

# RY系列

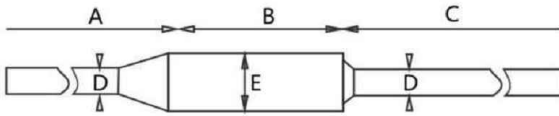


专业从事温度保险丝生产35年  
Specialized in producing thermal fuse over 35 years

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 PARAMEMETERS

Rated voltage

额定电压：125V-250V，AC

Rated current

额定电流：10A-16A

Frequency

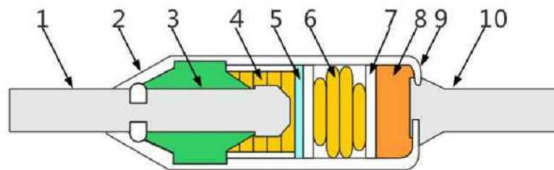
频率：50 or 60HZ

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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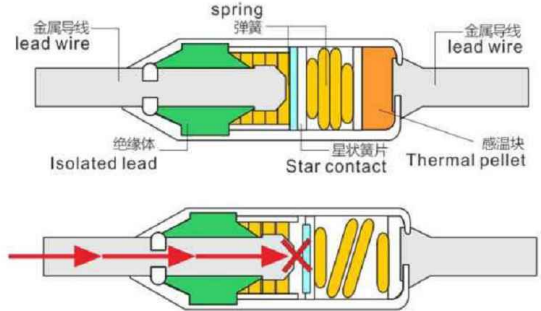
## 特点 TRAIT

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

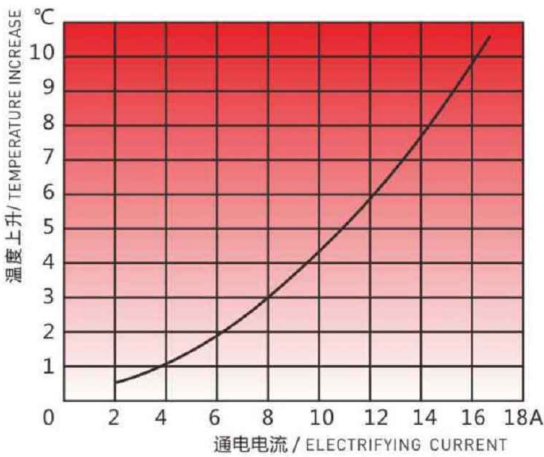


- 1、RY系列热熔断体由星状簧片、弹簧、感温块构成。
- 2、工作原理热熔断体启动之前电流从左侧引线流向星状簧片通过金属外壳向右侧引线流动。在外部温度达到预定温度时可熔体融化，压缩弹簧变松。即弹簧膨胀，星状簧片与左侧引线分离，与左侧引线间电流被切断。

- 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	VDE			
1	RY65	65	65+0-5	38	100	10A 15A	250V 125V									
2	RY70	73	73+0-5	46	150											
3	RY72	72	72+0-5	46	150											
4	RY75	76	76+0-5	48	150											
5	RY77	77	77+0-5	48	150											
6	RY84	84	84+0-5	59	150											
7	RY84	86	86+0-5	59	150											
8	RY88	88	86+0-5	59	150											
9	RY91	91	91+0-5	64	150											
10	RY94	94	94+0-5	66	150											
11	RY96	98	98+0-5	69	150											
12	RY98	98	98+0-5	69	150											
13	RY104	104	104+0-5	73	150											
14	RY105	107	107+0-5	73	150											
15	RY107	107	107+0-5	73	150											
16	RY110	112	112+0-5	98	180											
17	RY112	112	112+0-5	82	150											
18	RY113	113	113+0-5	89	150											
19	RY115	118	118+0-5	88	150											
20	RY117	117	117+0-5	91	180											
21	RY121	121	121+0-5	106	180											
22	RY126	123	123+0-5	94	180											
23	RY126	126	126+0-5	94	180											
24	RY128	128	128+0-5	101	180											
25	RY130	130	130+0-5	101	180											
26	RY133	133	133+0-5	104	180											
27	RY139	141	141+0-5	111	180											
28	RY141	141	141+0-5	111	180											
29	RY142	142	142+0-5	111	180											
30	RY153	156	156+0-5	125	200											
31	RY156	156	156+0-5	125	200											
32	RY157	157	157+0-5	125	200											
33	RY169	169	169+0-5	142	200											
34	RY169	170	170+0-5	142	200											
35	RY170	170	170+0-5	142	200											
36	RY172	172	172+0-5	142	200											
37	RY182	184	184+0-5	150	300											
38	RY184	184	184+0-5	150	300											
39	RY192	192	192+0-5	170	210											
40	RY192-1	192	192+0-5	170	210											
41	RY192	194	194+0-5	160	300											
42	RY194	194	194+0-5	160	300											
43	RY216	216	216+0-5	180	380											
44	RY227	227	227+0-5	200	380											
45	RY228	228	228+0-5	200	380											
46	RY229	229	229+0-5	200	380											
47	RY240	240	240+0-5	200	380											
48	RY250	250	250+0-5	200	380											
49	RY257	257	257+0-5	210	380											
50	RY260	260	260+0-5	210	380											