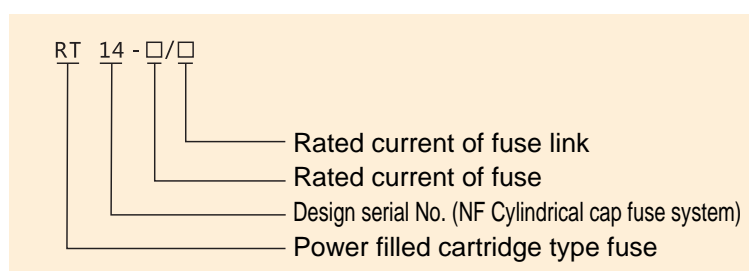


▶ Usage and its scope of application

RT14 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



▶ Normal operating condition and installation condition

3.1 Ambient temperature: -5C~+40C, average value within 24h does not exceed +35C, 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 40C. 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.

▶ Scope of breaking and usage category

Breaking scope of this series fuse link is "g", the usage category is "G", which is the general use full scope of breaking capacity fuse link.

▶ Structure characteristics

This series of fuse is consisted of fuse link and fuse holder (base and 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.

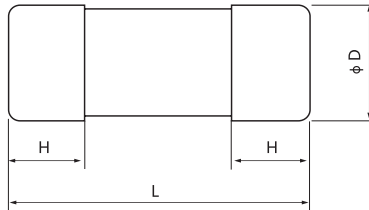
Fuse holder is consisted of the base and fusion loading component, it appears full sealing type structure when the fuse is installed. In normal operations, the holder is installed by screw, easy and convenient. The terminal of two ends is connected with external wire by screw.

▶ Main technique parameter

Model	Size of fuse link	Rated breaking capacity		Rated voltage	Rated current A	
		I _b , kA	cos φ		Base	Fuse link
RT14-20	10x38	100	0.1~0.2	380V	20	2, 4, 6, 8, 10, 16, 20
RT14-32	14x51				32	2, 4, 6, 8, 10, 16, 20, 25, 32
RT14-63	22x58				63	10, 16, 20, 25, 32, 40, 50, 63

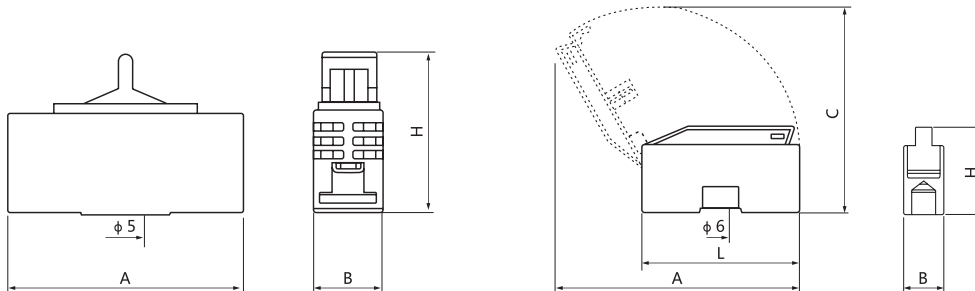
▶ External and installation dimension

7.1 External and installation dimension of fuse link



Model	Size	Code		
		Lmm	H(max)mm	φ Dmm
R015	10x38	38±0.6	10.5	10.3±0.1
R016	14x51	51 ^{+0.6} _{-1.0}	13.8	14.3±0.1
R017	22x58	58 ^{+0.1} _{-2.0}	16.2	22.2±0.1

7.2 External and installation dimension of fuse holder

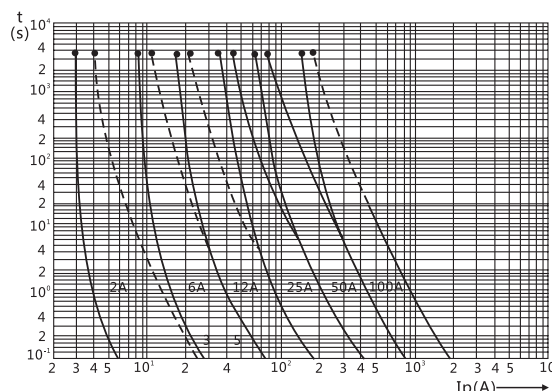
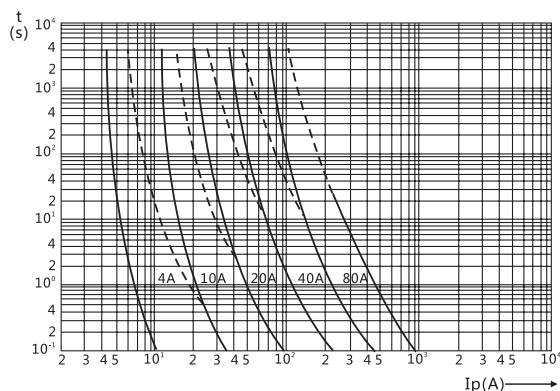


a. External and installation dimension for RT14-20 fuse holder

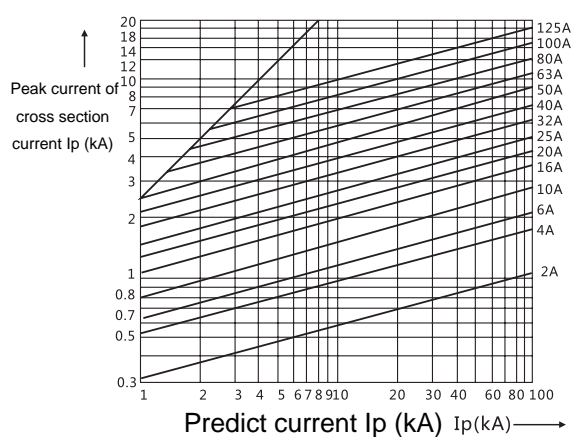
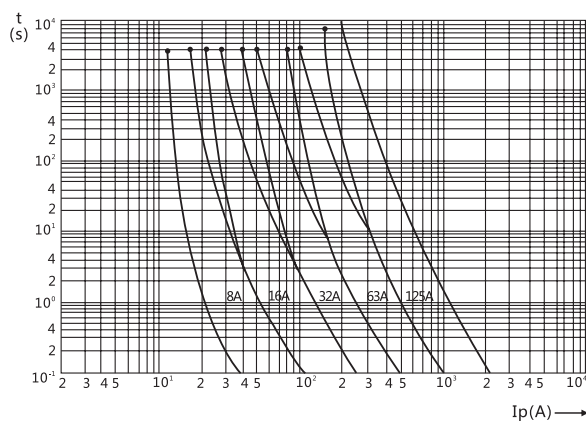
b. External and installation dimension for RT14-32, RT14-63 fuse holder

Model	Code					
	A mm	B mm	C mm	L mm	H mm	
RT14-20	70max	21max	-	-	47max	10x38
RT14-32	170max	30max	138max	107max	60max	14x51
RT14-63	200max	34±1	160max	124±1	65.5±1	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 RT14-20 380V/16A 1000 pcs, base RT14-20 1000 pcs, which can be also written as: RT14-20 380V/16A 1000 sets.

2. Fuse link RT14-32 380V/32A 8000 pcs, base RT14-32 600 pcs