



TOMIC S. A.

ŻUROMIN POLAND

Factory and Sales

TOMIC S.A.

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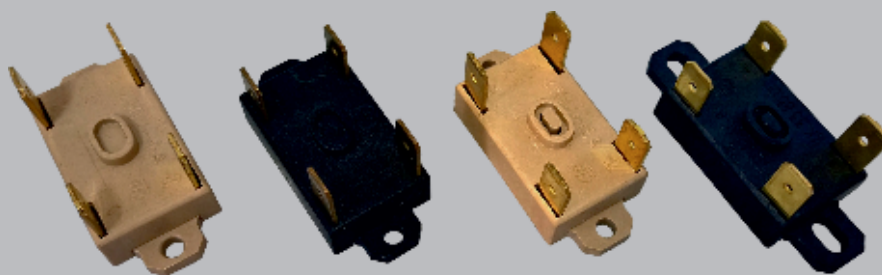
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Thermal cut – out AK03, AK33



Double pole thermal cut-outs types AK guarantee disconnection on two poles. For single-phase devices of alternating current and for devices of direct current it means disconnection both supplying conductors by one switching off. Available as normally open.

DIN EN ISO 9001:2008

VDE Testing and Certification Institute

QUALITY & EXPERIENCE SINCE 1979



Standard Specifications

- Contact configuration: normally closed
- Range of rated switching temperatures: 65°C - 150°C
- Switching differential: $30 \pm 15K$ / manual reset
- Switching temperature tolerance: $\pm 5K / \pm 10K$
- Rated current of resistance loading: 16A

Sample Applications

- Water heaters
- Electric heaters
- Boilers and steam generators
- Large tank heaters
- Ventilating equipment
- Vending machine
- Hand dryers

Features

- Available in automatic and manual reset
- Snap action type bimetal thermostat
- Double pole thermal reset cut-outs
- Available in various mounting configuration

Marketing & Sales In Western Europe

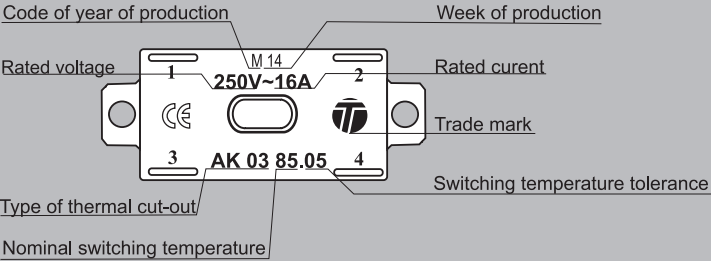
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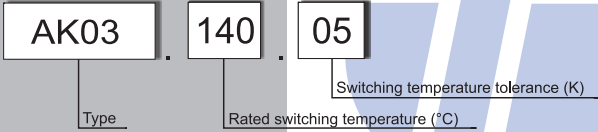


Thermal cut – out AK03, AK33

Marking

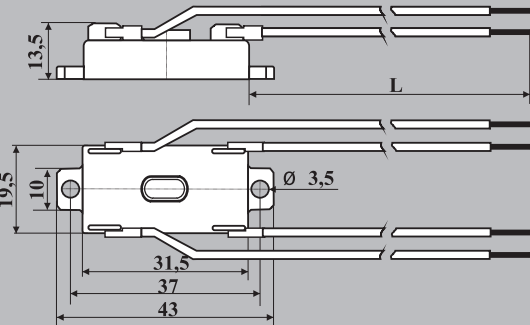


Ordering example

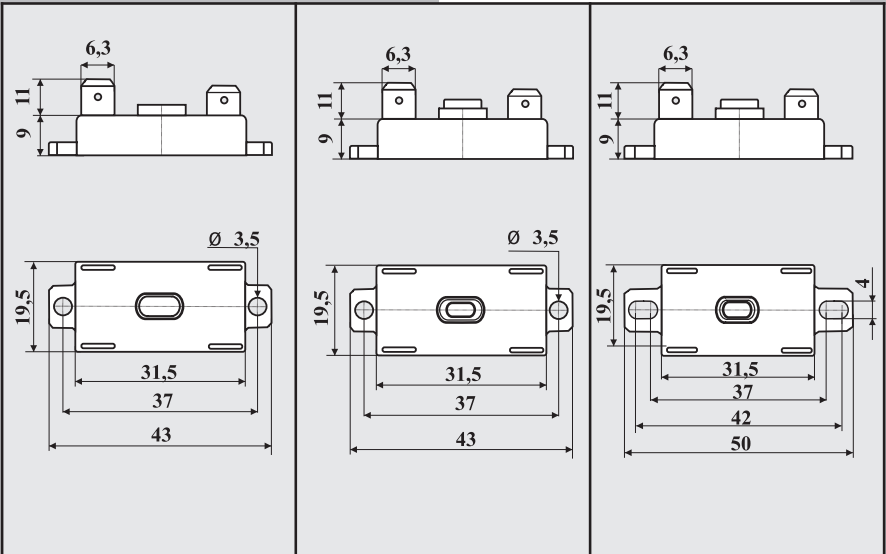
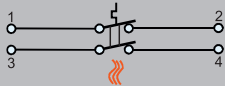


Options:

With cables



Electrical scheme



Type of thermal cut-out	AK 03	AK 33	AK 33S
Contact	DPST, 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 , $\cos\varphi = 0,6$	16 A 6 A		
Number of switching cycles at rating loading	10 000 cycles		
Range of rated switching temperatures	65°C - 150°C		
Switching temperature tolerance (standard)	±5K / ±10K		
Switching differential	30 ± 15K	manual reset	
Speed of temperature changes	0,5 ÷ 1K / min		
Thermal resistance	max 210°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	2500 V; 50 Hz		
Contact resistance	max 40 mΩ		
Construction	for incorporation in class I equipment		