

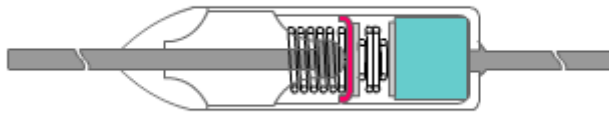
# THERMAL LINKS Global DONG-YANG



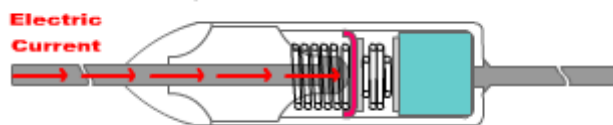
Highly Reliable Safety Device



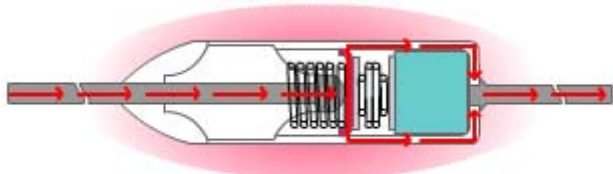
EK (korea)	HH05009-2001A~2019A,5020A~5023A
UL/cUL	E117626 <a href="#">more</a>
VDE	40017388 <a href="#">more</a>
PSE	JET2926-32001-1001~1011
CCC	2003010205079617

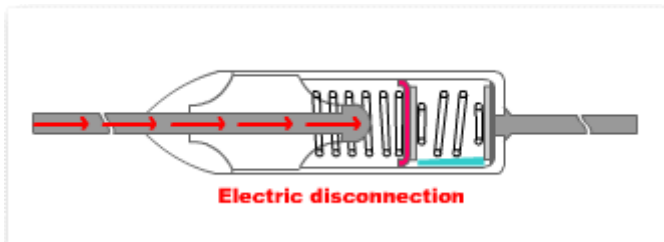


*An Ambient Temperature*

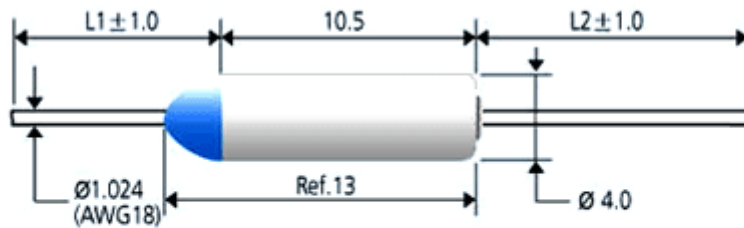


**Heat Generation**





## Dimensions · mm



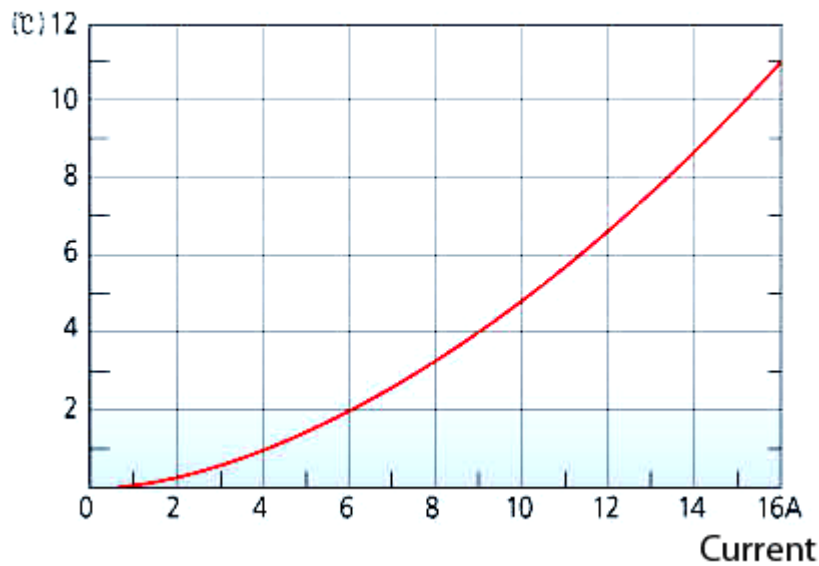
type	L1	L2
S	25.4	35.0
S-L	35.0	35.0
Option	Custom made	Custom made

$$T_p + T_s + T_D + \alpha = \text{applicable temperature}$$

## Terminology

- $T_p$  : The highest temperature of the product to which a cutoff is to be attached
- $T_s$  :  $24c (T_f - T_h)$  (Apply 35c for  $T_s$  value when  $T_p$  is higher than 170c)
- $T_D$  : The heating temperature caused by electrical load  
(Please refer temperature / Current correlation curve)
- $T_F$  : Operating temperature
- $T_H$  : The safe temperature range for use of the cutoff.
- $T_M$  : Maximum temperature limit which does not cause reclosing of thermal links.
- + $\alpha$  : 1. Self heating of lead wire
- 2. Structure of ventilation or airtightness
- 3. Location of connecting terminal
- 4. Thickness of insulated covering material
- 5. Best condition value considering electric voltage changes

## Temperature



### Safe temperature range

After operation, the temperature increased by the remaining heat in a cutoff should remain below  $T_M$ .

Under ordinary usage conditions, the temperature of the area where a cutoff will be attached should not reach over  $T_H$

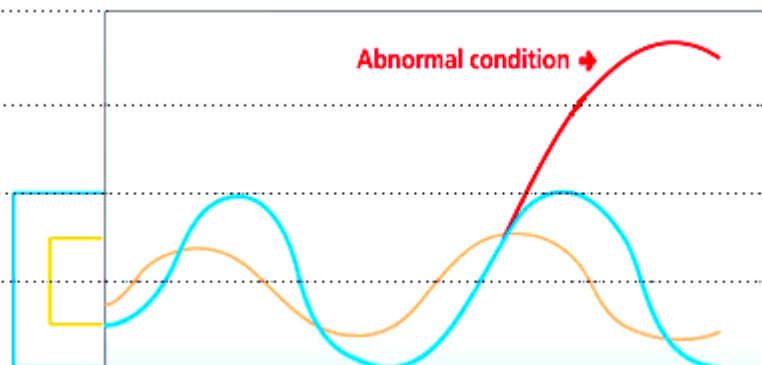
$T_M$  (maximum temperature)

$T_F$  (functioning temperature)

$T_H$  (holding temperature)

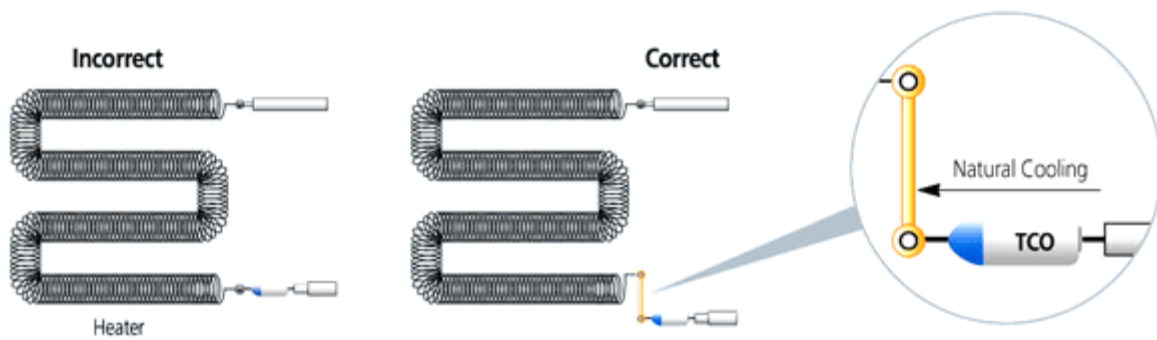
Thermostat's control range

Actual temperature range



### Cautions

- Keep a space of more than 3mm from the body of a fuse when bending a lead wire.
- Do not heat more than  $T_F-24c$  when soldering or welding
- Be aware that the electric current flows on the surface of a fuse
- Do not use in liquid or poisonous gases such as sulfurous acid and nitric oxide
- Do not connect heater directly with a fuse.(see below.)



**Important notice :** All the information regarding 'selecting products' should be used as reference or guideline. An individual condition for each application can differ case by case. An assembly company or a manufacturer willing to install DYE fuses to their products should run the confirmation test by themselves prior to any actual application. Although the final decision should be made by those who need DYE fuses for their products, any inquiry in this process is always welcome at any time.