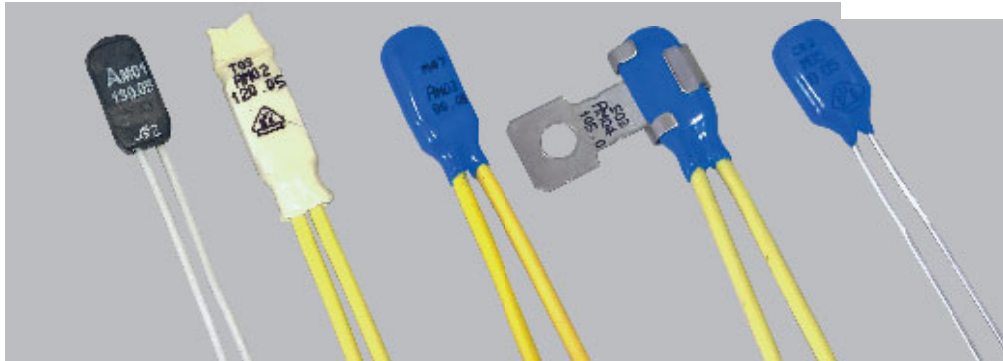


Thermal cut – out

AM01, AM02, AM03, AM04, AM05



The smallest thermal protection of small motors and transformers.
Also available as normally open.



QUALITY & EXPERIENCE SINCE 1979

Standard Specifications

- Contact configuration: normally closed
- Range of rated switching temperatures: 65°C - 150°C
- Switching differential: $30 \pm 15K$
- Switching temperature tolerance: $\pm 5K / \pm 10K$

Sample Applications

- Motor protector
- Solenoid protector
- Transformer protector
- Power transistor protection

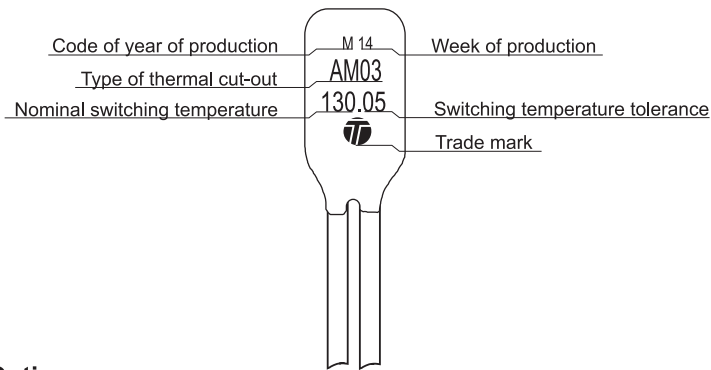
Features

- Snap action type bimetal thermostat
- Solid and insulated lead wire options
- The ability to connect in series

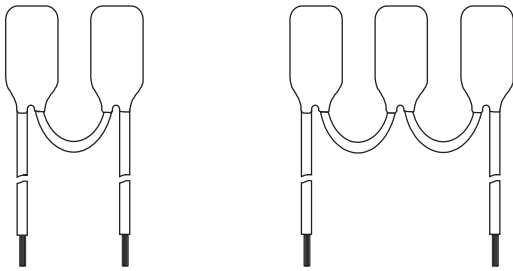


Thermal cut – out AM01, AM02, AM03, AM04, AM05

Marking

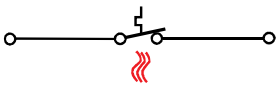


Options:



- Double cables
- Triple cables
- Non-standard temperatures acc. to customer requirements
- With serial thermal fuse

Electrical scheme



Type of thermal cut-out	AM01 AM01*	AM02	AM03/AM04	AM05
Contact	SPST, normally closed			
Rated voltage	250 V; AC			
Rated current of resistance loading $I_{zn}, \cos\varphi = 1,0$ of resistance and induction loading $I_x, \cos\varphi = 0,6$	2,5 A 1,6 A			
Number of switching cycles at rating loading	10 000 cycles			
Range of rated switching temperatures	65 -130°C 65 -150°C	65°C - 150°C		
Switching temperature tolerance (standard)	±5K / ±10K			
Switching differential	30 ± 15K			
Speed of temperature changes	0,5 ÷ 1K / min			
Thermal resistance	max 170°C 190°C / 1min	max 190°C / 1min		
Degree of protection	IP 00			
Degree of pollution (acc. to EN-60730-1)	2			
PTI of material used for insulation	250 V			
Rated impulse voltage	1000 V 2000 V; 50 Hz	2500 V; 50 Hz		
Contact resistance	max 40 mΩ			
Construction	for incorporation/ non-electronic			
Approvals	VDE, UL			

