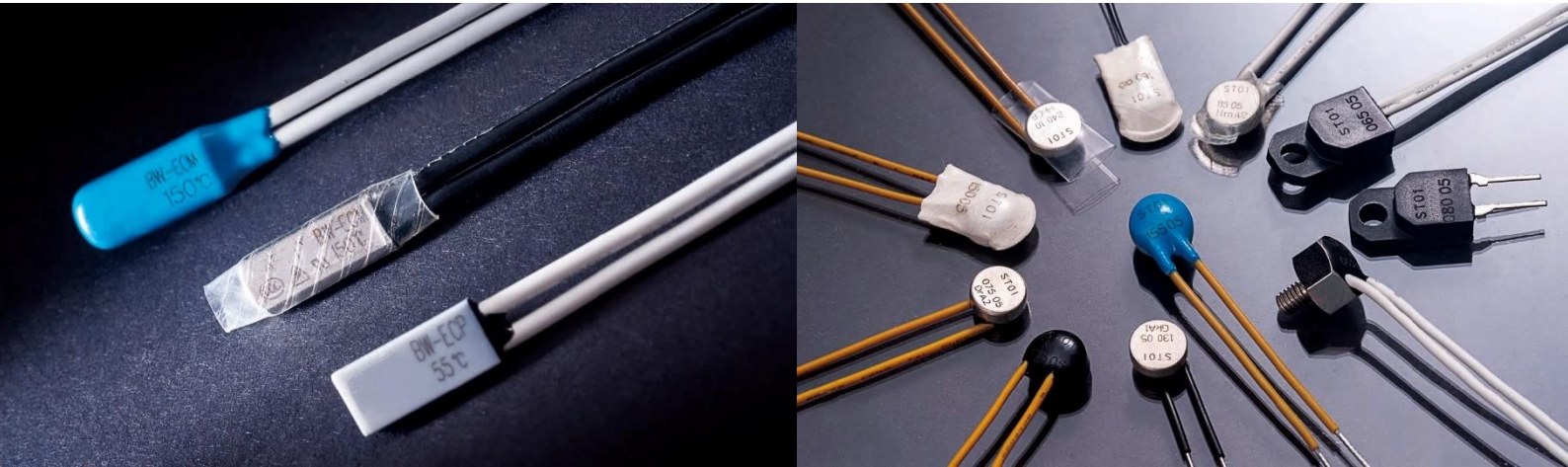


Temperature switches



Precise and reliable temperature switches for your applications

Our temperature switches are essential for the safe and precise control of circuits. They typically consist of a bimetal, a spring disc, a housing made of plastic, ceramic, or metal, insulation, and connecting wires.

Functionality:

When the nominal switching temperature is reached due to rising ambient temperatures or increased current (current-sensitive only), the bimetal disc snaps into its opposite position. This opens or closes the contact system, interrupting or restoring the electrical circuit. Depending on the design of the bimetal switch, resetting occurs automatically or manually after cooling down. For temperature switches with electrical locking (with PTC), the power supply must be interrupted before resetting.

Special features:

- High switching temperature accuracy
- Automatic or manual reset
- Current-sensitive or current-insensitive variants
- Available with self-hold (PTC thermistor)
- Temperature range from -45°C to 425°C
- Current load capacity from 1mA to 30A
- Voltages up to AC 400V and DC 60V
- Custom manufacturing according to customer requirements
- Up to 10,000,000 mechanical cycles
- Miniature versions available

Areas of application:

- Transformers
- Power supplies
- Heating elements
- Electronic circuits
- Water heaters
- Electrical ballasts
- Electric drives
- Solenoid valves
- Battery management
- Energy storage
- Frost protection

Series	Switching temperature	switching capacity			Switching type	Page
		V	A	Cycles		
ST01	60°C ... 200°C	AC 250	6,3	3.000	NC / NO	3 - 4
		DC 12	10	3.000		
ST01HT	205°C ... 250°C	AC 250	6,3	3.000	NC	4
		DC 12	10	3.000		
ST01H PTC self-hold	60°C ... 200°C	AC 250	6,3	1.000	NC	4
		DC 12	10	1.000		
ST06	60°C ... 200°C	AC 250	10	10.000	NC / NO	5
ST06HT	205°C ... 250°C	AC 250	10	10.000	NC	5
STH6	60°C ... 200°C	AC 250	35	2.000	NC	5
		DC 24	60	3.000		
STY6 star point	60°C ... 200°C	3x AC 400	6,3	3.000	NC	5
BW-E	45°C ... 160°C	AC 250	2	5.000	NC / NO	6
		DC 24	3	5.000		
BW-B	40°C ... 160°C	AC 250	6	10.000	NC / NO	6 - 7
		DC 24	6	10.000		
ST07	50°C ... 180°C	AC 270	10	10.000	NC / NO	7
		AC 120	22	10.000		
		DC 16	20	10.000		
ST07H PTC self-hold	50°C ... 180°C	AC 270	10	10.000	NC	7
		AC 120	22	10.000		
		DC 16	20	10.000		
TB11 (PTC self-hold)	35°C ... 160°C	AC 250	11	10.000	NC / NO	7
		AC 115	13	10.000		
		DC 24	15	10.000		
		DC 12	16	10.000		
ST-22	50°C ... 145°C	AC 250	7	10.000	NC	7
		DC 60	2,2	6.000		
BW-D (Gold contacts)	45°C ... 150°C	AC 250	6	10.000	NC / NO	7
		DC 24	6	10.000		
AT-T23	50°C ... 180°C	AC 250	10	100.000	NC / NO / manual reset	8
AT-T24	40°C ... 250°C	AC 250	16	100.000	NC / NO / manual reset	8
TK24HT	200°C ... 425°C	AC 250	10	10.000	NC	8
TKP	-45°C ... 250°C	AC 250	16	100.000	NC	8
MQT8	-10°C ... 110°C	AC 250	1,3	100.000	NC / NO	8
		DC 24	1,3	100.000		
		AC 250	0,325	1.000.000		
		DC 24	0,325	1.000.000		
M2 / M3	-10°C ... 110°C	AC 250	3,0	100.000	NC / NO	9
		DC 24	3,0	100.000		
		AC 250	0,75	1.000.000		
		DC 24	0,75	1.000.000		
MQT81P	-10°C ... 110°C	AC 250	1,3	100.000	NC / NO	9
		DC 24	1,3	100.000		
		AC 250	0,325	1.000.000		
		DC 24	0,325	1.000.000		

Subject to changes and errors excepted.



ST01 U1

- 60°C – 200°C
- AC 250V 6.3A | DC 12V 10A
- NC or NO
- Automatic reset
- Metal housing
- Mylar-Nomex insulation

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ST01 U2

- 60°C – 200°C
- AC 250V 6.3A | DC 12V 10A
- NC or NO
- Automatic reset
- Metal housing
- Without insulation

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ST01 U3

- 60°C – 200°C
- AC 250V 6.3A | DC 12V 10A
- NC or NO
- Automatic reset
- Metal housing
- Without insulation

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ST01 U4

- 60°C – 155°C
- AC 250V 6.3A | DC 12V 10A
- NC or NO
- Automatic reset
- Metal housing
- Epoxy insulation

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ST01 U5

- 60°C – 200°C
- AC 250V 6.3A | DC 12V 10A
- NC or NO
- Automatic reset
- Metal housing
- PET insulation

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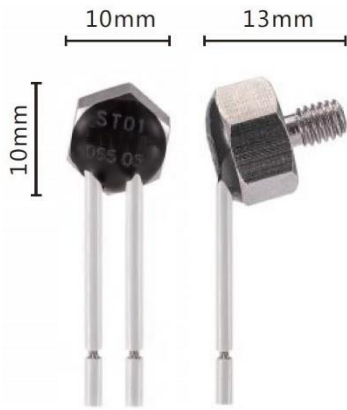


ST01 U6

- 60°C – 200°C
- AC 250V 6.3A | DC 12V 10A
- NC or NO
- Automatic reset
- Metal housing
- Plastic insulation

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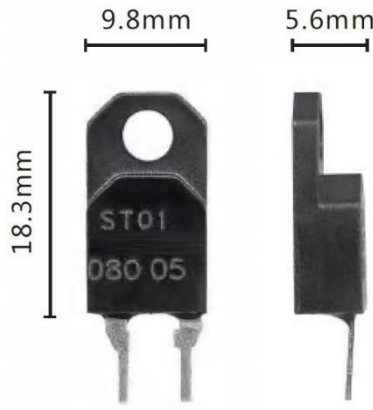
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ST01 U7

- 60°C – 200°C
- AC 250V 6.3A | DC 12V 10A
- NC or NO
- Automatic reset
- Metal housing
- Isolated screw head M4x6mm

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ST01 U8

- 60°C – 200°C
- AC 250V 6.3A | DC 12V 10A
- NC or NO
- Automatic reset
- Metal housing
- Plastic insulation

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ST01 U9

- 60°C – 200°C
- AC 250V 6.3A | DC 12V 10A
- NC or NO
- Automatic reset
- Metal housing
- Plastic insulation

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ST01HT

- 205°C – 250°C
- AC 250V 6.3A | DC 12V 10A
- NC
- Automatic reset
- Metal housing
- PTFE insulation

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ST01 H

- 60°C – 200°C
- AC 250V 6.3A | DC 12V 10A
- NC
- PTC self-hold
- Metal housing
- Mylar-Nomex insulation

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ST01 Drilling

- 60°C – 200°C
- AC 250V 6.3A | DC 12V 10A
- NC
- Automatic reset
- Metal housing
- Mylar-Nomex insulation

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ST06 U1

- 60°C – 200°C
- AC 250V 10A | DC 24V 40A
- NC or NO
- Automatic reset
- Metal housing
- Mylar-Nomex insulation

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ST06 U2

- 60°C – 200°C
- AC 250V 10A | DC 24V 40A
- NC or NO
- Automatic reset
- Metal housing
- Without insulation

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ST06 U4

- 60°C – 155°C
- AC 250V 10A | DC 24V 40A
- NC or NO
- Automatic reset
- Metal housing
- Epoxy insulation

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ST06 HT

- 205°C – 250°C
- AC 250V 10A
- NC
- Automatic reset
- Metal housing
- PTFE insulation

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STH6

- 60°C – 200°C
- AC 250V 35A | DC 24V 60A
- NC
- Automatic reset
- Metal housing
- Mylar-Nomex insulation

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STY6 Sternpunkt

- 60°C – 200°C
- AC 400V 6.3A
- NC
- Automatic reset
- Metal housing
- Mylar-Nomex insulation

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BW-E_P

- 45°C – 160°C
- AC 250V 2A | DC 24V 3A
- NC or NO
- Automatic reset
- Plastic housing

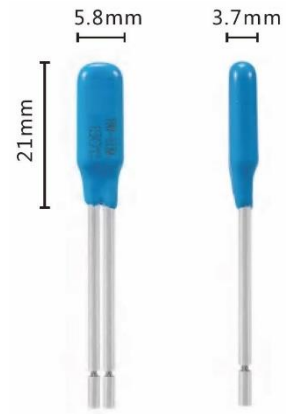
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BW-E_M

- 45°C – 160°C
- AC 250V 2A | DC 24V 3A
- NC or NO
- Automatic reset
- Metal housing
- PET insulation

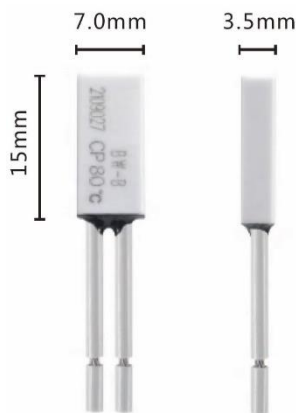
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BW-E_ME

- 45°C – 160°C
- AC 250V 2A | DC 24V 3A
- NC or NO
- Automatic reset
- Metal housing
- Epoxy insulation

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BW-B_P

- 35°C – 160°C
- AC 250V 6A | DC 24V 6A
- NC or NO
- Automatic reset
- Plastic housing

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BW-B_M

- 35°C – 160°C
- AC 250V 6A | DC 24V 6A
- NC or NO
- Automatic reset
- Metal housing
- PET insulation

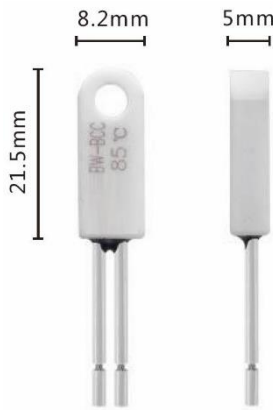
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BW-B_ME

- 35°C – 160°C
- AC 250V 6A | DC 24V 6A
- NC or NO
- Automatic reset
- Metal housing
- Epoxy insulation

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BW-BCC

- 35°C – 160°C
- AC 250V 6A | DC 24V 6A
- NC
- Automatic reset
- Ceramic housing

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ST07

- 50°C – 180°C
- AC 250V 10A | DC 16V 20A
- NC
- Automatic reset
- Metal housing
- PET insulation

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ST07H

- 50°C – 180°C
- AC 250V 10A | DC 24V 3A
- NC
- PTC self-hold
- Metal housing
- PET insulation

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TB11

- 35°C – 160°C
- AC 250V 11 | AC 115V 13A
- DC 24V 15 | DC 12V 16A
- NC or NO
- Automatic reset or PTC
- Plastic- or metal housing

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ST-22

- 50°C – 150°C
- AC 250V 7A | DC 48V 3A
- NC
- Automatic reset
- Plastic housing

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BW-D

- 45°C – 150°C
- AC 250V 6A | DC 24V 6A
- NC or NO
- Automatic reset
- Plastic- or metal housing

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AT-T23

- 50°C – 180°C
- AC 250V 10A
- NC or NO
- Automatic or manual reset
- Plastic- or ceramic housing
- Completely customizable

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AT-T24

- 40°C – 250°C
- AC 250V 16A
- NC or NO
- Automatic or manual reset
- Plastic- or ceramic housing
- Completely customizable

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TK24HT

- 200°C – 450°C
- AC 250V 10A
- NC
- Automatic or manual reset
- Plastic- or ceramic housing

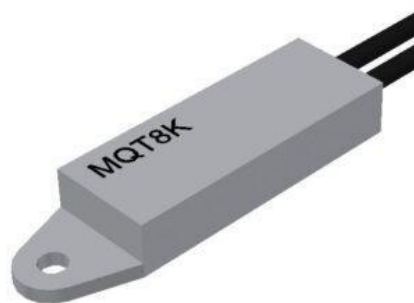
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TKP

- -45°C – 250°C
- AC 250V 10A
- NC or NO
- Automatic reset

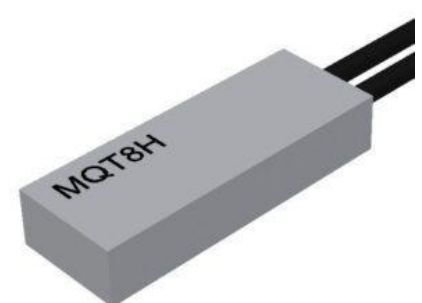
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MQT8K

- -10°C – 110°C
- AC 250V 1mA ... 1.3A
- DC 24V 1mA ... 1.3A
- NC or NO
- Automatic reset
- Plastic housing

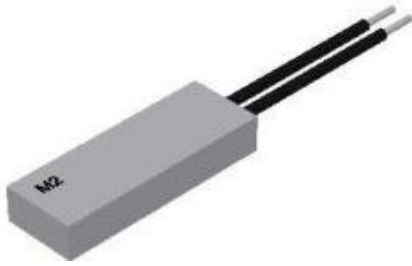
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MQT8H

- -10°C – 110°C
- AC 250V 1mA ... 1.3A
- DC 24V 1mA ... 1.3A
- NC or NO
- Automatic reset
- Plastic housing

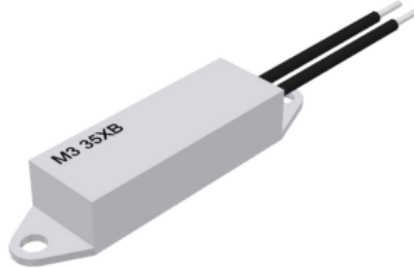
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M2

- -10°C – 110°C
- AC 250V 0.5A ... 3A
- DC 24V 0.5mA ... 3A
- NC or NO
- Automatic reset
- Plastic housing

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M3

- -10°C – 110°C
- AC 250V 0.5A ... 3A
- DC 24V 0.5mA ... 3A
- NC or NO
- Automatic reset
- Plastic housing

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MQT81P

- -10°C – 110°C
- AC 250V 1mA ... 1.3A
- DC 24V 1mA ... 1.3A
- NC or NO
- Automatic reset
- Brass housing

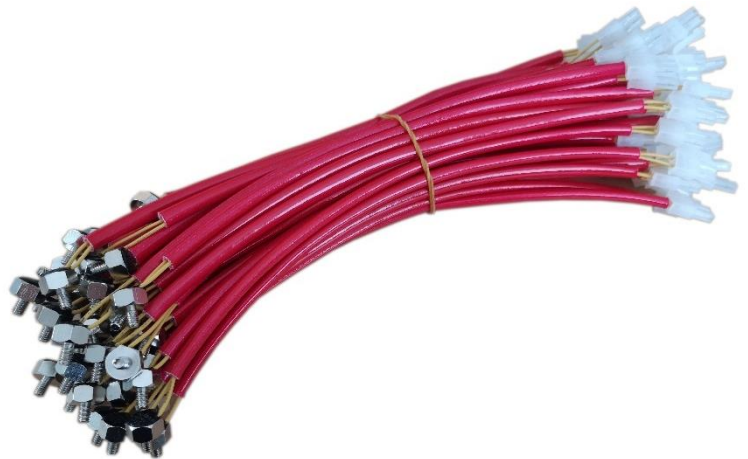
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- Shrinking



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