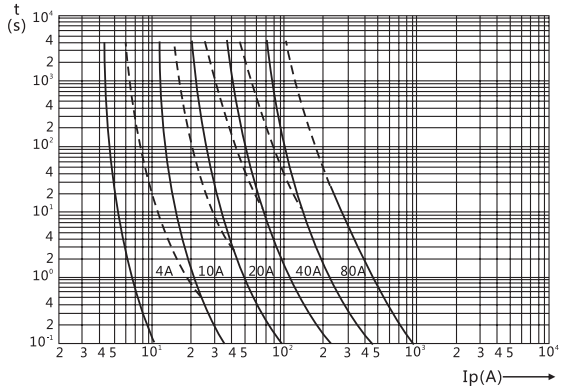
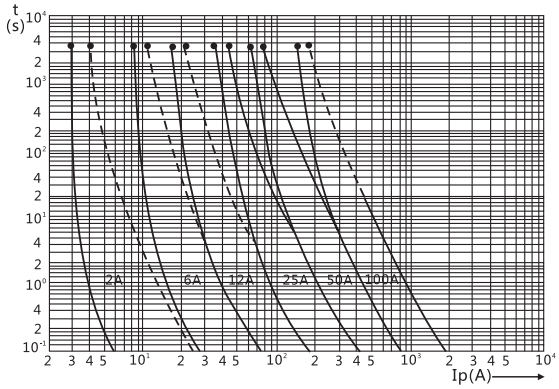
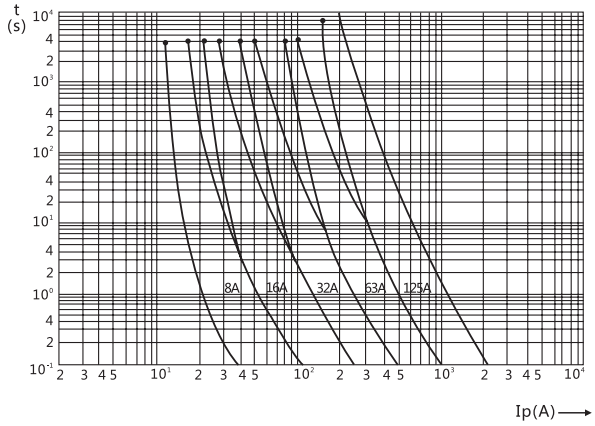
Table 3

Model	Code					Suited fuse link size
	A mm	B mm	C mm	D mm	E mm	
RT19-16	70	43	19	5	30	8x32
RT19-25	80	53	23	5.5	35	10x38
RT19-50	91	38	29	6.5	-	14x51
RT19-100	108	50	36	7.5	-	22x58

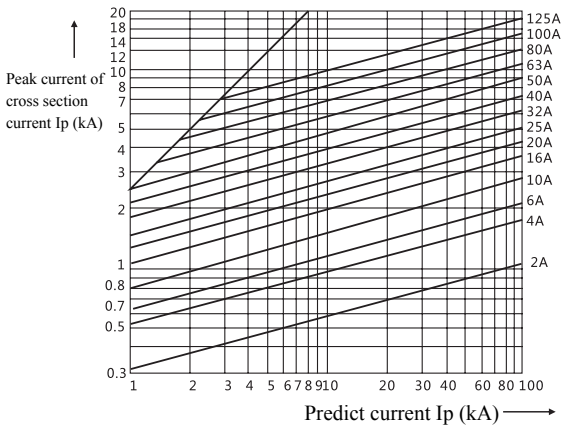
Fuse link time-current characteristics curve







Cross section current characteristics curve



Ordering Notice

It required to be noted: product name and model No., voltage of fuse link, current of fuse link and quantity. The base or fuse link can be ordered separately.

For example, 1. Fuse link RT19-16 380V/16A 1000 pcs, base RT19-16 1000 pcs, which can be also written as: RT19-16 380V/16A 1000 sets.

2. Fuse link RT19-50 380V/32A 8000 pcs, base RT19-25 600 pcs

Structure characteristics

This series of fuse is consisted of fuse link and fuse base (RT19-16 with fusion loading component).

Fuse link is consisted of fuse tube, melt and filler. The variable cross-section melt of pure copper belt or wire is sealing into the high strength fuse tube, there filled into the fuse tube with the high purity of quartz sand that is processed by chemical as the arcing medium. Two ends of the melt are spot welded to be firmly electric connected with the end plate (or connecting plate), which forms the cylindrical cap fuse.

Fuse base is consisted of the terminal, contact base and spring clamp, it appears full sealing type structure (RT19-16 appears semi-closed status) when the fuse operations, which is installed by screw, easy and convenient. The terminal of two ends is connected with external wire by screw.

Main technique parameter

Table 1

Model	Size of fuse link	Rated breaking capacity		Rated voltage	Rated current A	
		I_1、kA	cos ϕ		Base	Fuse link
RT19-16	8x32	100	0.1~0.2	380V	16	2、4、6、8、10、12、16
RT19-25	10x38				32	10、12、16、20、25
RT19-50	14x51				63	20、25、32、40、50
RT19-100	22x58				125	40、50、63、80、100

External and installation dimension

6.1 External and installation dimension of fuse link

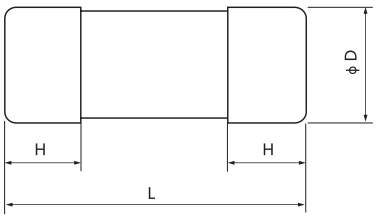
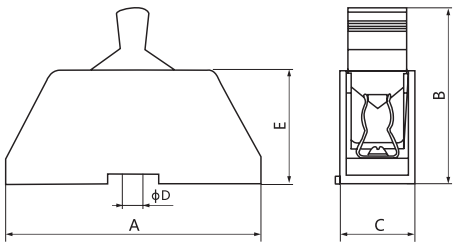


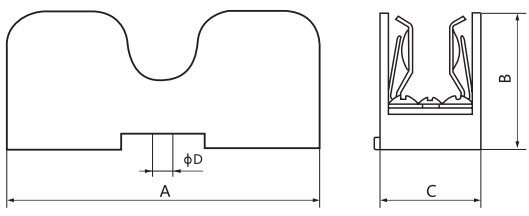
Table 2

Model	Size	Code		
		L mm	H(max)mm	ϕ Dmm
R014	8x32	31±0.5	6.7	8.5±01
R015	10x38	38+0.6	10.5	10.3±0.1
R016	14x51	51 $^{+0.6}_{-1.0}$	13.8	14.3±01
R017	22x58	58 $^{+1.0}_{-2.0}$	16.2	22.2±0.1

6.2 External and installation dimension of fuse holder



a. External and installation dimension for RT19-16, RT19-25 fuse holder



b. External and installation dimension for RT19-50, RT19-100 fuse holder

Usage and its scope of application



RT19 Series power filled cartridge cylindrical cap fuse is suitable for the industrial electric distribution device of AC 50Hz, rated voltage 380V, rated current up to 125 A, as for the use of circuit's over-load and short-circuit protection.
Confirms to standards: GB13539.1-2008/IEC60269-1:2006;GB/T13539.2-2008/IEC 60269-2:2006

Model and its implication



RT 19- □/□

- Rated current of fuse link
- Rated current of fuse
- Design serial No. (NF Cylindrical cap fuse system)
- Power filled cartridge type fuse

The similar product model at domestic: AM1~4; gF1~4



Normal operating condition and installation condition

3.1 Ambient temperature: -5℃~+40℃, average value within 24h does not exceed +35℃, and the average value within one year should be less than this value.
3.2 Altitude of installation place does not exceed 2000m
3.3 Atmosphere condition
The air is clean, and its relative humidity does not exceed 50% when the ambient temperature is at 40 ℃. It is allowed relatively high humidity at the relatively low temperature, for example, the relative humidity can reach 90% when 20℃, and it should take consideration of the condensation produced on the surface of product that is due to the temperature variation.
3.4 Voltage
The maximum value of system voltage does not exceed 110% of fuse's rated voltage.
3.5 Installation category: III
3.6 Grade of pollution: not less than 3
3.7 Installation position
This series of fuse can be vertically, horizontally or obliquely installed at those operation occasions of without obvious shake, impact vibration.
Note: if the fuse is used in the different from the normal installation specified condition, it should be negotiated with the manufacturer.