CHNT 正泰
Low Voltage Fuse

Type Selection Manual for Fuses Used in Communication Industry

Version Number

ZTF-001

25-09-2013

Type Selection Guide

The main function of a fuse link is to cut off the circuit safely and reliably in case of a failure to protect the discrete components and the entire circuit. The conditions to be taken into consideration in the selection of fuse link are provided as follows:

Normal operating conditions and mounting conditions

Ambient temperature: −35℃～+70℃

Altitude: The current correction coefficients at different altitudes are given in the following table:

Altitude	≤2000m	2000m ~ 3000m	≥3000m	Example
Current correction coefficient	1	0.9	0.8	When a product with a rated current of 10A is derated at an altitude of 2500m, the rated current is 0.9X10=9A.

Atmospheric conditions: Humidity: The relative air humidity at the mounting location should not exceed50% at the maximum temperature of +40℃. The relative humidity may be higher at the lowest temper-ature. In the most humid month, the monthly mean minimum temperature should not exceed +25℃, the monthly mean maximum relative humidity should not exceed 90%. Measures must be takenif condensation occurs on the product due to temperature variation.

Pollution degree: III

Mounting category: III

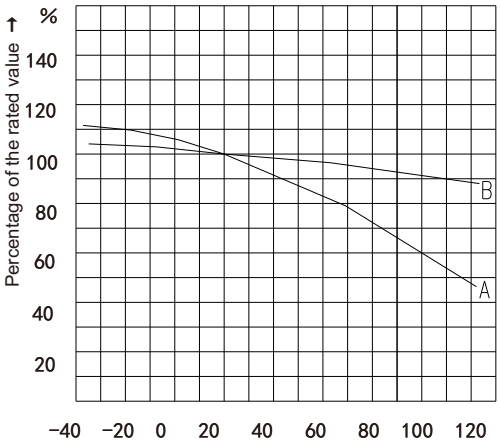
Ambient temperature

Ambient temperature means the air temperature around the fuse link. It should not be confused with room temperature. In many applications, the temperature of the fuse link is very high. This is because the fuse link is located in holders or bases of different structures and the enture fuse is enclosed in the distribution/control cabinet.

Derating

At the ambient temperature of 20℃, it is suggested that the actual operating current of the fuse link should not exceed the rated current. In the selection of the fuse link, the variations of the environmental and ope−rating conditions, such as the degree of closure, the air flow, te dimensions (length, cross section) of the connection cable, and the transient peak value, should be taken into consideration. The current carrying capacity test of the fuse link is carried out at the ambient temperatureof 20 ℃In the actual application, the fuse link is affected by the variation of the ambient temperature. The higher the ambient temperature, the higher the operating temperature of the fuse link, and the shorterthe life. On the contrary, operating at a lowertemperature will increase the life of the fuse link.

The typical curve of the influence of the ambient temperature on the current carrying capacity is shown in the following figure.



Ambient temperature – carrying capacity curve

Example: For a specific application, if the ambient temperature is 20℃, a common (gG type) fuse link with a rated current of In＝63A is selected. If this fuse link is used at a high temperature of 70℃, it must be derated. From Curve A in the left figure, we can see that at the temperature of 70℃, the percentage of the rated value is 0.78. To prevent the misoperation of the fuse link, the rated current of the fuse link should be reselected: In=63A/0.78 =80.77A
According to the standard current class of the fuse link, In=80A is selected.

Where: Curve A: the curve of the common (gG) fuse link used for line protection;

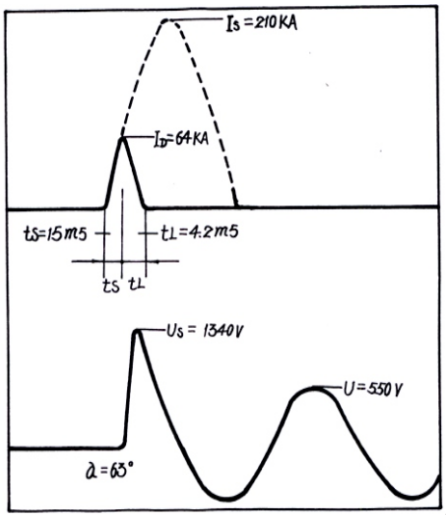
Curve B: the curve of the quick (aR) fuse used for the protection of semiconductor devices.

Misoperation

Generally, misoperation is caused by the incomplete analysis of the circuit designed. Among“the factors to be taken into consideration in the selection of fuse link”, special attention must be paid to items 1, 3 and 6, i.e. normal operating current, ambient temperature and overload. For example, a common cause of misoperation in routine operation is that full consideration is not given to such factors as the starting current of the motor circuit, the surge current and harmonic current of the capacitor circuit and the air temperature around the fuse link.

Rated breaking capacity

Rated breaking capacity is the maximum permissible short circuit current at which the fuselink can blow reliably under the rated voltage. When a short circuit occurs, a transient current which is muchbigger than the normal operating current passes through the fuse link.Safe operation requires that the fuse link should remain complete (without bursting) when the circuit is cut off. The fuse links of our company have a rated breaking capacity of 120kA. Reliable current limiting characteristic pre-vents the equipment in the electric circuit from being damaged by the electrodynamic force.



Oscillogram of the current limiting characteristic of the fuse link

where: I_s – maximum asymmetric peak current at the prospective current Ip of 100kA (effectivevalue) (the impulse factor in the short circuit is 1.5)

I_D - actual current at the time of breaking (breaking current)

US - arc voltage

U - supply voltage

t_s - melting time

t_L - arcing time

α - arcing angle after voltage zero-crossing

Fuse link holder (fuse base)

In many applications, the fuse link is mounted on the fuse link holder/base, which is not used as a switch to connect or disconnect the load.

Factors to be taken into consideration in the selection of fuse link:

1. Normal operating current;
2. Operating voltage;
3. Ambient temperature;
4. Overload current and the time in which the fuse link must blow;
5. The fault current which may occur;
6. Pulse, impulse current, surge current, harmonic current, starting current and circuit process transient;
7. Structural dimensions, connection mode, visual indication (blow or not), etc.

CRT36-00
Series DC Fuse

1 Scope of application

CRT36-00 type DC fuse is used as short circuit protection in distribution lines with a rated voltage of not greater than DC80V, a rated current of not greater than 600A and a rated short circuit capacity of not greater than 25kA.
CRT36-00 series is a miniature fuse series with large capacity, low power consumption and high current limiting capability developed by Chint Electric for the communication industry. It is mainly used for the distribution systems, such as power supply cabinets and distribution cabinets, of the communication industry. This series is made from high quality materials and has been tested strictly by some well-known manufacturers in the communication industry.

The main materials of the base are DMC resin and T3 red copper; the main materials of the fuse link are high frequency porcelain, alumina porcelain and T3 red copper.

Breaking range and usage category: gS.

This product complies with the standards GB 13539.1, GB/T13539.4, IEC60269-1 and IEC60269-4 and the EU RoHS environmental protection requirements and has passed relevant national and international certifications, including CCC, TUV and CE.

2 Type designation

2.1 Type designation of the fuse base

H C R T 36 - 00 / □

- Rated current of the base (160A/250A/600A or 400A)
- Size
- Design code
- Knife contact
- Fuse
- For communication industry
- Holder or base (note 1)

2.2 Type designation of the fuse link

C R T 36 - 00 / □

- Rated current of the fuse link
- Size
- Design code
- Knife contac
- Fuse For communication industry

Note 1: The identification code “H” is only used when bases are ordered by the customer. “H” is not indicated on the certificate and the product.

3 Normal operating conditions and mounting conditions

3.1 Ambient temperature：-35℃～+40℃

3.2 Atmospheric conditions: Humidity: The relative air humidity at the mounting location should notexceed 50% at the maximum temperature of +40℃. The relative humidity may be higher at the lowest temperature. In the most humid month, the monthly mean minimum temperature should not exceed +25℃, the monthly mean maximum relative humidity should not exceed 90%. Measures must be taken if condensation occurs on the product due to temperature variation.

3.3 Pollution degree：3

3.4 Mounting category：III

3.5 The altitude of the mounting location should not exceed 2000m

3.6 Please consult with the manufacturer if the service conditions are different from those listed above

4 Main parameters and technical characteristics

4.1Main technical parameters (see Table 1)

Table 1

Model	Rated voltage (DC) V	Breaking capacity (kA)	Rated dissipation power (W)	Temperature rise (K)	Rated current (A)
CRT36-00	80	25	≤30	≤70	2, 4, 6, 10, 16, 20, 25, 32, 35, 40, 50, 63, 80, 100, 125, 160, 200 224, 250, 300, 315, 355, 400, 425, 500, 600

4.2Conventional fusing current and conventional non-fusing current (see Table 2)

Table 2

Rated current (A)	Conventional time (h)	Conventional non-fusing current Inf(A)	Conventional fusing current If (A)
In≤4	1	1.5In	2.1In
4<In< 16	1	1.5In	1.9In
16≤In≤63	1	1.25In	1.6In
63< In≤160	2	1.25In	1.6In
160<In≤400	3	1.25In	1.6In
400 ≤In	4	1.25In	1.6In

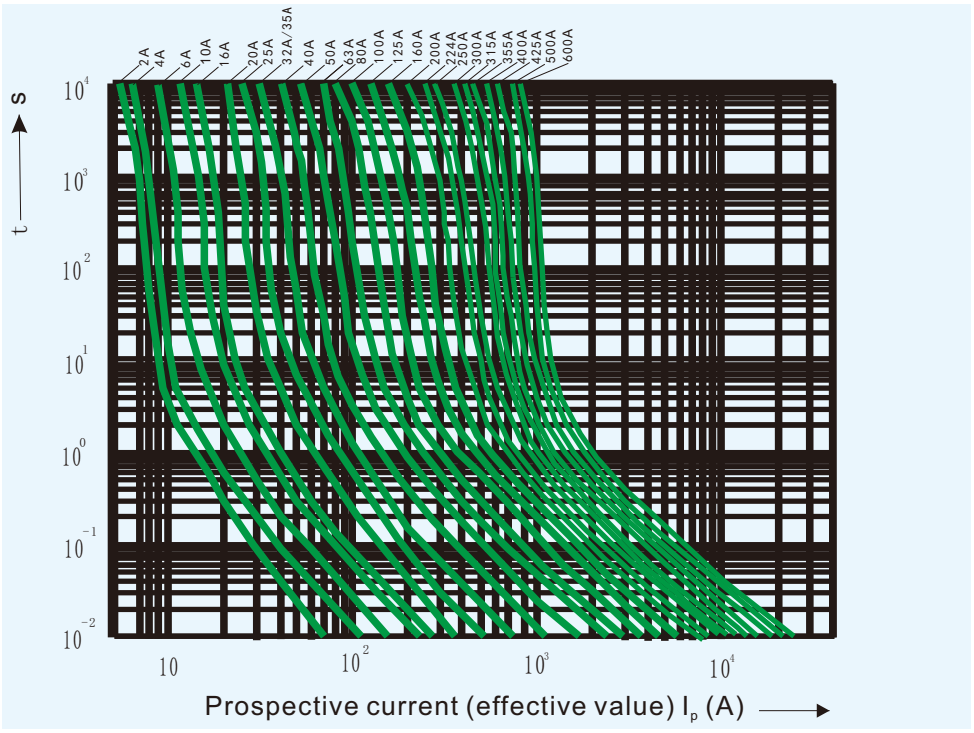
CRT36-00
Series DC Fuse

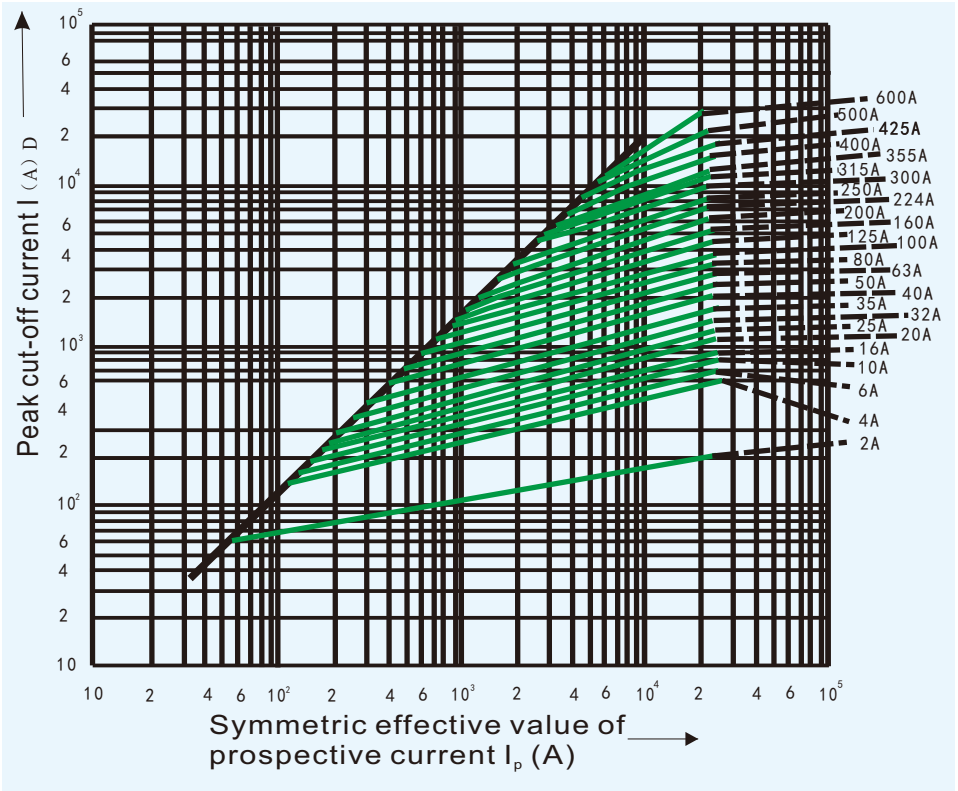
4.3Size code and electrical and mechanical parameters of the base (see Table 3)

Table 3

Model of the base	CRT36-00 160A	CRT36-00 250A	CRT36-00 600A(400A)
Cartridge number of matching fuse link	00	00	00
Rated current (A)	2A~160A	200A~250A	300A~600A
Rated voltage (V)	DC80V	DC80V	DC80V
Size of terminal thread Tightening torque of	M8	M8/M10	M10/M12
terminal bolt (N.m)	11	11/21	21/38
Recommended cross-sectional area of copper conductor (mm^2)	70	120	400

4. 4 Characteristic curve





CRT36-00

Series DC Fuse

5 Overall dimensions (Figures 1, 2, 3, 4)

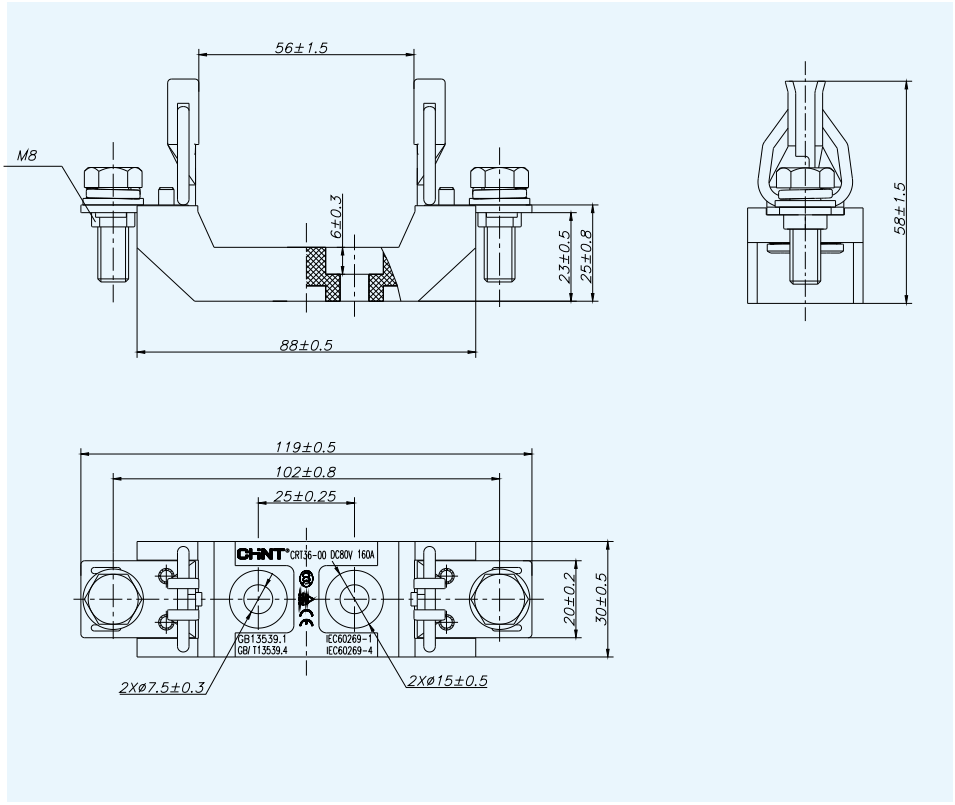


Figure 1 Overall dimensions of CRT36-00 160A base

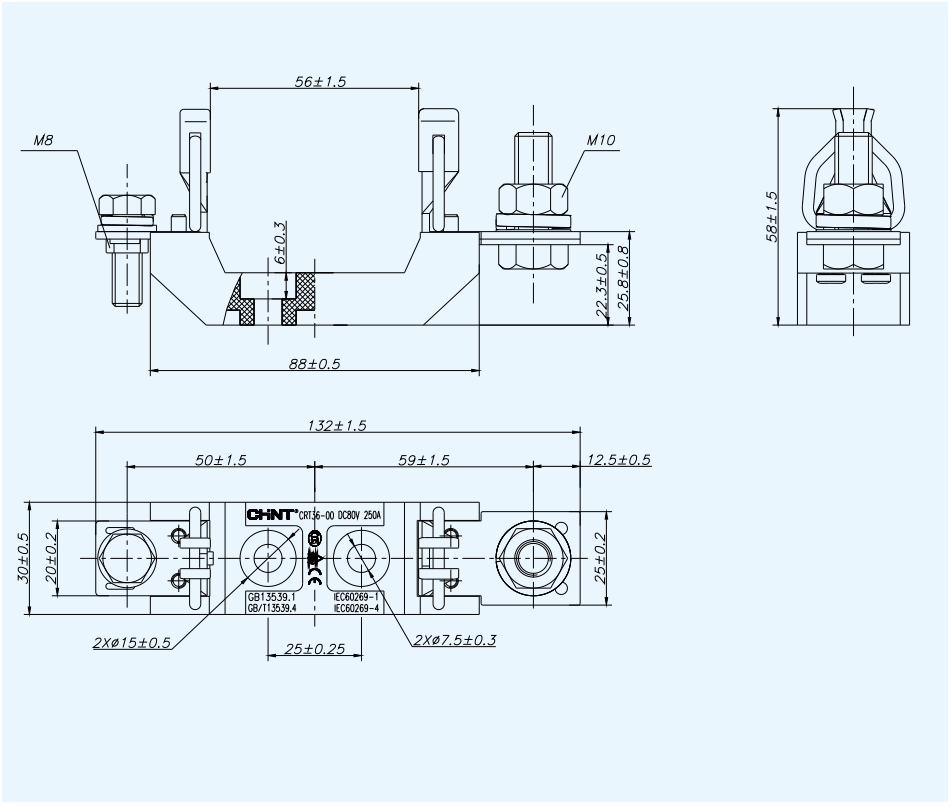


Figure 2 Overall dimensions of CRT36-00 250A base

CRT36-00

Series DC Fuse

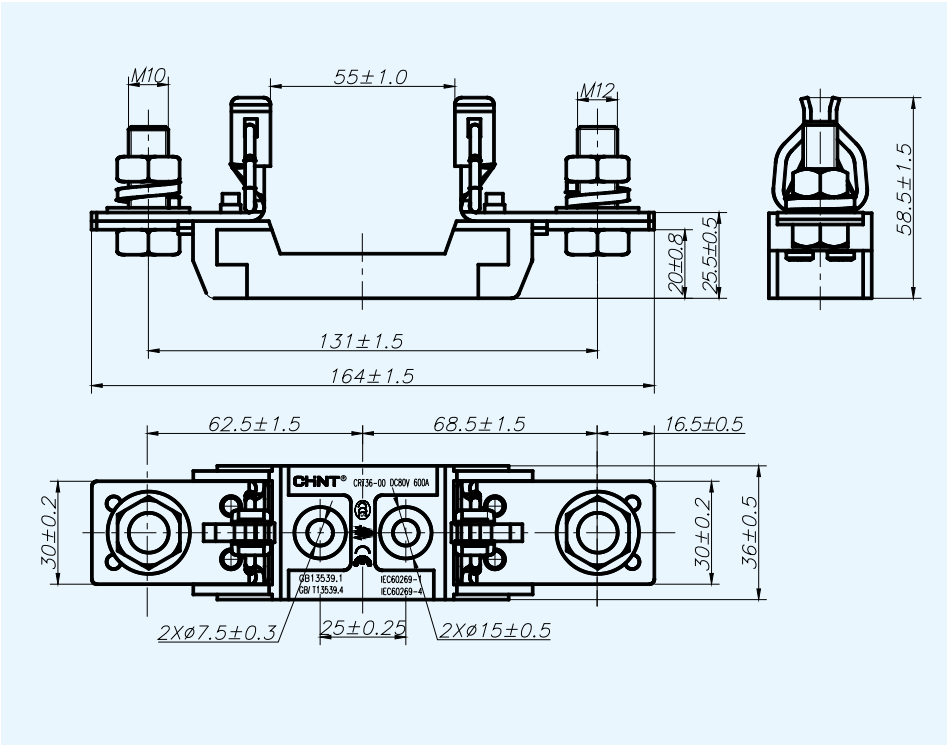


Figure 3 Overall dimensions of CRT36-00 600(400)A base

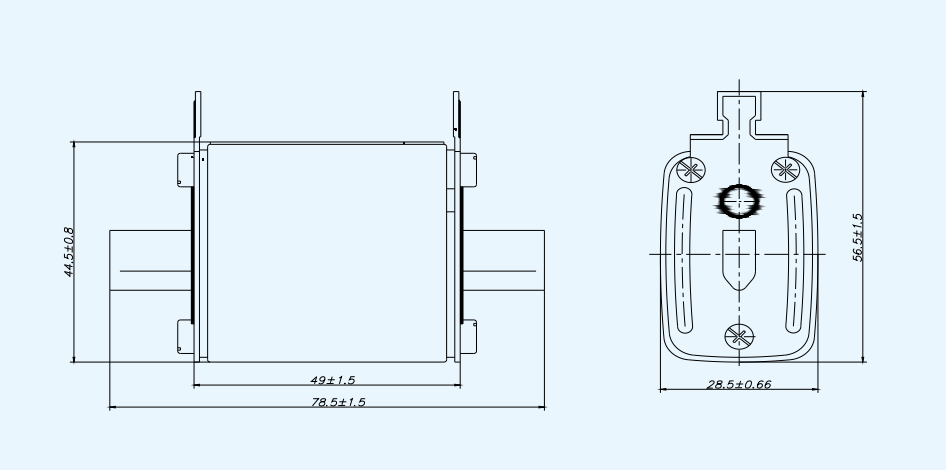


Figure 4 Overall dimensions of CRT36-00 600A fuse link

6 Ordering information

6.1 The following information must be given upon ordering:

6. 1. 1 For fuse links, the product model, rated current and quantity should be given.

6. 1. 2 For bases, the model should be given and “holder”, the number of poles and the order quantity should be indicated.

6. 2 Example of order

Ordering 100 pieces of CRT36-00/160A represents ordering 100 pieces of model CRT36-00fuse links with a rated current of 160A.

Ordering 100 pieces of HCRT36-00/160A bases represents ordering 100 pieces of model CRT36-00 fuse bases with a rated current of 160A..

RT36

Series Knife-Contact Fuse

RT36N-00 base　　Matching RT36-00 fuse link

RT36N-1 base　　Matching RT36-1 fuse link

RT36N-2 base　　Matching RT36-2 fuse link

1 Scope of application

Rt36 knife-contact fuse is used in distribution lines with a voltage of up to AC 690V or DC 440V, a ratedcurrent of up to 1250A and a rated breaking capacity of up to 120KA.It is a new type of fuse designed byChint Electric for the communication industry. It features small volume, light weight, low power consumption and high breaking capacity, and is widely used for the overload proteciton and short circuit protection of electric equipment. The model of the fuse base is RT36N, and the mode l of the fuse link is Rt36..

The main materials of the base (RT36N) are DMC resin and T3 red copper, and the main materials of the fuse link (RT36) are high frequency porcelain and T3 red copper.

This product complies with the standards GB13539 and IEC 60269 and has passed relevant national and international certifications, including CCC, TUV and CE. Its technical indexes have reached the international advanced level.

This series is of “gG” type, a general-purpose fuse with full-range breaking capacity.

2 Type designation

2.1 Type designation of the fuse base

RT 36 N −□/□

- Rated current of the fuse base
- Size
- Fuse base (NEW)
- Design sequence No
- Code of powder-filled cartridge

2.2 Type designation of the fuse link

RT 36 −□/□

- Rated current ofthe fuse link
- Size
- Design sequence No.
- Code of powder-filled cartridge

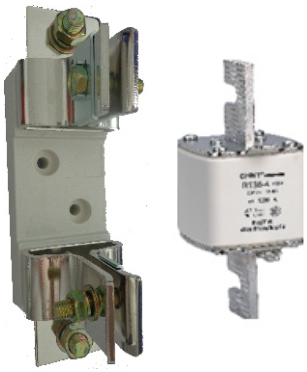
3 Main parameters and technical characteristics

Specification	Rated current (A)	Rated voltage (V)	Rated power (W)	Weight (kg)	Breaking capacity (kA)
RT36-00	4	AC500/AC690/DC250	1. 5	0. 155	120/50/100
	6	AC500/AC690/DC250	1. 6	0. 15	120/50/100
	10	AC500/AC690/DC250	1. 7	0. 15	120/50/100
	16	AC500/AC690/DC250	2. 0	0. 15	120/50/100
	20	AC500/AC690/DC250	2. 5	0. 15	120/50/100
	25	AC500/AC690/DC250	3. 1	0. 15	120/50/100
	32	AC500/AC690/DC250	3. 5	0. 15	120/50/100
	36	AC500/AC690/DC250	3. 8	0. 15	120/50/100
	40	AC500/AC690/DC250	4. 0	0. 15	120/50/100
	50	AC500/AC690/DC250	5. 3	0. 15	120/50/100
	63	AC500/AC690/DC250	6. 1	0. 15	120/50/100
	80	AC500/AC690/DC250	6. 9	0. 15	120/50/100
	100	AC500/AC690/DC250	10. 0	0. 15	120/50/100
	125	AC500/AC690/DC250	9. 6	0. 15	120/50/100
	160	AC500/AC690/DC250	12. 0	0. 2	120/50/100
RT36-1	80	AC500/AC690/DC440	8. 35	0. 2	120/50/100
	100	AC500/AC690/DC440	12. 05	0. 2	120/50/100
	125	AC500/AC690/DC440	13. 46	0. 2	120/50/100
	160	AC500/AC690/DC440	16. 53	0. 36	120/50/100
	200	AC500/AC690/DC440	20. 8	0. 36	120/50/100
	224	AC500/AC690/DC440	22. 69	0. 36	120/50/100
	250	AC500/AC690/DC440	23. 0	0. 36	120/50/100
RT36-2	125	AC500/AC690/DC440	21. 7	0. 36	120/50/100
	160	AC500/AC690/DC440	22. 7	0. 36	120/50/100
	200	AC500/AC690/DC440	26. 8	0. 36	120/50/100
	250	AC500/AC690/DC440	28. 9	0. 85	120/50/100
	300	AC500/AC690/DC440	32. 0	0. 85	120/50/100
	315	AC500/AC690/DC440	32. 45	0. 85	120/50/100
	355	AC500/AC690/DC440	33. 66	0. 85	120/50/100
	400	AC500/AC690/DC440	34. 0	0. 85	120/50/100
RT36-3	315	AC500/AC690/DC440	34. 45	0. 85	120/50/100
	355	AC500/AC690/DC440	35. 96	0. 85	120/50/100
	400	AC500/AC690/DC440	38. 09	0. 85	120/50/100
	425	AC500/AC690/DC440	40. 20	0. 85	120/50/100
	500	AC500/AC690/DC440	45. 23	0. 85	120/50/100
	630	AC500/AC690/DC440	48. 0	0. 85	120/50/100
RT36-4	800	AC 500/DC440	75. 08	1. 95	120/100
	1000	AC 500/DC440	90. 0	1. 95	120/100
	1250	AC 500/DC440	110	2. 56	120/100

RT36

Series Knife-Contact Fuse

RT36N-3 base　　Matching RT36-3 fuse link



RT36N-4 base　　Matching RT36-4 fuse link

4 Overall and mounting dimensions

4.1 Dimensions of the fuse link。

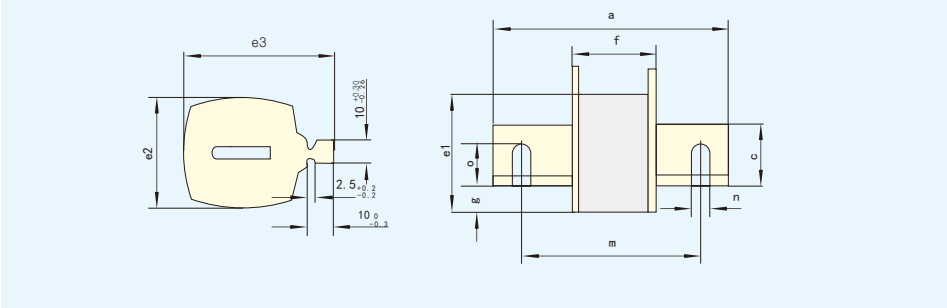


Figure 1 Overall dimensions of the fuse link

Dimension	RT36-00	RT36-1	RT36-2	RT36-3	RT36-4
a	78. 5±1. 5	135±2. 5	150±2. 5	150±2. 5	200
c	14. 9	20. 5±0. 5	26±0. 33	32±0. 25	50±0. 45
e1	44. 5±0. 8	48±1. 5	58±1. 3	67±2. 0	96±2. 0
e2	28. 5±0. 66	48±1. 0	58±1. 3	67±1. 6	88±1. 9
e3	56. 3±1. 5	62±1. 5	72±1. 5	84. 5±1. 75	112± 1. 75
f	49± 1. 5	68±2. 5	68±2. 5	68±2. 5	79±2. 5
m	–	–	–	–	150±2. 5
n	–	–	–	–	15±0. 5
o	–	–	–	–	32±0. 5

4.2 Dimensions of the fuse holder.

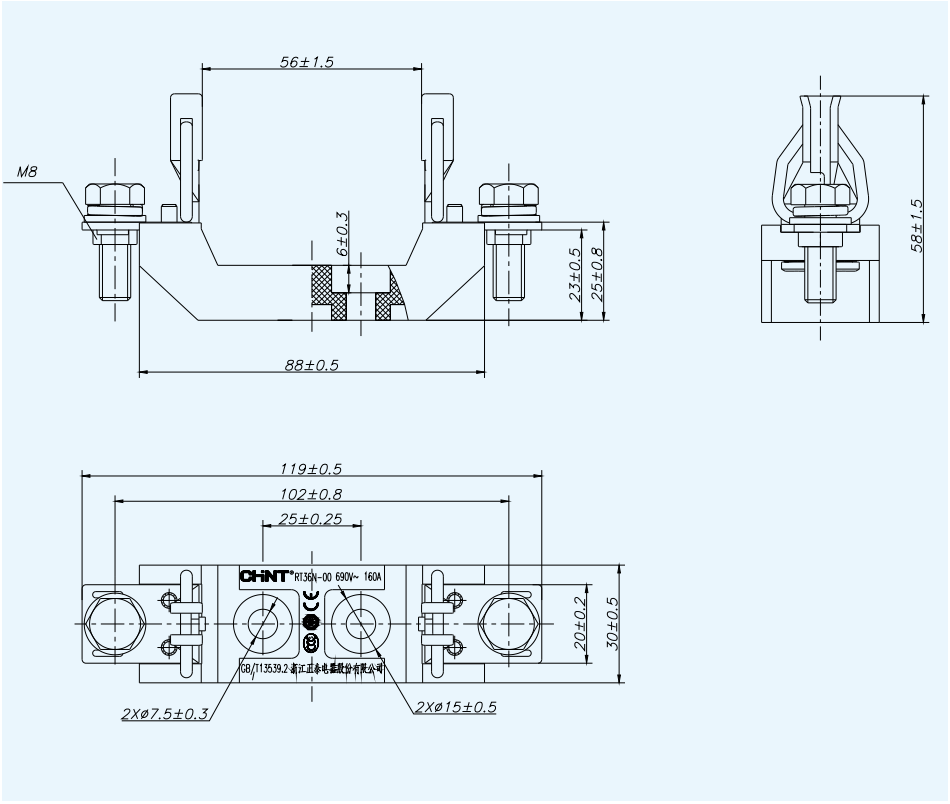


Figure 2 Overall dimensions of the R T 3 6 N - 0 0 holder

RT36
Series Knife-Contact Fuse

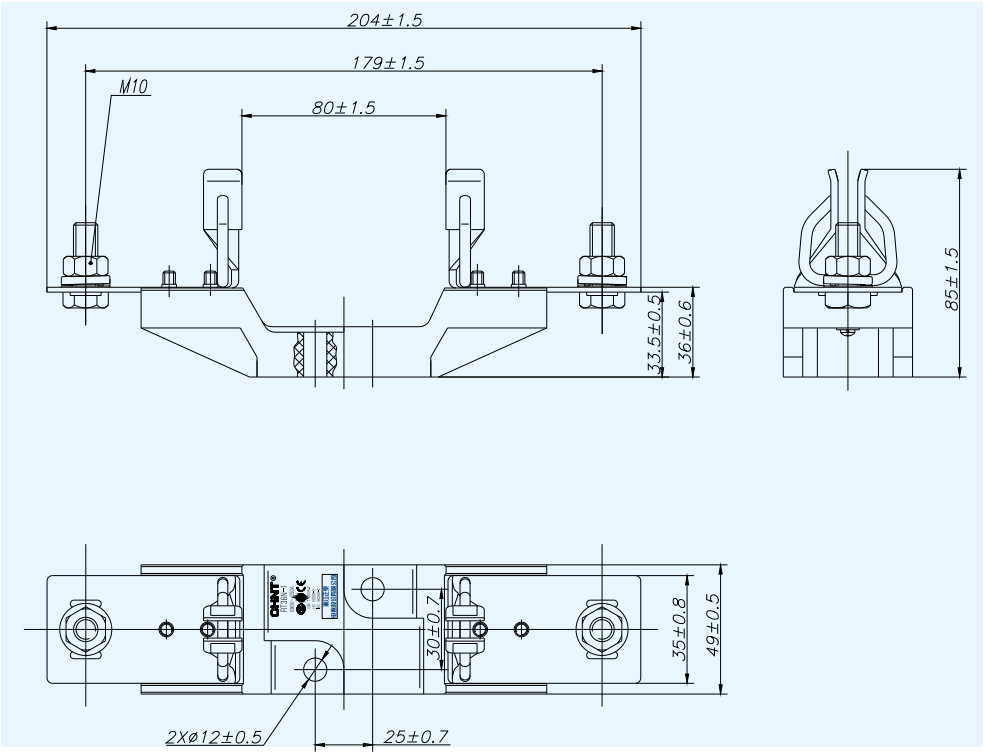


Figure 3 Overall dimensions of R T 3 6 N - 1 base

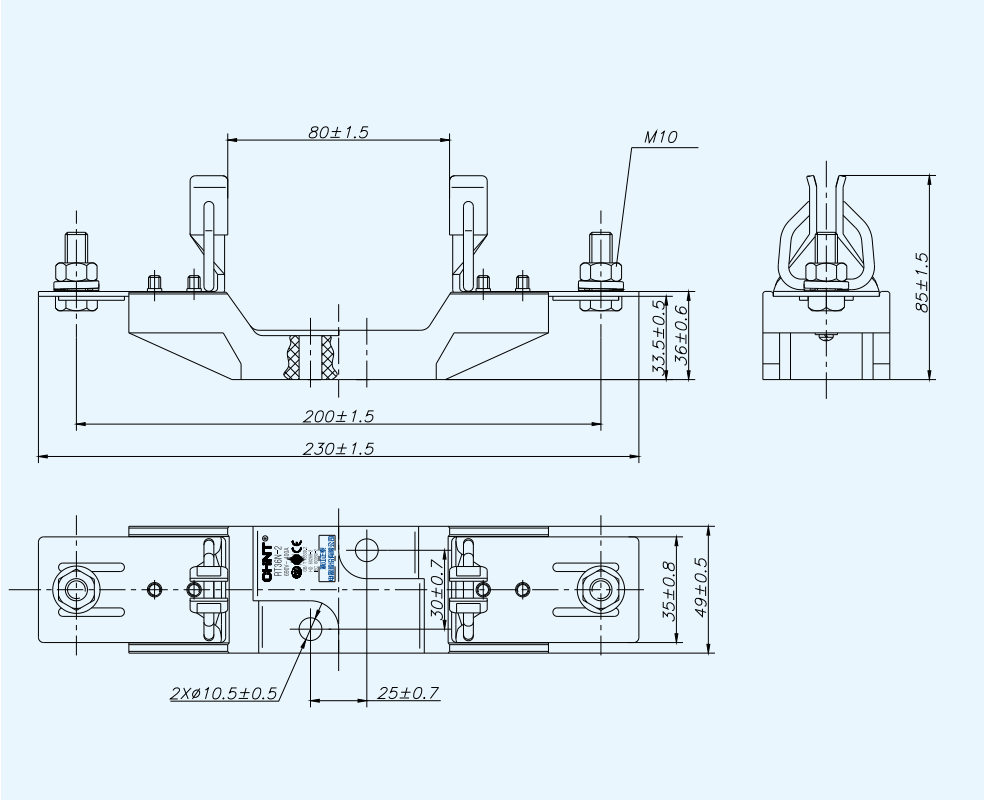


Figure 4 Overall dimensions of R T 3 6 N - 2 base

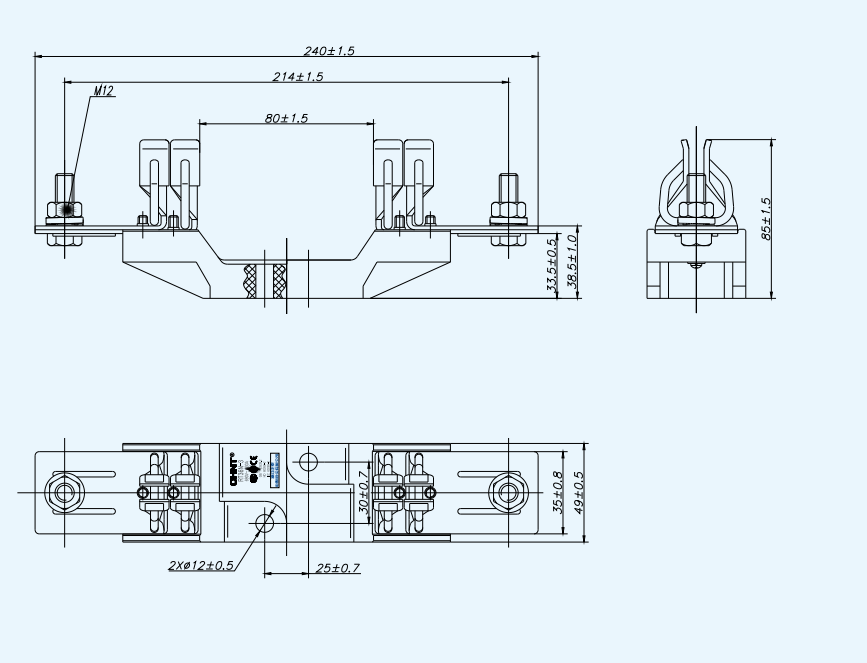


Figure 5 Overall dimensions of R T 3 6 N - 3 base

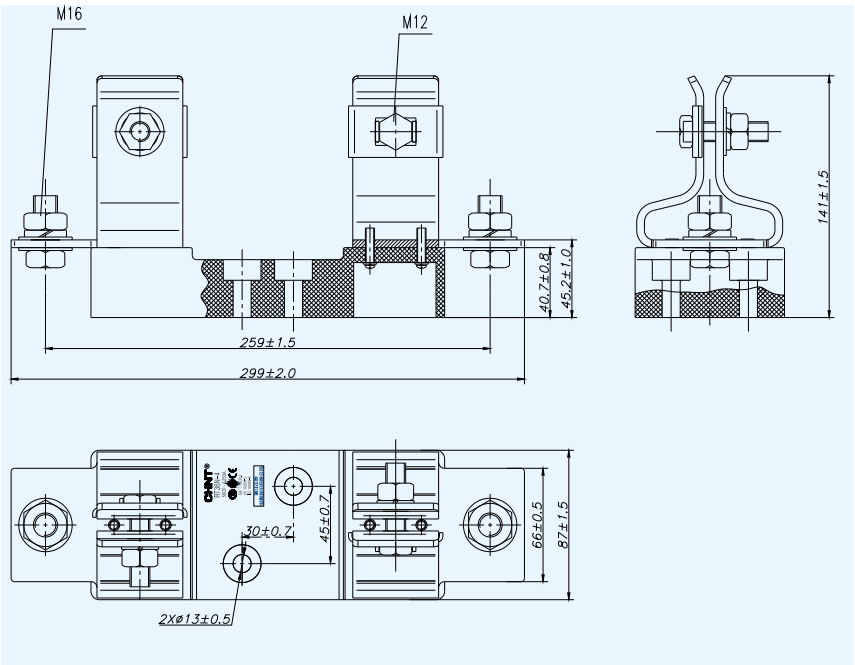


Figure 6 Overall dimensions of R T 3 6 N− 4 base

5 Ordering information

5.1 The following information must be given upon ordering

5.1.1 For fuse links, the product model, rated current and quantity should be given.

5.1.2 For bases, the model should be given and "holder" and the order quantity should be indicated.

5.2 Example of order:

Ordering 100 pieces of RT36-00/100A represents ordering 100 pieces of model

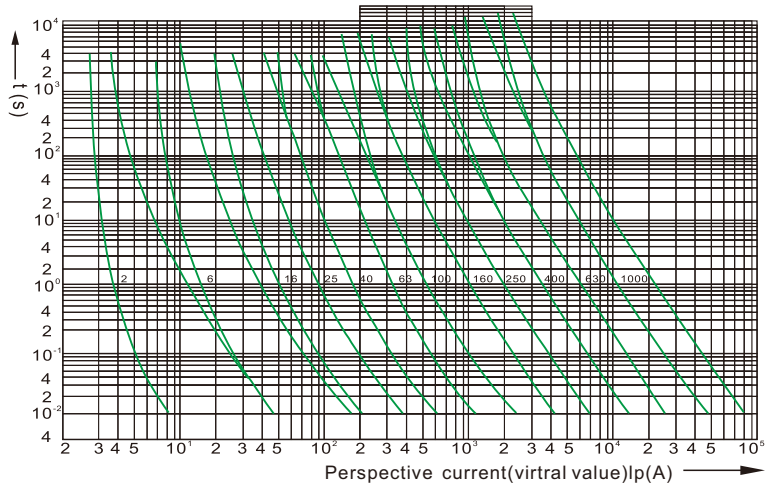
RT 36-00 fuses with a rated current of 100A

Ordering 100 pieces of RT36N-00 (base) represents ordering 100 pieces of model

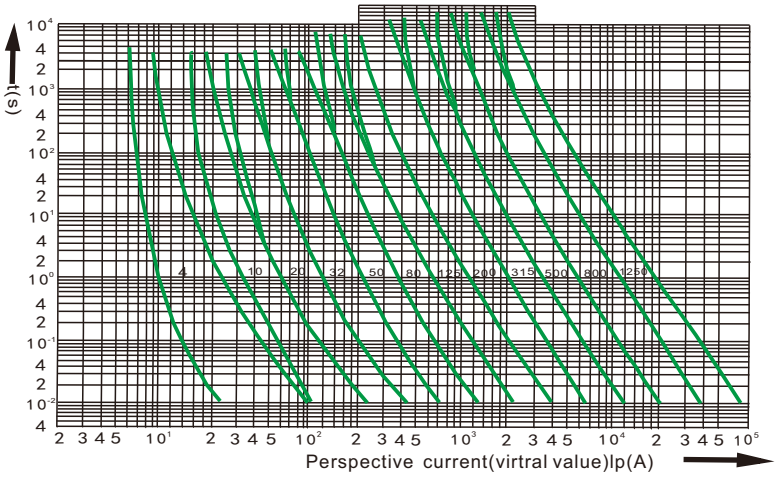
RT36N-00 fuse bases.

RT36
Series Knife-Contact Fuse

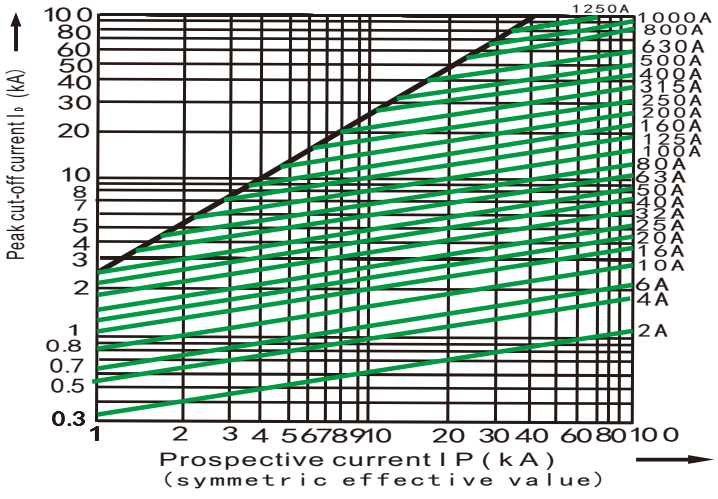
6 Characteristic curve of RT36 series



Time-current zone of “gG” fuse link



Time-current zone of “gG” fuse link



RT28

Series Cylinder Cap Fuse

1 Scope of application

RT28 cylinder cap fuse is used as overload and short circuit protection in power distribution units with a frequency of AC 50Hz, a rated voltage of up to AC 500V and a rated current of up to 63A. It is a new product with appearance design patent and high current limiting capability and high reliability developd by Chint Electric for the communication industry. Its rated breaking capacity is up to 50kA.

The material of the fuse base is DMC, and the material of the fuse link is high frequency porcelain

The fusing signal device (the code is "X") of the fuse base is composed of a neon lamp and a resistor RT28-3 and RT28-63 fuse links include "gG" type, a general-purpose fuse link with full-rangebreaking capacity. This product complies with GB 13539.1, GB/T13539.2 and the corresponding standard IEC 60269 and has obtained 3C, TUV and CE certificates.

2 Type designation

2.1 Type designation of the fuse base

RT 28 (N)-□ □/□

- Number of poles (2P, 3P, sing pole is not indicated)
- Signal lamp device (the code is "X")
- Rated current of the fuse base
- Fuse base(NEW)
- Design sequence No
- Code of powder-filled cartridge fuse

2.2 Type designation of the fuse link

RT 28 - 32 / □

- Rated current of the fuse link
- Rated current of the fuse link
- Design sequence No
- Code of powder-filled cartridge fuse

3 Main parameters and technical characteristics

3.1 Parameters of the fuse holder (base)

Mode	Rated voltage (V)	Rated current (A)	Number of poles	Dimension A	B	D	E	F	G	K	Weigh (kg)
RT28N-32	500	32	1P	79±1.5	74±1.5	55±1.0	60±1.5	17.5±0.5	10.3±0.2	38±0.6	0.075
	500	32	2P	79±1.5	74±1.5	55±1.0	60±1.5	35±1.0	10.3±0.2	38±0.6	0.075
	500	32	3P	79±1.5	74±1.5	55±1.0	60±1.5	52.5±1.5	10.3±0.2	38±0.6	0.075
RT28N-32X	500	32	1P	79±1.5	74±1.5	55±1.0	60±1.5	17.5±0.5	10.3±0.2	38±0.6	0.075
	500	32	2P	79±1.5	74±1.5	55±1.0	60±1.5	35±1.0	10.3±0.2	38±0.6	0.075
	500	32	3P	79±1.5	74±1.5	55±1.0	60±1.5	52.5±1.5	10.3±0.2	38±0.6	0.075
RT28-63	500	63	1P	102±2.0	100±1.2	72±1.0	80±2.0	26±0.6	14.3±0.5	$51^{+0.6}_{-1.0}$	0.18
	500	63	2P	102±2.0	100±1.2	72±1.0	80±2.0	52±1.2	14.3±0.5	$51^{+0.6}_{-1.0}$	0.18
	500	63	3P	102±2.0	100±1.2	72±1.0	80±2.0	78±1.8	14.3±0.5	$51^{+0.6}_{-1.0}$	0.18
RT28-63X	500	63	1P	102±2.0	100±1.2	72±1.0	80±2.0	26±0.6	14.3±0.5	$51^{+0.6}_{-1.0}$	0.18
	500	63	2P	102±2.0	100±1.2	72±1.0	80±2.0	52±1.2	14.3±0.5	$51^{+0.6}_{-1.0}$	0.18
	500	63	3P	102±2.0	100±1.2	72±1.0	80±2.0	78±1.8	14.3±0.5	$51^{+0.6}_{-1.0}$	0.18

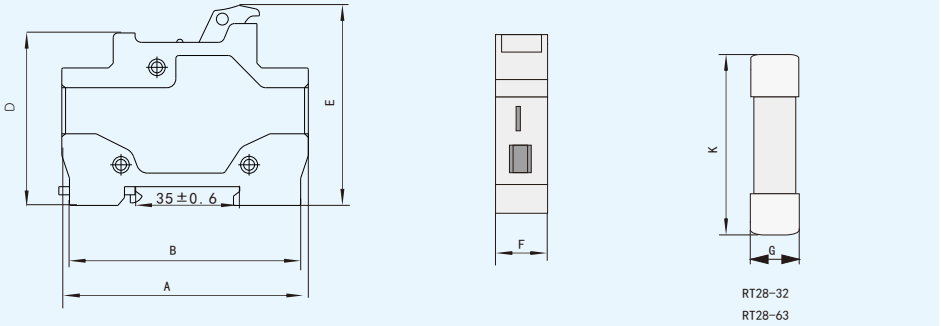
3.2 Parameters of the fuse link

Model	Similar domestic and foreign products	Size (G×K)	Rated voltage (V)	Rated current (A)	Dissipation power (W)	Breaking capacity (kA)	Weight (kg)
RT28-32	RT18-32、RT14-20、RT19-32、R015	10×38	500	2, 4, 6, 8, 10, 16, 20, 25, 32	≤3	50	0.009
RT28-63	RT18-63、RT14-32、RT19-63、R016	14×51	500	10, 16, 20, 25, 32, 40, 50, 63	≤5	50	0.022

3.3 Matching parameters of the fuse holder (base) and the fuse link

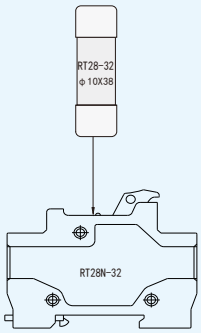
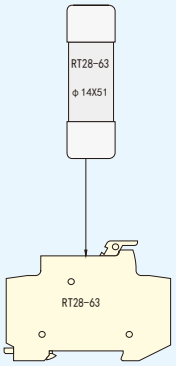
Model of fuse base	Matching fuse link Size (mm)	Model of fuse link	Current (A)
RT28N-32 RT28N-32X	10×38	RT28-32	2, 4, 6, 8, 10, 16, 20, 25, 32
RT28-63 RT28-63X	14×51	RT28-63	10, 16, 20, 25, 32, 40, 50, 63

4 Overall and mounting dimensions



5 Others

Schematic diagram of the matching between fuse holer (base) and fuse link

Matching between the fuse link with a size of 10 and the fuse holder (base)	Matching between the fuse link with a size of 14 and the fuse holder (base)
	

6 Ordering information

6.1 The following information must be given upon ordering:

6.1.1 For fuse links, the product model, rated current and quantity should be given.

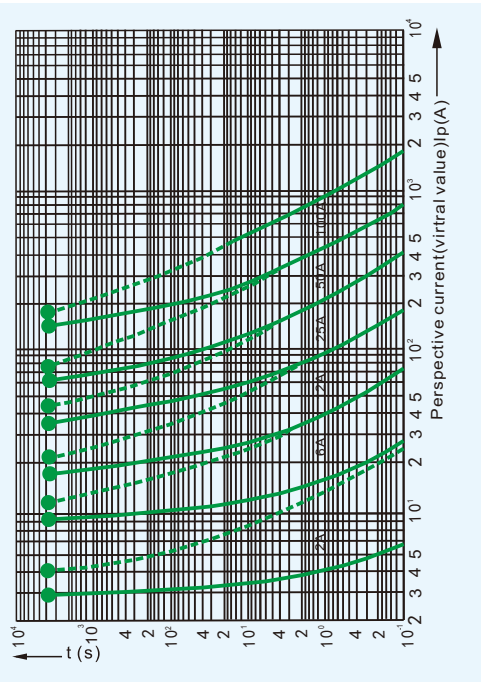
6.1.2 For bases, the model should be given and "holder", the number of poles and the order quantity should be indicated.

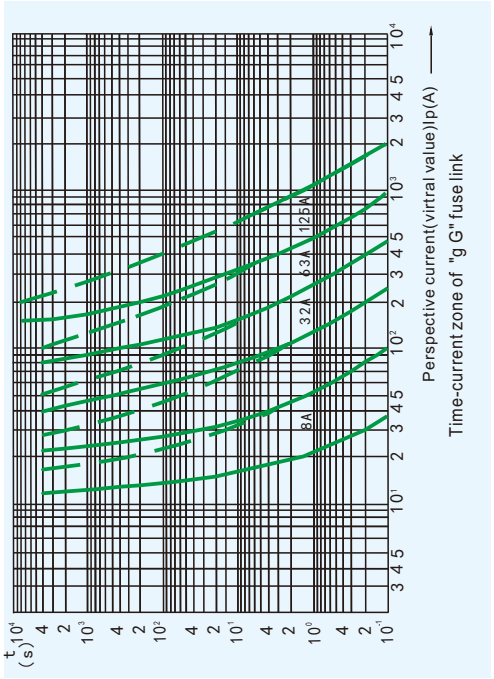
6.2 Example or order

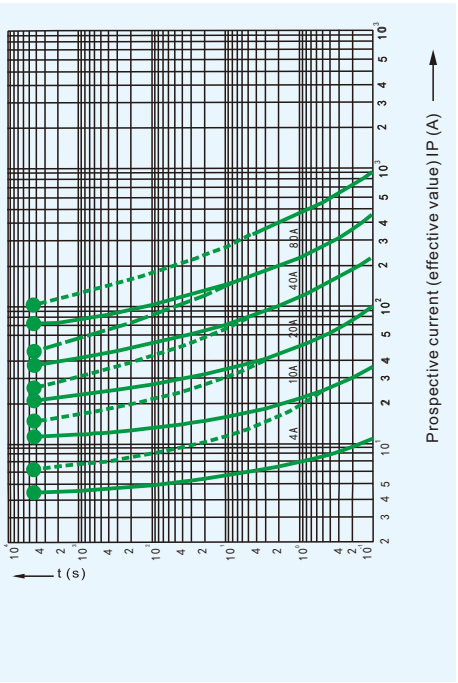
Ordering 100 pieces of RT28-32 20A fuse links can be written as RT28-32/20A, 100 pieces;

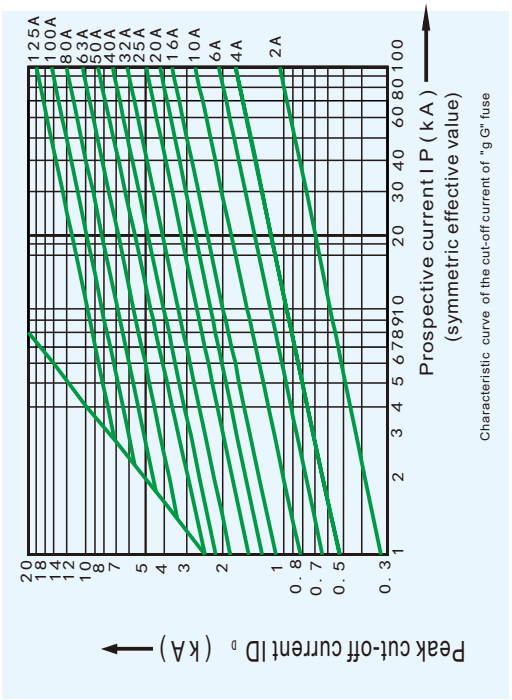
Ordering 100 pieces of RT28N-32 3-pole bases can be written as RT28N-32/3P (base), 100 pieces.

Characteristic Curve of RT28 Series Cylinder Cap Fuse









RS71

Series Fuse Used for the Protection of Semiconductor Devices

1 Scope of application

RS71 type fuse features high breaking capacity, good current limiting characteristic, stable periodic load characteristic and low power consumptipon. It can provide the thyristor and its complete equipment with reliable protection. Having a voltage class of up to 1000V, a complete range of current specifications and a complete set of technical data, this product becomes the most ideal spare part for the fuses used for the protection of semiconductor devices in the complete equipment introduced to various industries and makes it easier to select fuses n electrical engineering.

The body of RS71 fuse is not equipped with a blown fuse indicator. If blown fuse indicator or automatic alarm is required, a RX1-1000 signal fuse with sensitive switch produced by our factory can be connected in parallel with the RS71 fuse.

The NGTC series has the same appearance as the RT36 series, for example, RT36-00 has the same overall and mounting dimensions as NGTC-00. The current specification is the same as the RS71(NGT) series.

The product complies with the standards GB 13539 and IEC 6026

2 Type designation

2.1 Type designation of the fuse link

RS 71 □□/□

- Rated current of the fuse link (A)
- Code of connection mode. With "C": connecting with the base; without "C": bolt connection
- Size
- Design sequence No
- Fuse used for the protection of semiconductor devices

2.2 Type designation of the fuse base

RT 36 N -□/□

- Rated current of the fuse base (A)
- Size
- Fuse base(NEW)
- Design sequence No.
- Code of powder-filled cartridge fuse

3 Main parameters and technical characteristics

3.1Main parameters and technical characteristic of RS71 NGT series fuse:

Specification	Rated current (A)	Rated voltage (V)	Rated dissipation (W)	Weight (kg)
RS711B (NGT00)	25	400(380)、690(660)、800	8.6	0.18
	32	400(380)、690(660)、800	9.9	0.18
	40	400(380)、690(660)、800	11.3	0.18
	50	400(380)、690(660)、800	13.2	0.18
	63	400(380)、690(660)、800	15.7	0.18
	80	400(380)、690(660)、800	18.7	0.18
	100	400(380)、690(660)、800	22.6	0.18
	125	400(380)、690(660)、800	27	0.18
	160	400(380)、690(660)、800	40	0.18
RS711 (NGT1)	100	400(380)、690(660)、800、1000	34	0.47
	125	400(380)、690(660)、800、1000	36	0.47
	160	400(380)、690(660)、800、1000	40	0.47
	200	400(380)、690(660)、800、1000	46	0.47
	250	400(380)、690(660)、800、1000	55	0.47
RS712 (NGT2)	200	400(380)、690(660)、800、1000	47	0.69
	250	400(380)、690(660)、800、1000	53	0.69
	280	400(380)、690(660)、800、1000	56	0.69
	315	400(380)、690(660)、800、1000	62	0.69
	355	400(380)、690(660)、800、1000	67	0.69
	400	400(380)、690(660)、800、1000	75	0.69

RS711BC (NGTC00) fuse link　　Matching RT36N-00 base

RS711C(NGTC1) fuse link　　Matching RT36N-1 base

RS712C(NGTC2) fuse link　　Matching RT36N-2 base

Continued

Specification	Rated current (A)	Rated voltage (V)	Rated dissipation (W)	Weight (kg)
RS713 (NGT3)	355	400 (380)、690 (660)、800、1000	65	0. 92
	400	400 (380)、690 (660)、800、1000	72	0. 92
	450	400 (380)、690 (660)、800、1000	75	0. 92
	500	400 (380)、690 (660)、800、1000	83	0. 92
	560	400 (380)、690 (660)、800、1000	92	0. 92
	630	400 (380)、690 (660)、800、1000	105	0. 92
RS714 (NGT4)	700	400 (380)、690 (660)、800、1000	120	1. 95
	800	400 (380)、690 (660)、800、1000	145	1. 95
	900	400 (380)、690 (660)、800、1000	160	1. 95
	1000	400 (380)、690 (660)、800、1000	195	1. 95
	1250	400 (380)、690 (660)、800、1000	255	1. 95
RX1body	–	1000	–	0. 015
RX1base	–	1000	–	0. 04

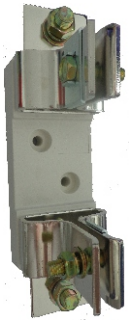
3.2 Main parameters and technical characteristics of RS71C NGTC series fuse:

Specification	Model of matching base	Rated current (A)	Rated voltage (V)	Rated dissipatio power (W)	Weight (kg)
RS711BC (NGTC00)	RT36–00 (NT00)	25	400 (380)、690 (660)、800	8. 6	0. 18
		32	400 (380)、690 (660)、800	9. 9	0. 18
		40	400 (380)、690 (660)、800	11. 3	0. 18
		50	400 (380)、690 (660)、800	13. 2	0. 18
		63	400 (380)、690 (660)、800	15. 7	0. 18
		80	400 (380)、690 (660)、800	18. 7	0. 18
		100	400 (380)、690 (660)、800	22. 6	0. 18
		125	400 (380)、690 (660)、800	27	0. 18
		160	400 (380)、690 (660)、800	40	0. 18
RS711C (NGTC1)	RT36–1 (NT1)	100	400 (380)、690 (660)、800、1000	34	0. 47
		125	400 (380)、690 (660)、800、1000	36	0. 47
		160	400 (380)、690 (660)、800、1000	40	0. 47
		200	400 (380)、690 (660)、800、1000	46	0. 47
		250	400 (380)、690 (660)、800、1000	55	0. 47
RS712C (NGTC2)	RT36–2 (NT2)	200	400 (380)、690 (660)、800、1000	47	0. 69
		250	400 (380)、690 (660)、800、1000	53	0. 69
		280	400 (380)、690 (660)、800、1000	56	0. 69
		315	400 (380)、690 (660)、800、1000	62	0. 69
		355	400 (380)、690 (660)、800、1000	67	0. 69
		400	400 (380)、690 (660)、800、1000	75	0. 69
RS713C (NGTC3)	RT36–3 (NT3)	355	400 (380)、690 (660)、800、1000	65	0. 92
		400	400 (380)、690 (660)、800、1000	72	0. 92
		450	400 (380)、690 (660)、800、1000	75	0. 92
		500	400 (380)、690 (660)、800、1000	83	0. 92
		560	400 (380)、690 (660)、800、1000	92	0. 92
		630	400 (380)、690 (660)、800、1000	105	0. 92
RS714C (NGTC4)	RT36–4 (NT4)	700	400 (380)、690 (660)、800、1000	120	1. 95
		800	400 (380)、690 (660)、800、1000	145	1. 95
		900	400 (380)、690 (660)、800、1000	160	1. 95
		1000	400 (380)、690 (660)、800、1000	195	1. 95
		1250	400 (380)、690 (660)、800、1000	255	1. 95
RX1body		–	1000	–	0. 015
RX1base		–	1000	–	0. 04

RS713C(NGTC3) fuse link

Matching RT36N-3 base

RS714(NGT4) RS714C(NGTC4) fuse link

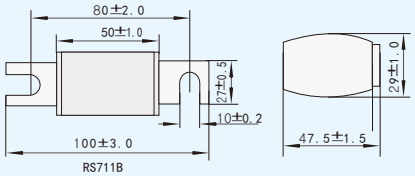


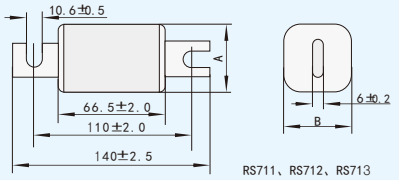
Matching RT36N-4 base

continued

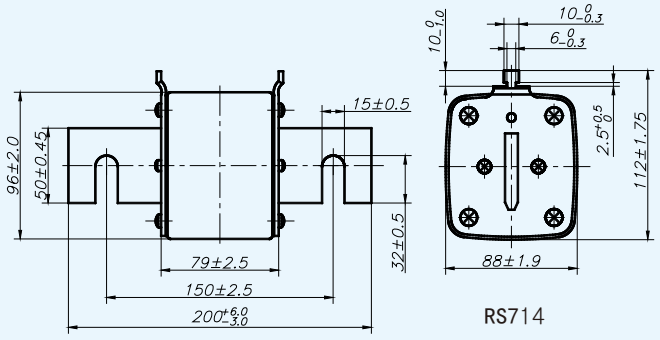
Specification	Model of matching base	Rated curren (A)	Rated voltage (V)	Rated dissipation power (W)	Weight (kg)
RS713C (NGTC3)	RT36-3 (NT3)	355	400(380)、690(660)、800、1000	65	0.92
		400	400(380)、690(660)、800、1000	72	0.92
		450	400(380)、690(660)、800、1000	75	0.92
		500	400(380)、690(660)、800、1000	83	0.92
		560	400(380)、690(660)、800、1000	92	0.92
		630	400(380)、690(660)、800、1000	105	0.92
RS714C (NGTC4)	RT36-4 (NT4)	700	400(380)、690(660)、800、1000	120	1.95
		800	400(380)、690(660)、800、1000	145	1.95
		900	400(380)、690(660)、800、1000	160	1.95
		1000	400(380)、690(660)、800、1000	195	1.95
		1250	400(380)、690(660)、800、1000	255	1.95
Rx1 body		–	1000	–	0.015
RX1 base		–	1000	–	0.04

4 Overall and mounting dimensions





Model	A	B
RS711	48±1.5	48±1.5
RS712	58±2.0	58±2.0
RS713	67±2.2	67±2.2



5 Ordering information

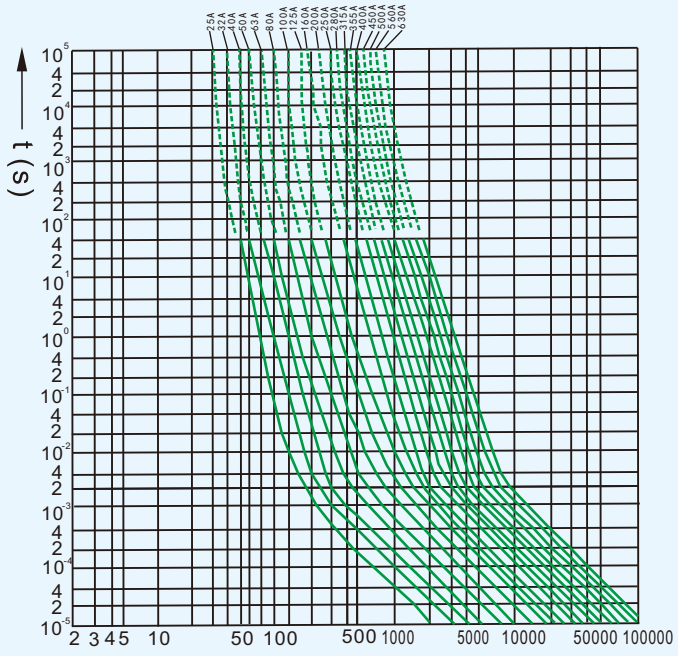
5.1 The following information must be given upon ordering:

For fuse links, the product model, rated current and quanity should be given.

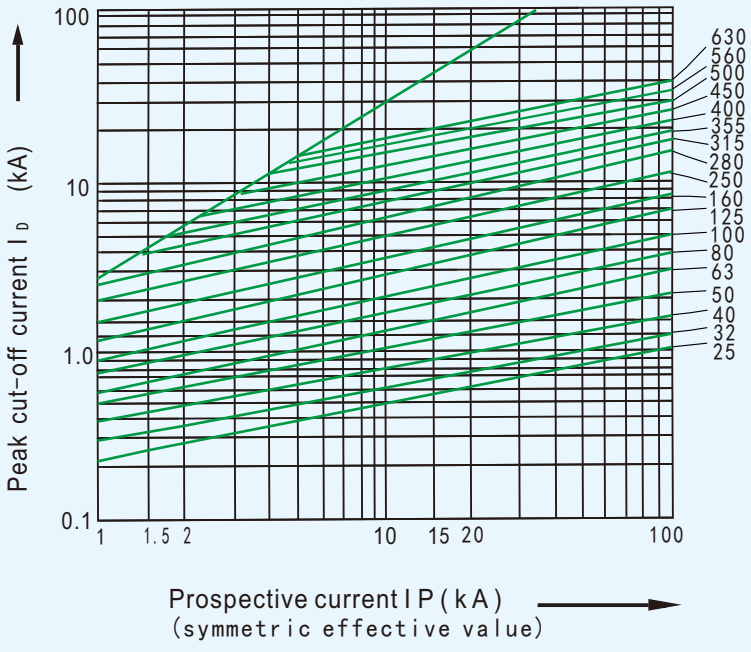
5.2 Example of order

Ordering 100 pieces of RS711B/80A represents ordering 100 pieces of model RS711B fuse links with a rated current of 80A.

Characteristic Curve of RS71 Series Fuse Used for the Protection of Semiconductor Devices



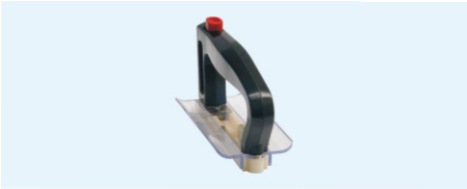
Time-current characteristic curve of the (quick) fuse link used for the protection of semiconductor devices

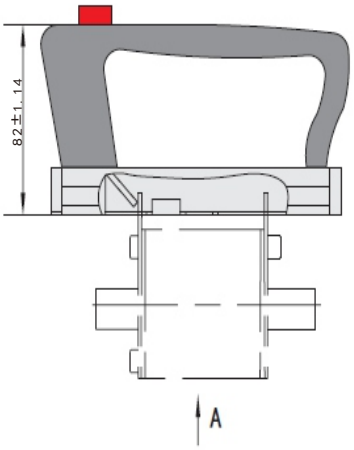


Fuse carrier

1 Scope of application

It is mainly used to install and replace RT36 series low-voltage high-breaking-capacity fuse links in electric circuits with a rated voltage of up to 1000V





View A

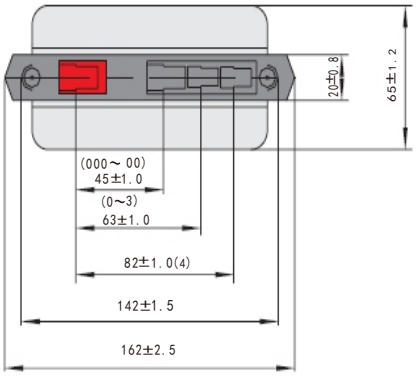


Figure 1

Model	Model of the fuse link carried	Rated insulation voltage (V)	Overall dimensions (mm)	Weight (g)
(N)RT36	RT36-00C～4	1000	See Figure 1	0.252

2 Ordering information

The following information must be given upon ordering: For fuse carriers: product model, order quantity

Example: 100 pieces of RT36 fuse carriers

Signal Fuse (Fuse Alarm)

Body of RX1-1000 signal fuse

Base of RX1-1000 signal fuse

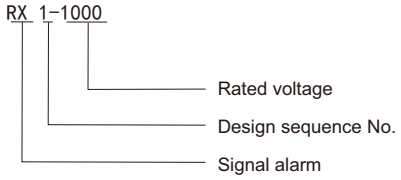
1 Scope of application

This series of signal fuse is used for the fusing signal (alarm) of the fuse link in electric circuits with a frequency of AC 50Hz and a rated voltage of up to 1000V. Generally, the fuse alarm is connected in parallel under the cover plate fixing screws on both ends of the fuse link. When the fuse link blows, the fuse striker operates, and the pin bounces out and pushes the sensitive switch to send a signal.

The distance between the upper and lower fixed ends of the base can be adjusted within a certain range, in order to connect fuse links of different heights.

This product complies with the standards GB 13539 and IEC 60269.

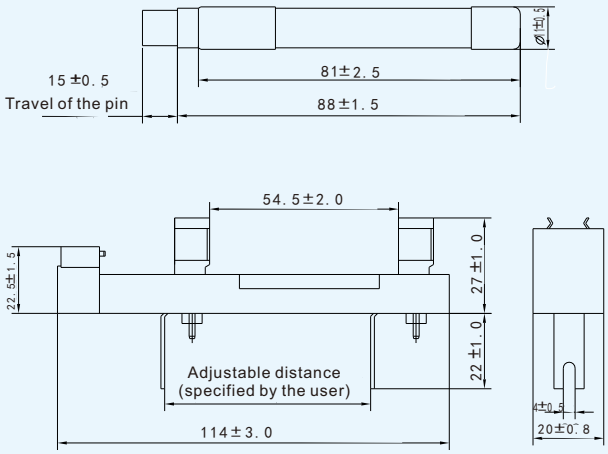
2 Type designation



3 Main parameters and technical characteristics

Model	Product name	Rated voltage (V)	Weight (g)
RX1-1000	Body of signal fuse	1000	17
RX1-1000	Base of signal fuse	1000	42

4 Overall and mounting dimensions



5 Ordering inforamtion

5.1 The following information must be given upon ordering.

For fuse links, the product model and quantity should be given.

5.2 Example or order:

Ordering 100 pieces of RX1-1000 body represents ordering 100 pieces of model RX1-1000O signal fuse body.