



MILANOcomponenti



THERMAL PROTECTORS



BULB THERMOSTATS

Bulb thermostats (or capillary thermostats) are devices in which the bulb contains the sensitive element and is positioned at a distance from the switch, to which it is connected by a slender connection tube known as the capillary. Those made by **Milano Componenti** are adjustable, fixed, or safety electrical thermostats, used as components for industrial use and characterized by high levels of safety and reliability.

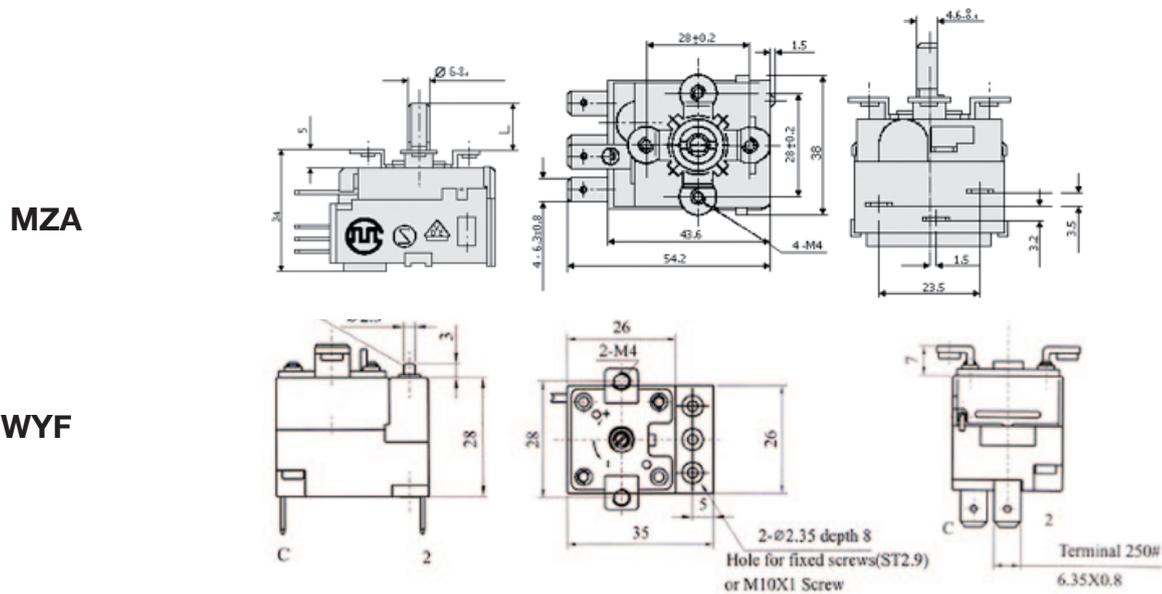
The series offers two thermostat models: MZA and WYF.

CERTIFICATION

Milano Componenti bulb thermostats are UL and VDE approved.

APPLICATIONS

Mainly used in the cooking and washing sectors (water heaters, boilers, washing machines, electric ovens, deep-fryers and grills) and, in general, all applications that require temperature control.



TECHNICAL SPECIFICATIONS TECNICHE

Range of adjustment	from -35°C to 320°C
Working range tolerance	from 3K to 12K
Standard differential	from 1K to 17K
Max ambient temperature	110°C
Torque shaft dial	< 0.4 Nm
Life	> 100.000 cycles
Breaking capacity	
C-1:	15(3)A AC 400 V
C-2:	3 (0.6)A AC 400 V



MONTAGGIO

Secondo dima, oppure con vite autofilettante da 3,5 mm nell'apposito foro di fissaggio su staffa del Cliente.

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BIMETALLIC THERMOSTATS

The **Milano Componenti** KSD 301 Series comprises a wide range of bimetallic thermostats (or disc thermostats), with extremely compact dimensions and fitted with a snap-action trip device.

CERTIFICATION

Milano Componenti bimetallic thermostats are UL and VDE approved.

APPLICATIONS

Milano Componenti disc thermostats are mainly used in:

- domestic appliances
- cable reels
- electric heaters
- heat exchangers

MATERIALS

Our bimetallic thermostats can have a body in a phenolic or ceramic material.

SPECIAL VERSIONS

These bimetallic thermostats are available in various versions: with temperature holding function (NA or NC contacts), control functions, and even as safety thermostats (manual reset device and an NC contact).

On request and for sufficient quantities, **Milano Componenti** also develops special versions to the client's design.

OPERATION

Reaching a predetermined temperature triggers thermostat operation, causing a snap action of the metal disc. This is mechanically connected to a contact-carrier bridge and thus opens the contacts.

TECHNICAL SPECIFICATIONS

Reset	automatic or manual
Mounting	flange or M4 screw
Terminals	faston 6.3 x 0.8 / 4.8 x 0.8
Faston terminal orientation	H (horizontal) – V (vertical)
Temperature range	to order



Working temperature	Opening tolerance	Closing tolerance	Max working temperature	Life (in cycles)
≤100 °C	+/- 3°C	+/- 5°C	190°C	100,000
151°C ~ 170°C	+/- 4°C	+/- 8°C	210°C	30,000
171°C ~ 210°C	+/- 5°C	+/-10°C	250°C	10,000

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THERMAL PROTECTORS

The **Milano Componenti** series of snap-action thermal protectors with automatic reset comprises two distinct models: MST22 and MST12. They are characterized by high heat response and are highly effective and safe products.

CERTIFICATION

Milano Componenti thermal protectors are UL and VDE approved.

APPLICATIONS

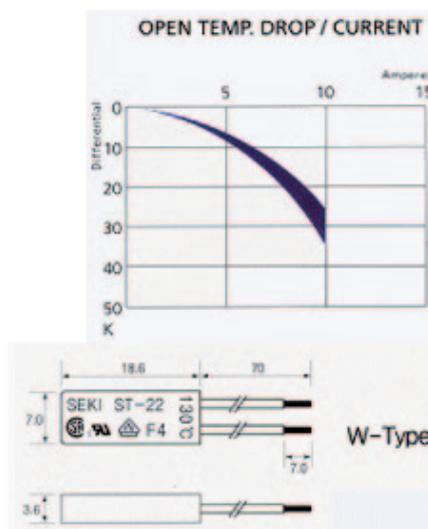
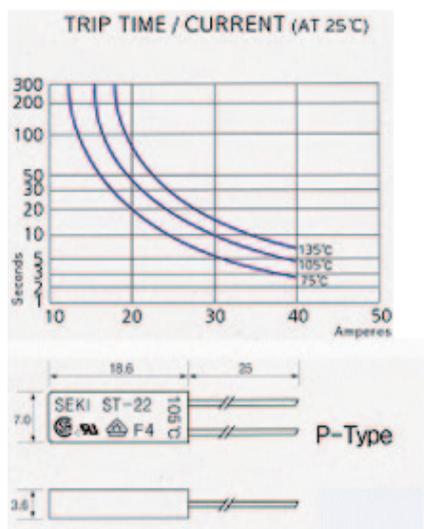
- MST22: thermal protection against overheating of electric motors, battery chargers, transformers, solenoids, heat distribution systems and fluorescent inspection lamps.
- MST12: thermal protection against overheating for hairdryers, electric fans, popcorn machines, electric ovens and dryers.

MATERIALS

Thermoplastic casing in high-quality, insulated polybutylene terephthalate (PBT), 100% waterproof (only MST22)

TECHNICAL SPECIFICATIONS

Temperature scale (no load)	from 65°C to 150°C	
Tolerance	± 5°C	
On-off temperature differential (general)	30 ± 15K	
Heat resistance	Opening temperature +50°C/continuous, 200°C/1 min	
Life in cycles (resistive load)	MST22	8A/125V 10.000 cycles 5A/250V 10.000 cycles
	MST12	15A/125V 6.000 cycles 10A/250V 6.000 cycles
Contact capacities	MST22	minimum current 50mA/ continuous maximum current 30A/5 cycles
	MST12	minimum current 100mA/ continuous maximum current 30A/5 cycles
Contact mode	NC	



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