SANYUAN

三元

专业从事温度保险丝生产35年

Specialized in producing thermal fuse for over 35 years

CB ROHS REACH

SANYUAN

三元

RH-3系列

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

型号 Model Rated	TF ℃	TO ℃	TH ℃	TM ℃	额定电流 Rated current	额定电压 Rate dvoltage	通过认证 Pass certification
RH-3-200	200	195±5	150	280	10A	250V	CB
RH-3-230	230	225±5	180	280			
RH-3-240	240	235±5	190	280			

术语解释
TERMS

额定动作温度（TF）：热熔断体按标准规定方法测试，改变其导电状态的温度。按基于IEC60691安全标准规定，热熔断体必须在上述温度+0/-10℃ 范围内动作。（日本电气用品管理法规定公差范围为+/-7℃ 范围内动作）。

实际动作温度：热熔断体在硅油池每分钟0.5-1℃ 速率升温，检测电流小于10mA条件下测得的熔断温度，它是温度保险丝的实际动作温度。
保持温度（TC）：热熔断体在通过额定电流时，能保持168小时而不会改变其导电状态的最高温度。
极限温度（TM）：热熔断体能承受10分钟而不会发生重新接触接通现象的最高温度。
额定电流（LR）：热熔断体能承受的最大电流。
额定电压（UR）：热熔断体最高工作电压。

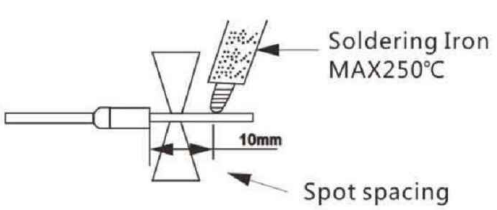
Terminological Interpretation

Rated function temperature(TF):According to the standard Prescriptive measure testing, the temperature that change conduction state of the tmalfuse. Based on the IEC691 safety standards, thermal fuse should operate within the prescribed temperature tande of +0 to -10℃
Holding temperature(TC): The maximum temprature at which, when applying a rated current to the thermal cutoff, the state of conductiveity is not changded during 168 hours.
Maximum temperature(TM): The maximum temperature that thermal fuses could hold in iominutes for which conductivity does not occur again after thermal cutoff operation.
Rated current: Maximum alternming current that can pass through the thermal cutoff and the thermal cutoff can cut off in safety and reliability.
Rated Voltage:Maximum circuit voltage that the thermal cutooff can cut off in safety and reliability.

引线的焊接焊锡
WELDING OF DOWN-LEAD

焊锡最好是在离保险丝远处进行，至少离主体10mm以上，要使热熔断体的热传递量最小化。为减少焊锡时间先焊锡然后再焊接。引线连接的机械强度不能仅依赖焊锡。

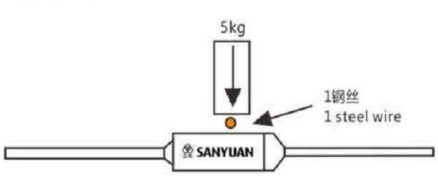
It would be better to solder faraway from the fuse tube, at least away from the tube 10mm. When in solding, the heart transfer on fuse tube should be minimized. In order to reduce the welding time, it had better solder tin on the place where need to weld. The mechanical strength of lead connection shoulde not just rely on soldering tin.



机械强度
MECHANICAL STRENGTH

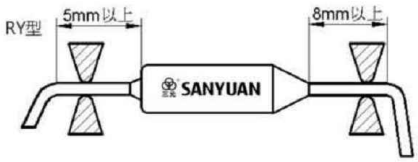
作用于外壳上的压缩力不得超过5KG，而且主体上不能施加太大的冲击力，要注意受大冲击力的热熔断体有可能不动作。

Compression force acting on the shell shall not be more than 5 kg, and can't put too much impact on the body, pay attention to that the thermal fuse body could not move on the impact of a big punch .



安装
INSTALLATION

安装时注意勿使环氧树脂短路，例如：使环氧树脂处A引脚与保险丝外壳相接触等，否则电流将通过短路体流过，不能切断电路。有机物感温型热熔断体外壳本体带电，安装时注意勿使热熔断体外壳与其它安装金属部件相接触，表面需要做绝缘防护处理。环氧树脂封装端的引出线若需折弯使用，请在距离环氧树脂部位8mm以外进行，以免损坏绝缘子，另一端的引出线的折弯，在距离外壳5mm以外进行。折弯时，请先固定引出线（环氧树脂部位不能施加作用力）然后进行折弯作业。



施加在引线上的轴向力(拉力或推力)，不可超过国际标准IEC60691规定的试验"拉力"或"推力"，对于RY系列热熔断体，最大试验拉力为16N，最大试验推力为4 N，前期必须进行样品测试验证，以确保在生产过程中不会产生超过最大试验"拉力"及"推力"于引线上。另外固定热熔断体时不要施加过大的压力于壳体、封口树脂或引线上(如拉引热熔断体，夹持过度或捆扎过紧)，这样会引起热熔断体损伤、破坏环氧树脂的密封性能或造成应力集中在引脚上等非正常现象。可扭转热熔断体(例如：引线相对壳体旋转)。引线在安装时不可被损伤、打缺口、锐利角度弯曲、烧灼。封口树脂及外壳不可被损伤、烧灼或过热。

When mounting, be careful of the short circuit of epoxy resin, for example, to avoid the contact between lead wire A and the case, otherwise, the current will flow from the lead wire on the epoxy resin seal side to the opposite lead wire so that the thermal-link can not break the circuit.
Organic temperature-sensing thermal-link is live device, be sure that the case will have no contact with other metal mounting parts and insulation protection is provided on its surface.
When bending the lead wire on the epoxy resin side, please bend it at or beyond a distance of 8mm from the epoxy resin seal so as to avoid impairing the isolated lead.
When bending the lead wire on the case side, please bend it at or beyond a distance of The tensile and thrust force applied on the lead wire should not exceed the test force required by IEC 60691. The maximum test tensile force of thermal-links RY series is 16N and the maximum test thrust force is 4N.
In addition, when fixing the thermal-links, be careful not to apply excessive force to the case, epoxy resin seal or the lead wire (like pulling, over-tightening or over-clamping), which can damage the properties of the thermal-links.
When mounting lead wire, be sure not to pull, push, twist at a sharp angle or burn it. Be careful not to damage, burn or overheat the epoxy resin seal or the case.

储存
STORAGE

RY系列热熔断体的本体与A引线采用表面镀银处理，由于不正当的防护，产品会因硫化等原因引起表面变色。此时表面的标志将难于识别，焊接压接特性也将受到影响。建议在保存运输时请勿直接放置在纸箱、皮箱等易产生含硫磺气体的物质附近。需要储放在纸箱中长期保存时，应对热熔断体进行密封包装，不能直接暴露在空气中。

The body and the lead wire A of thermal-links RY series are silver plated, inappropriate protection can lead to discolor cause by sulfuration.In that case, the marking of the body will become difficult to identify or the soldering ability of the lead wire will decline. To avoid this, it is suggested not to store the thermal-link directly in a case made of the materials like cardboard or leather which generates sulfur gas.

使用环境
ENVIRONMENT

避免在水、有机溶液等液体或高湿度结露的条件下使用，不可在二氧化碳、氢氧化物等腐蚀性气体的环境中使用。

Water warning
Do not use the device in water, solvent or in a high humidity environment.
Fire warning
Do not expose the device to the environment of corrosive gases like carbon dioxide or hydroxide.