

# RY系列

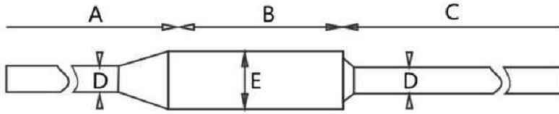


专业从事温度保险丝生产35年  
Specialized in producing thermal fuse over 35 years

UL  CQC  CE  CB ROHS REACH

## 尺寸图

DIMENSIONAL DRAWING



规格标准/Specification and Standard ( mm )					
	A	B	C	D	E
标准引线 Standard Lead Wire	25±1	11±1	32±1	Φ1±0.1	Φ4.0±0.1
加长引线 Long Lead Wire	38±1			Φ1.2±0.1	

## 参数

ELECTRIC PARAMETERS

Rated voltage

额定电压：125V-250V，AC

Rated current

额定电流：10A-16A

Frequency

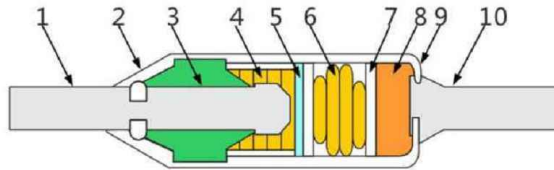
频率：50 or 60HZ

Maximum quantity of electricity allowed

最大允许插入电流：250V,AC 10A-16A

## 材质•镀层

MATERIAL & PLATING



No.	部件Parts	材料 Material	电镀 Electroplating
1	引线 lead wire A	铜 Cu	镀银 silver plating
2	环氧树脂 Epoxy resin	环氧树脂 Epoxy resin	/
3	绝缘子 Isolated lead	陶瓷 Ceramic	/
4	动作弹簧 Trip spring	不锈钢 Stainless steel	/
5	星触片 Star contact	银 silver	/
6	压缩弹簧 Compression spring	不锈钢 Stainless steel	/
7	圆片 discs	铜 Cu	/
8	感温熔块 Thermal pellet	有机材料 organic material	/
9	外壳 case	黄铜 flavon	镀银 silver plating
10	B引线 lead wire B	铜 Cu	镀锡 tinning

## 表示图

PRESENTATION DRAWING

SANYUAN

商标  
Trade mark

RYxxx

型号  
Model

TF XXX°C

额定动作温度  
Rated operating temperature

250V 10A

额定电压、额定电流  
Rated voltage/Rated current

电气用品认可标记  
Approved mark for electrical appliance



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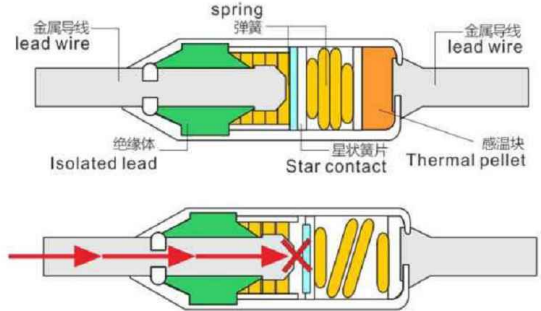
## 特点 TRAIT

The products have the ability to cut circuit immediately for high current, with non-resettable. The thermal fuse has low internal resistance itself, small size that easy to install. The products are sensitive to external temperature and the operating temperature has high accuracy and stability.

具有对较大电流的电路作一次性动作切断的能力。  
本身内阻较低，尺寸小，便于安装，  
对外界温度感受灵敏，动作温度准确稳定。

## 热熔断体动作原理

### STRUCTURE AND OPERATING THEORY

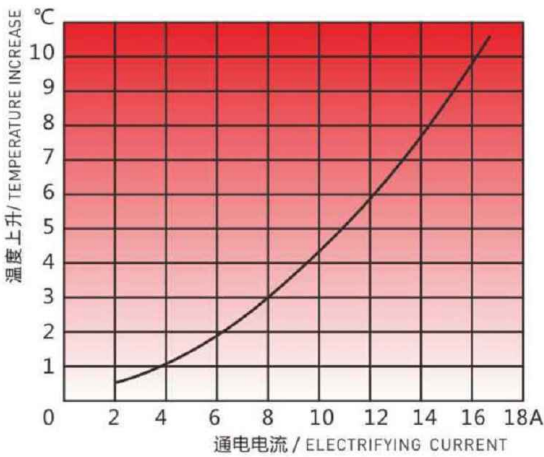


- 1、RY系列热熔断体由星状簧片、弹簧、感温块构成。
- 2、工作原理热熔断体启动之前电流从左侧引线流向星状簧片通过金属外壳向右侧引线流动。在外部温度达到预定温度时可熔体融化，压缩弹簧变松。即弹簧膨胀，星状簧片与左侧引线分离，与左侧引线间电流被切断。

- 1、RYthermal fuse is made up of star contact, spring and thermal pellet.
- 2、In the picture, we can see that current is started from the left down-lead, on the right. When the external temperature reaches operating temperature, and then separate the connection between star contact and the left down-lead. Thus, the current would be totally cut.

## 温度保险丝特性曲线图

### CHARACTERISTIC TEST



## 额定表

### RATED FORM

"TF" 额定动作温度  
Rated Functioning Temperature  
"TO" 实际动作温度  
Operating Temperature  
"TC" 保持温度  
Holding Temperature  
"TM" 极限温度  
Maximun Temperature Limit

序号 Number	型号 Part Number	TF °C	TO°C	TH°C	TM°C	额定电流 Rated Current	额定电压 Rated Voltage	通过认证 Pass certification			
								CCC	CB	UL	CE
1	RY72	72	72H0-5	40	150	16A/15A/10A	250V	●	●	●	●
2	RY77	77	77H0-5	51	140			●	●	●	●
3	RY84	84	84H0-5	58	140			●	●	●	●
4	RY86	86	86H0-5	59	150			●	●	●	●
5	RY94	94	94H0-5	64	150			●	●	●	●
6	RY98	98	98H0-5	65	150			●	●	●	●
7	RY107	107	107H0-5	69	150			●	●	●	●
8	RY112	112	112H0-5	82	150			●	●	●	●
9	RY113	113	113H0-5	89	150			●	●	●	●
10	RY117	117	117H0-5	85	150			●	●	●	●
11	RY121	121	121H0-5	90	150			●	●	●	●
12	RY126	126	126H0-5	93	180			●	●	●	●
13	RY128	128	128H0-5	104	180			●	●	●	●
14	RY133	133	133H0-5	100	180			●	●	●	●
15	RY141	141	141H0-5	111	180			●	●	●	●
16	RY142	142	142H0-5	115	200			●	●	●	●
17	RY156	156	156H0-5	125	200			●	●	●	●
18	RY157	157	157H0-5	130	200			●	●	●	●
19	RY170	170	170H0-5	142	200			●	●	●	●
20	RY172	172	172H0-5	145	210			●	●	●	●
21	RY184	184	184H0-5	150	300			●	●	●	●
22	RY192	192	192H0-5	170	250			●	●	●	●
23	RY192-1	192	192H0-5	155	300			●	●	●	●
24	RY194	194	194H0-5	180	300			●	●	●	●
25	RY216	216	216H0-5	180	380			●	●	●	●
26	RY229	229	229H0-5	200	380			●	●	●	●
27	RY240	240	240H0-5	200	380			●	●	●	●

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## 额定表 RATED FORM

"TF" 额定动作温度 / Rated Functioning Temperature

"TO" 实际动作温度 / Operating Temperature

"TC" 保持温度 / Holding Temperature

"TM" 极限温度 / Maximun Temperature Limit

顺序 Number	型号 Part Number	TF °C	TO °C	TH °C	TM °C	额定 电流 Rated Current	额定 电压 Rated Voltage	通过认证 Pass certification					
								CCC	CB	UL	CSA	CE	PA
1	RY65	65	65H0-5	38	100	10A 15A	250V 125V						
2	RY70	73	73H0-5	46	150			●	●	●	●	●	●
3	RY72	72	72H0-5	46	150			●	●	●	●	●	●
4	RY75	76	76H0-5	48	150			●	●	●	●	●	●
5	RY77	77	77H0-5	48	150			●	●	●	●	●	●
6	RY84	84	84H0-5	59	150			●	●	●	●	●	●
7	RY84	86	86H0-5	59	150			●	●	●	●	●	●
8	RY88	88	86H0-5	59	150			●	●	●	●	●	●
9	RY91	91	91H0-5	64	150			●	●	●	●	●	●
10	RY94	94	94H0-5	66	150			●	●	●	●	●	●
11	RY98	98	88H0-5	69	150			●	●	●	●	●	●
12	RY98	98	88H0-5	69	150			●	●	●	●	●	●
13	RY104	104	104H0-5	73	150			●	●	●	●	●	●
14	RY105	107	107H0-5	73	150			●	●	●	●	●	●
15	RY107	107	107H0-5	73	150			●	●	●	●	●	●
16	RY110	112	112H0-5	98	180			●	●	●	●	●	●
17	RY112	112	112H0-5	82	150			●	●	●	●	●	●
18	RY113	113	113H0-5	89	150			●	●	●	●	●	●
19	RY115	118	118H0-5	88	150			●	●	●	●	●	●
20	RY117	117	117H0-5	91	180			●	●	●	●	●	●
21	RY121	121	121H0-5	106	180			●	●	●	●	●	●
22	RY126	123	123H0-5	94	180			●	●	●	●	●	●
23	RY126	126	126H0-5	94	180			●	●	●	●	●	●
24	RY128	128	128H0-5	101	180			●	●	●	●	●	●
25	RY130	130	130H0-5	101	180			●	●	●	●	●	●
26	RY133	133	133H0-5	104	180			●	●	●	●	●	●
27	RY139	141	141H0-5	111	180			●	●	●	●	●	●
28	RY141	141	141H0-5	111	180			●	●	●	●	●	●
29	RY142	142	142H0-5	111	180			●	●	●	●	●	●
30	RY153	156	156H0-5	125	200			●	●	●	●	●	●
31	RY156	156	156H0-5	125	200			●	●	●	●	●	●
32	RY157	157	157H0-5	125	200			●	●	●	●	●	●
33	RY169	169	169H0-5	142	200			●	●	●	●	●	●
34	RY169	170	170H0-5	142	200			●	●	●	●	●	●
35	RY170	170	170H0-5	142	200			●	●	●	●	●	●
36	RY172	172	172H0-5	142	200			●	●	●	●	●	●
37	RY182	184	184H0-5	150	300			●	●	●	●	●	●
38	RY184	184	184H0-5	150	300			●	●	●	●	●	●
39	RY192	192	192H0-5	170	210			●	●	●	●	●	●
40	RY192-1	192	192H0-5	170	210			●	●	●	●	●	●
41	RY192	194	194H0-5	160	300			●	●	●	●	●	●
42	RY194	194	194H0-5	160	300			●	●	●	●	●	●
43	RY216	218	218H0-5	180	380			●	●	●	●	●	●
44	RY227	227	227H0-5	200	380			●	●	●	●	●	●
45	RY228	228	228H0-5	200	380			●	●	●	●	●	●
46	RY229	229	229H0-5	200	380			●	●	●	●	●	●
47	RY240	240	240H0-5	200	380			●	●	●	●	●	●
48	RY250	250	250H0-5	200	380			●	●	●	●	●	●
49	RY257	257	257H0-5	210	380			●	●	●	●	●	●
50	RY260	260	260H0-5	210	380			●	●	●	●	●	●