5K.
  - For every 100m increase in altitude, the ambient temperature decreases by about 0.5°C on average.
  - In general, fuses used in open environments, the effect of altitude on rated current can be overlooked and the standard for fuse selection remains.
  - For fuses used in closed environments, if the ambient air temperature or the temperature inside the box does not decrease significantly with increasing altitude, If the temperature can still reach above 40°C, the rated current needs to be reduced. The formula for selecting the rated current of the fuse is:

$$I = I_n \times \left(1 - \frac{h-2000}{100} \times \frac{0.5}{100}\right)$$

- Flame retardant requirements (for combustible materials including plastics): Flame retardant grade (UL94) V-0.

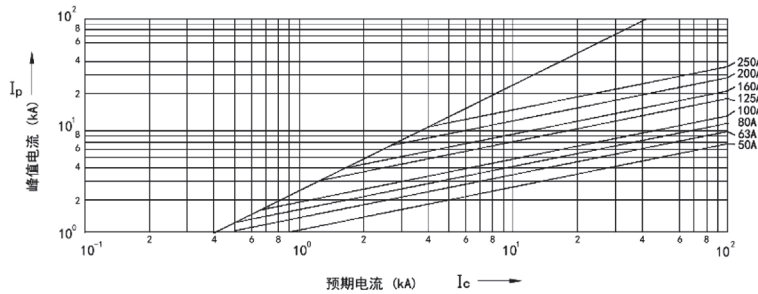
# NH1-PRB Low Voltage Fuse

Time Current characteristic curve



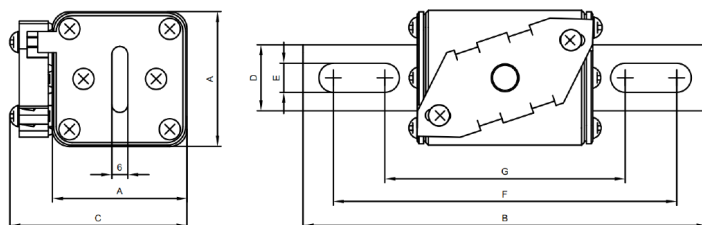
Note: The deviation range of the time-current curve is:  $\pm 10\%$  of the current

Cut-off current characteristic curve



## Overall&Installation Dimension

尺码	Overall&Installation Dimension (mm)						
	A $\pm 1.5$	B $\pm 3$	C $\pm 2$	D	E	F $\pm 2.5$	G $\pm 2.5$
1	51	170	67	25	9	148	128



# NH2-PRB Low Voltage Fuse

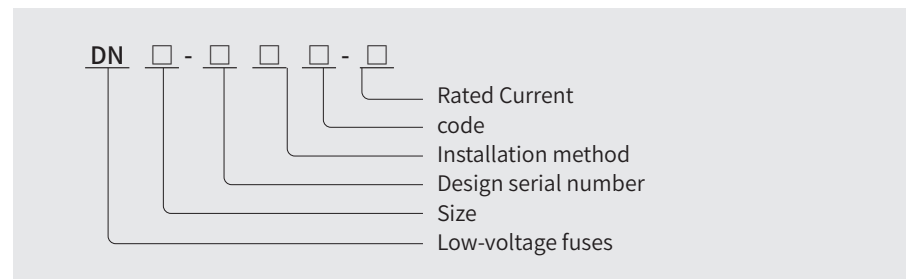


## Product Description

NH2-PRB fuse suitable for AC system, rated voltage 1140V, rated current 160A~400A, used for overload and short circuit protection for low voltage turnkey solution equipment.

Rated Voltage	AC 1140V
Rated Current	160A,200A,250A,315A,350A,400A
Protection Category	gG
Breaking Capacity	AC 100kA
Reference Standard	GB/T 13539.2 IEC 60269-2

## Model and meaning



## Product parameter

Model No.	size	Rated voltage (V)	Rated current (A)	Rated breaking capacity (kA)	Pre-Arcing I <sup>2</sup> t kA <sup>2</sup> s	Pre-Arcing I <sup>2</sup> t kA <sup>2</sup> s	Rated Power dissipation(W)
NH2-PRB-160	2	AC 1140	160	100	58	1050	38
NH2-PRB-200			200		106	1150	40
NH2-PRB-250			250		153	1280	45
NH2-PRB-315			315		242	1302	55
NH2-PRB-350			350		343	1600	60
NH2-PRB-400			400		430	2000	65

## Installation method

Installation: Bolt  
Bolt Size: M10  
Tolerance: 21 ± 1N · m

## Normal working conditions

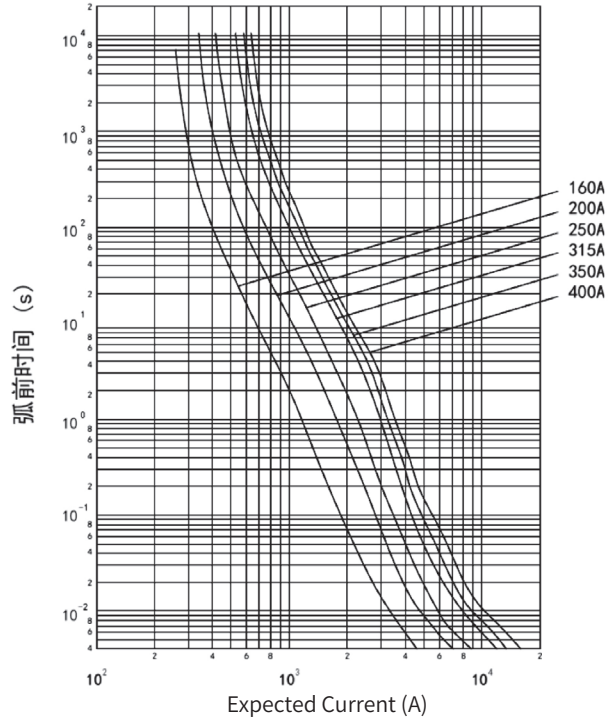
- Working humidity range: When the maximum temperature is 40°C, the relative humidity does not exceed 50%. When the maximum temperature is 20°C, the relative humidity does not exceed 90%.
- Temperature range for Normal working : -5°C~40°C. Temperature range -40°C~80°C is allowed for application.
- Salt spray: GB/T 2423.17, t=24h.
- Altitude: not more than 2000m. When the altitude exceeds this value:
  - For every 100m increase in altitude, the temperature rise of the fuse increases by approximately 0.5K.
  - For every 100m increase in altitude, the ambient temperature decreases by about 0.5°C on average.
  - In general, fuses used in open environments, the effect of altitude on rated current can be overlooked and the standard for fuse selection remains.
  - For fuses used in closed environments, if the ambient air temperature or the temperature inside the box does not decrease significantly with increasing altitude, if the temperature can still reach above 40°C, the rated current needs to be reduced. The formula for selecting the rated current of the fuse is:

$$I = I_n \times \left(1 - \frac{h-2000}{100} \times \frac{0.5}{100}\right)$$

- Flame retardant requirements (for combustible materials including plastics): Flame retardant grade (UL94) V-0.

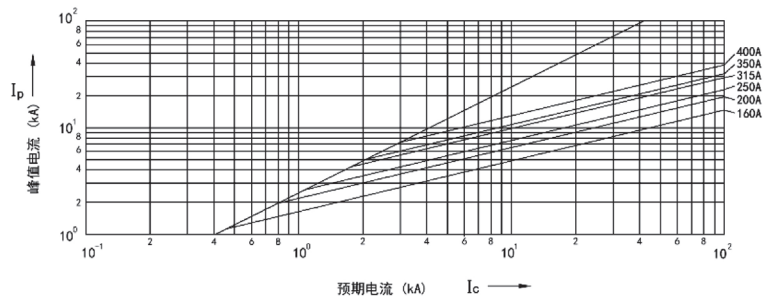
# NH2-PRB Low Voltage Fuse

## Time-current characteristic curve



Note: The deviation range of the time-current curve is:  $\pm 10\%$  of the current

## Cut-off current characteristic curve



## Overall&Installation Dimension

尺码	Overall&Installation Dimension (mm)						
	A $\pm 1.5$	B $\pm 3$	C $\pm 2$	D	E	F $\pm 2.5$	G $\pm 2.5$
2	60	192	76	32	11	170	146

