

# RY系列

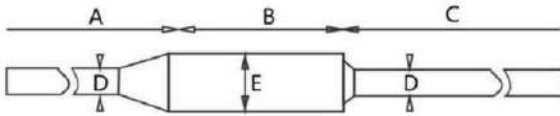


专业从事温度保险丝生产35年  
Specialized in producing thermal fuse over 35 years

UL  CQC  PS  CE  CCC  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

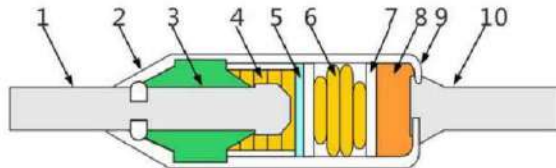
频率：50 or 60HZ

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

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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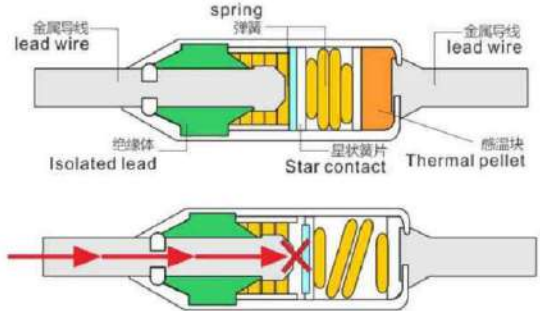
## 特点 TRAIT

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

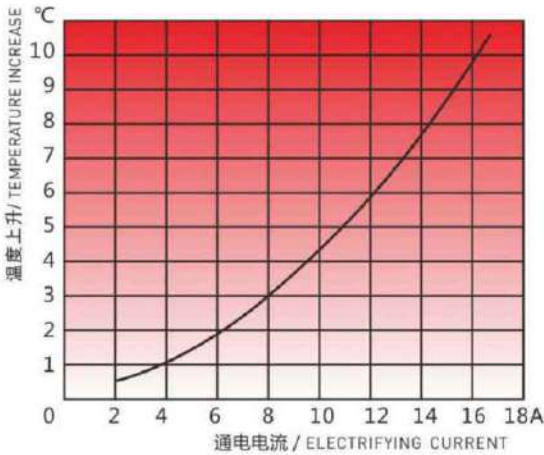


- 1、RY系列热熔断体由星状簧片、弹簧、感温块构成。
- 2、工作原理热熔断体启动之前电流从左侧引线流向星状簧片通过金属外壳向右侧引线流动。在外部温度达到预定温度时可熔体融化，压缩弹簧变松。即弹簧膨胀，星状簧片与左侧引线分离，与左侧引线间电流被切断。

- 1、RYthermal fuse is made up of star contact, spring and thermal pellet.
- 2、In the picture, we can see the 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

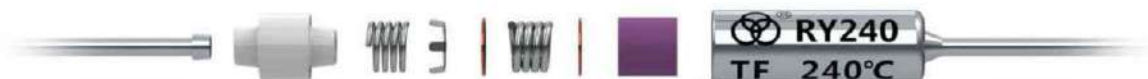
### RATED FORM

\*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

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	CE
1	RY72	72	72±0-5	40	150	16A/15A/10A	250V	●	●	●	●
2	RY77	77	77±0-5	51	140			●	●	●	●
3	RY84	84	84±0-5	56	140			●	●	●	●
4	RY86	86	86±0-5	56	150			●	●	●	●
5	RY94	94	94±0-5	64	150			●	●	●	●
6	RY98	98	98±0-5	65	150			●	●	●	●
7	RY107	107	107±0-5	69	150			●	●	●	●
8	RY112	112	112±0-5	82	150			●	●	●	●
9	RY113	113	113±0-5	86	150			●	●	●	●
10	RY117	117	117±0-5	85	150			●	●	●	●
11	RY124	124	124±0-5	90	150			●	●	●	●
12	RY126	126	126±0-5	93	180			●	●	●	●
13	RY128	128	128±0-5	104	180			●	●	●	●
14	RY133	133	133±0-5	100	180			●	●	●	●
15	RY144	144	144±0-5	111	180			●	●	●	●
16	RY142	142	142±0-5	115	200			●	●	●	●
17	RY156	156	156±0-5	125	200			●	●	●	●
18	RY157	157	157±0-5	130	200			●	●	●	●
19	RY170	170	170±0-5	142	200			●	●	●	●
20	RY172	172	172±0-5	145	210			●	●	●	●
21	RY184	184	184±0-5	150	300			●	●	●	●
22	RY192	192	192±0-5	170	250			●	●	●	●
23	RY192-1	192	192±0-5	155	300			●	●	●	●
24	RY194	194	194±0-5	160	300			●	●	●	●
25	RY216	216	216±0-5	180	300			●	●	●	●
26	RY220	220	220±0-5	200	300			●	●	●	●
27	RY240	240	240±0-5	200	300			●	●	●	●

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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	VDE	CE	RoHS		
1	K165	65	65+0-5	38	100										
2	K179	73	73+0-5	46	150										
3	K172	72	72+0-5	46	150										
4	K176	78	78+0-5	48	150										
5	K177	77	77+0-5	48	150										
6	K184	84	84+0-5	59	150										
7	K184	85	86+0-5	59	150										
8	K186	85	86+0-5	59	150										
9	K191	91	91+0-5	64	150										
10	K194	94	94+0-5	66	150										
11	K196	96	98+0-5	69	150										
12	K198	98	98+0-5	69	150										
13	K1104	104	104+0-5	73	150										
14	K1105	107	107+0-5	73	150										
15	K1107	107	107+0-5	73	150										
16	K1110	112	112+0-5	88	180										
17	K1112	112	112+0-5	82	150										
18	K1113	113	113+0-5	89	150										
19	K1115	118	118+0-5	88	150										
20	K1117	117	117+0-5	91	180										
21	K1121	121	121+0-5	106	180										
22	K1126	123	123+0-5	94	180										
23	K1126	125	128+0-5	94	180										
24	K1128	128	128+0-5	101	180										
25	K1130	130	130+0-5	101	180										
26	K1133	133	130+0-5	104	180	10A 16A	250V 125V								
27	K1139	141	141+0-5	111	180										
28	K1141	141	141+0-5	111	180										
29	K1142	142	142+0-5	111	180										
30	K1153	156	156+0-5	125	200										
31	K1156	158	156+0-5	125	200										
32	K1157	157	157+0-5	125	200										
33	K1158	169	166+0-5	142	200										
34	K1159	170	170+0-5	142	200										
35	K1170	170	170+0-5	142	200										
36	K1172	172	172+0-5	142	200										
37	K1182	184	184+0-5	150	300										
38	K1184	184	184+0-5	150	300										
39	K1182	192	192+0-5	170	210										
40	K1192-1	192	192+0-5	170	210										
41	K1192	194	194+0-5	180	300										
42	K1194	194	194+0-5	180	300										
43	K1216	216	216+0-5	180	300										
44	K1227	227	227+0-5	200	300										
45	K1228	229	228+0-5	200	300										
46	K1229	229	229+0-5	200	300										
47	K1240	240	240+0-5	200	300										
48	K1250	250	250+0-5	200	300										
49	K1257	257	257+0-5	210	300										
50	K1260	260	260+0-5	210	300										

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