



Description

The thermal fuse DF (cutoff) offers the simplest and smallest way to protect small electrical devices against thermal overload. In case of overheating, the thermal fuse will interrupt the current circuit of the appliance.

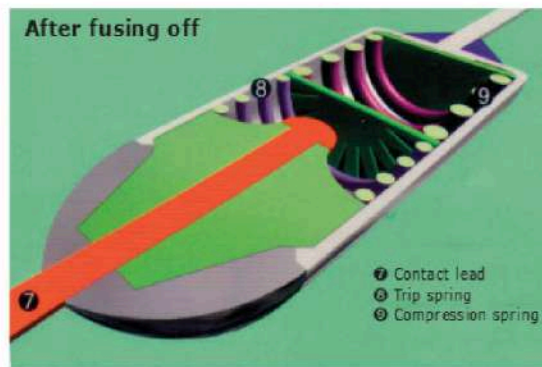
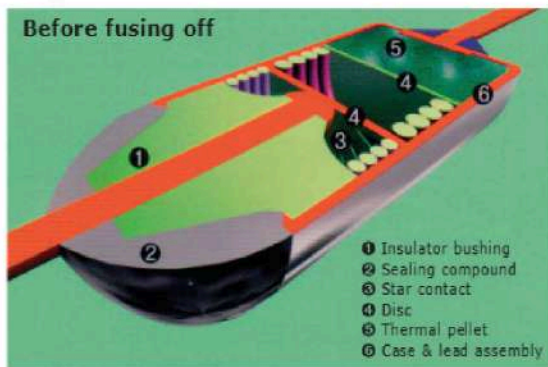
The thermal fuse DF is a one shot device and has to be replaced after its intended use.

Typical application

The thermal fuse DF can be used in a variety of applications, such as: home appliances, electric motors, transformers, electrical ballasts etc.

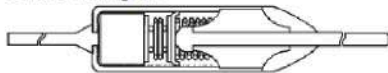
The fuse DF S and S-L (long leads) are VDE and UL approved and are RoHS conform.

Working principle of the Thermal Fuse DF

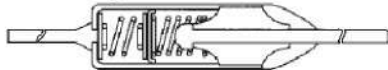


Operating method

Before fusing off

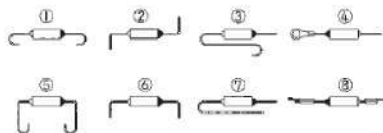


After fusing off

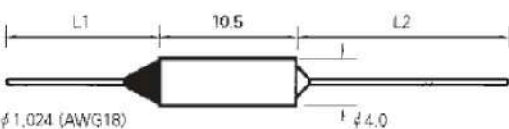


Typ	L1	L2
S	25,4	35,0
S-L	35,0	35,0
Option	others on inquiry	

Example:



Dimension



Caution

Keep a distance of more than 3 mm from the body of the cutoff fuse when mounting the lead wire. Do not heat more than TF -24°C when soldering or welding. Fuse body live.



Technical specifications					
Part No.	Function Temp T_F	Max. Temp T_M	Electrical Rating	Approval	
				VDE	UL
DF 50 S	50°C	150°C			
DF 57 S	57°C	150°C			
DF 66 S	66°C	110°C		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
DF 72 S	72°C	115°C		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
DF 77 S	77°C	120°C		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
DF 84 S	84°C	125°C		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
DF 91 S	91°C	140°C		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
DF 98 S	98°C	135°C		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
DF 100 S	100°C	150°C		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
DF 104 S	104°C	140°C		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
DF 110 S	110°C	170°C		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
DF 115 S	115°C	170°C			
DF 119 S	119°C	170°C	max. 250 V max. 16A	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
DF 121 S	121°C	155°C			
DF 128 S	128°C	171°C		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
DF 139 S	139°C	171°C	Tolerance TF +0°C/-5°C		<input checked="" type="checkbox"/>
DF 141 S	141°C	250°C		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
DF 144 S	144°C	176°C		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
DF 152 S	152°C	210°C			<input checked="" type="checkbox"/>
DF 167 S	167°C	300°C		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
DF 170 S	170°C	200°C		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
DF 184 S	184°C	290°C		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
DF 192 S	192°C	241°C		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
DF 216 S	216°C	300°C		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
DF 228 S	228°C	200°C		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
DF 240 S	240°C	290°C		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
DF 260 S	260°C	300°C			
DF 280 S	280°C	300°C			

Safe temperature range

T_M Absolute max. ambient temperature. After cutoff, the maximum temperature is required to remain below T_M .

T_F Operating (melting) temperature

T_H Temperature of the area where the cutoff will be attached.
Should not exceed under ordinary usage conditions
($T_H = T_F - 24^\circ\text{C}$)

