

FUSE

RT18

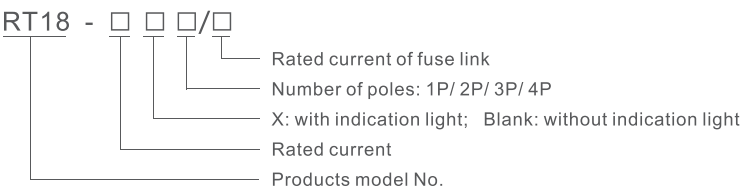
Series Filling closed tubular cylindrical cap fuse



Application

RT18 series filling closed tubular cylindrical cap fuse is suitable for the industrial electrical distribution devices of AC50Hz, rated voltage 380V, rated current up to 125A, for circuit overload & short-circuit protection.
Conform to IEC60269-2 standard.

Model No.



Normal Operating condition and installation condition

1. Ambient temperature: $-5^{\circ}\text{C}\sim 40^{\circ}\text{C}$, average temperature within 24h does not exceed $+35^{\circ}\text{C}$.
2. Altitude: not exceed 2000m
3. Atmosphere: its relative humidity does not exceed 50% when it is at 40°C , it can have relatively high humidity when it is at relatively low temperature, for instance, the relative humidity can reach to 90% when it is at 20°C . There should consider the condensation occurred on the products due to the temperature variation.
4. Voltage: max. system voltage should not exceed 110% of fuse's rated voltage.
5. installation category: III
6. Pollution grade: not less than 3
7. Installation position: can be vertically installed at the places without obvious shake and impulse vibration.

Breaking scope and usage category

Breaking capacity of fuse: "g", usage category: "G", which is general usage and full range of breaking capacity fuse.

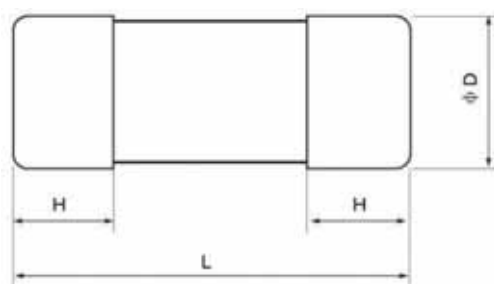
Structure characteristics

This fuse is consisted of fuse link and fuse holder.
The fuse link is consisted of fusion tube, fuse link and fillings. The fuse link made of pure copper strip or wire is encapsulated in a high strength fusion tube, and the fusion tube is filled with high pure quartz sand as arc-extinguishing medium. The fuse link is firmly connected with the terminal cap by welding.
The fuse is full closed structure when it is at working. The fuse holder can be with indication light, the indication light will be lighted when the fuse link is fusing. The fuse holder uses TH35 standard DIN rail installation, its two terminal is wired with external wires by screw.

Main technical parameter

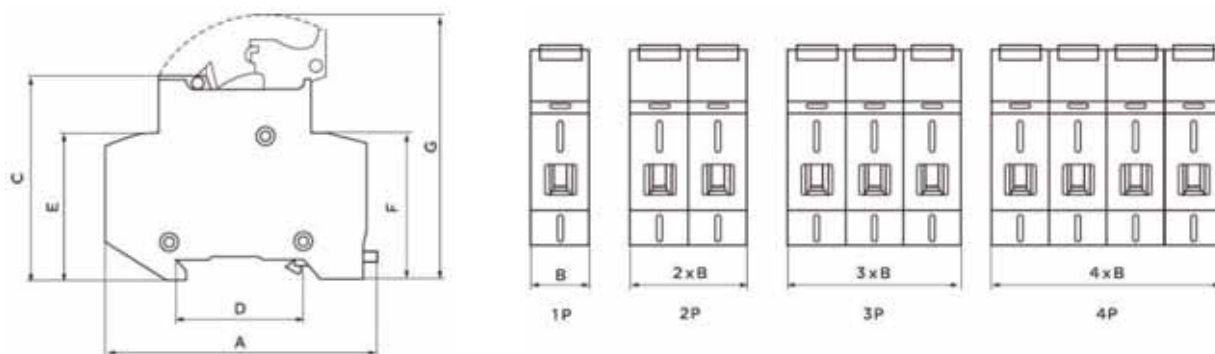
Model	RT18-32	RT18-63	RT18-125
Rated voltage	380V		
Rated current	32A	63A	125A
Rated breaking capacity kA	100		
Power factor cosØ	0.1~0.2		
Model of fuse link	R015	R016	R017
Dimension	10*38	14*51	22*58
Rated current of fuse link A	2,4, 6, 8, 10, 12, 16, 20, 25, 32	2,4, 6, 8, 10, 12, 16, 20, 25, 32, 40, 50, 63	2,4, 6, 8, 10, 12, 16, 20, 25, 32, 40, 50, 63, 80, 100, 125

Dimensions



Fuse link dimension

Model		R015	R016	R017
Dimension		10*38	14*51	22*58
Code	L mm	38 ^{+0.6} _{-1.0}	51 ^{+0.8} _{-1.0}	58 ^{+0.1} _{-2.0}
	H (max) mm	10.5	13.8	16.2
	D mm	10.3±0.1	14.3±0.1	22.2±0.1

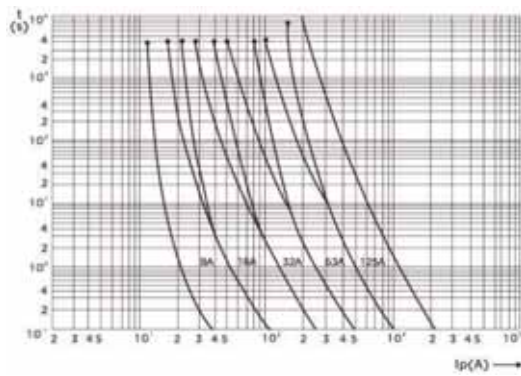
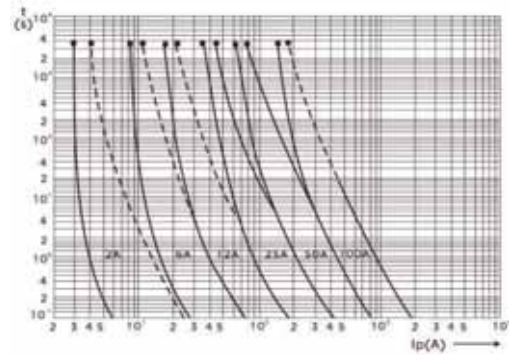
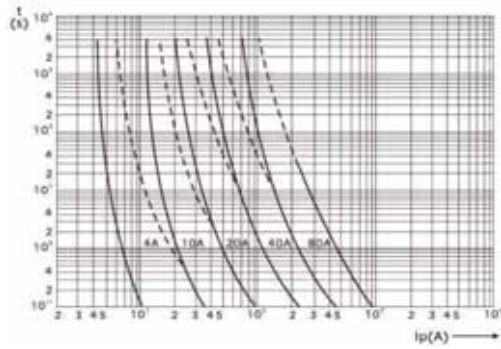


Fuse holder dimension

Model		RT18-32	RT18-63	RT18-125
Code	A mm	80	103	134
	B mm	18	26	36
	C mm	63	78	78
	D mm	36	36	36
	E mm	45	58	—
	F mm	45	58	—
	G mm	75	105	104

FUSE

Fuse link Time-current characteristics curve



Cut off current characteristics curve

