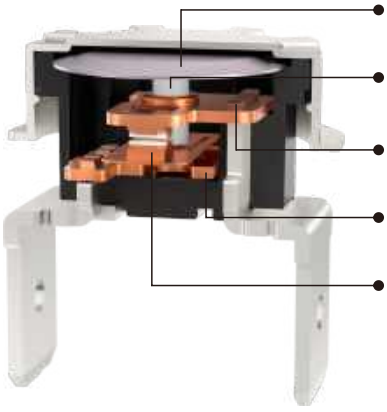
Snap-action Thermostat

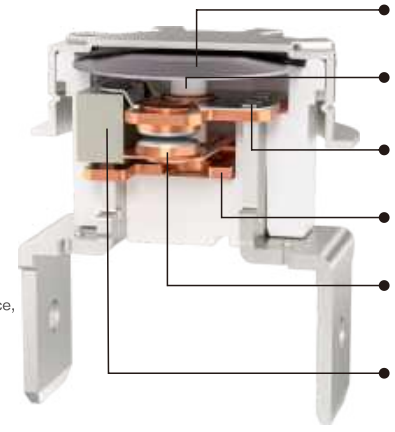
Technical Datasheet

Product Structure Video



- Post-Life Temperature Drift <5% Across Full Temperature Range
- Guide-Free Design
  Enhanced ceramic rod stability, optimized profile height, +10% temperature sensitivity
- Integrated Terminal Riveting
  Zero connection loosening after full life cycles
- Modular Spring Assembly
  Ultra-low temperature rise (<30K) under high voltage load
- Thermal Composite/Cold-Lock Contacts
  Low heat generation, minimal resistance, extended lifespan

PPS/PMC Housing



- Post-Life Temperature Drift <5% Across Full Temperature Range
- Guide-Free Design
  Enhanced ceramic rod stability, optimized profile height, +10% temperature sensitivity
- Integrated Terminal Riveting
  Zero connection loosening after full life cycles
- Modular Spring Assembly
  Ultra-low temperature rise (<30K) under high voltage load
- Thermal Composite/Cold-Lock Contacts
  Low heat generation, minimal resistance, extended lifespan
- Innovative Crimped PTC Structure
  (Saves space, improves utilization, ensures safer power-off reset for PTC)

Ceramic Housing

Patented Structural Design
Patent No.: ZL 2023 2 3031904.4
Square Contact: Rated for ≤16A loads
Round Contact: Rated for 16-32A loads
Termination Options:
- Wire connection
- Crimping terminal
- Threaded terminal with crimp cap



Power-Off Reset Model



Auto-Reset Model



Manual-Reset Model

Application Scenarios

Power Supply, Socket, Heating System, High-Voltage Alternating Current, Gas, Electric Stove, Boiler, Espresso Machine, Electric Motor, Heating Element, Laboratory Equipment, Medical Device, Automotive, Panel Heater, Other Small Household Appliances

CCS9 Series

Backpack-style Temperature Controller

Technical Datasheet

Product Structure Video



The bimetal strip cuts off the circuit upon reaching the preset temperature, and automatically restores power when cooled below the reset threshold.

Back-Mounted Structure
(Highly temperature-sensitive | Secure and anti-detachment)

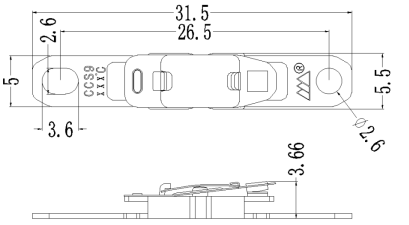
Thermal Composite Contacts
20% higher silver layer utilization compared to traditional cold-forged round contacts

Integrated base injection molding

Oval Boss Riveting
Enhances stable contact between base and moving contact plate



When the ambient temperature of the LCP exceeds its deformation point of 350℃, it expands to drive the terminal tab, generating natural upward stress that forcibly pushes open the movable contact, permanently disconnecting the circuit for ultimate safety protection. This feature is available in both CCS9 and S6 series.



CCS9

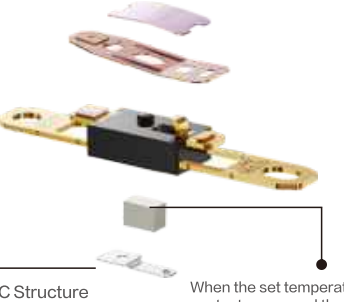


Back-Mounted Structure
(Highly temperature-sensitive | Secure and anti-detachment)

Thermal Composite Contacts
20% higher silver layer utilization compared to traditional cold-forged round contacts

Integrated base injection molding

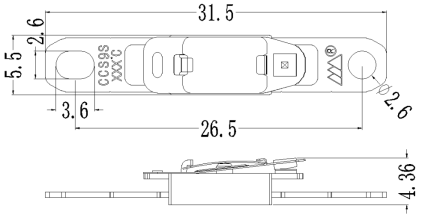
Oval Boss Riveting
Enhances stable contact between base and moving contact plate

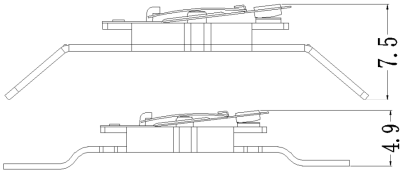


Built-in PTC Structure
Manual Power-Off Reset | Dual Temperature Protection

When the set temperature is reached, the contacts open and the PTC conducts electricity to generate heat, preventing the bimetal strip from resetting and keeping the contacts open. After power-off and cooling below the reset threshold, the bimetal strip automatically resets to reconnect the circuit.

CCS9S (Power-Off Reset Model)





Mounting Bracket Options

Patented Structural Product
Patent No.: ZL 2021 2 3189766.3
Fully automated end-to-end assembly.
Multiple mounting bracket options available.

■ Application Scenarios

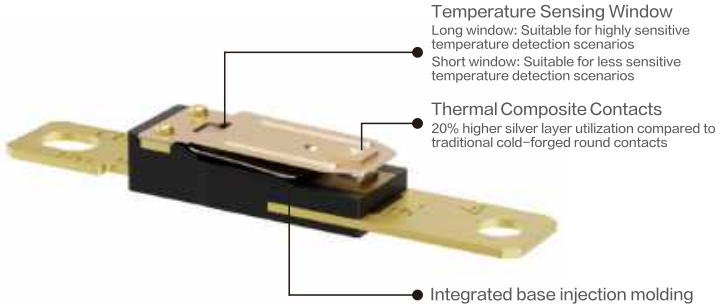
Thermal radiation control and overheat protection for various electric heating appliances including hair dryers, electric heaters, dehumidifiers, heating racks, stew pots, hair curlers, electric ovens, popcorn makers, tableware dryers, etc.

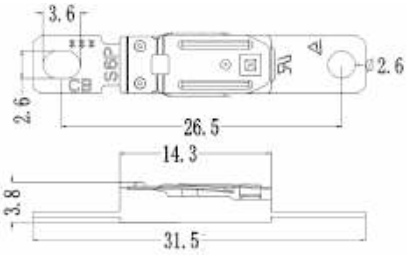
S6 Series

Open-Type Temperature Controller

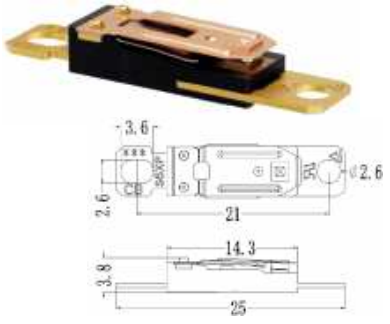
Technical Datasheet

Product Structure Video

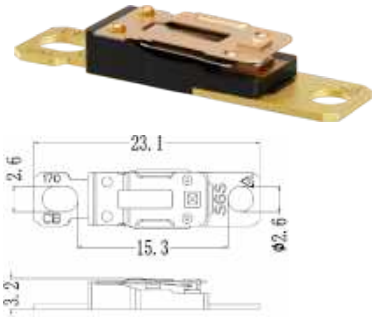




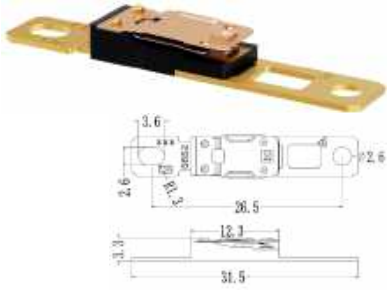
S6P (Power-Off Reset Model)



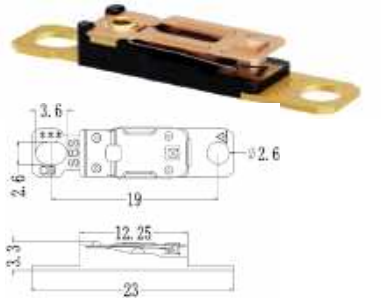
S6XP (Power-Off Reset Model)



S6S (Auto-Reset Model)



S6S2 (Auto-Reset Model)



S6C (Auto-Reset Model)

Appearance Design Patented Product

Select long or short windows based on application scenarios to match temperature sensing requirements.
Multiple mounting bracket options available.

Patent Number:
ZL 2022 3 0254498.X
ZL 2022 3 0254501.8
ZL 2022 3 0253459.8

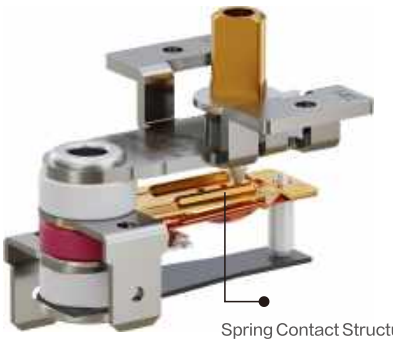
■ Application Scenarios

Thermal radiation control for various electric heating appliances including hair dryers, electric heaters, air heaters, dehumidifiers, heating racks, stew pots, hair curlers, electric ovens, popcorn makers, electric heaters, tableware dryers, etc.

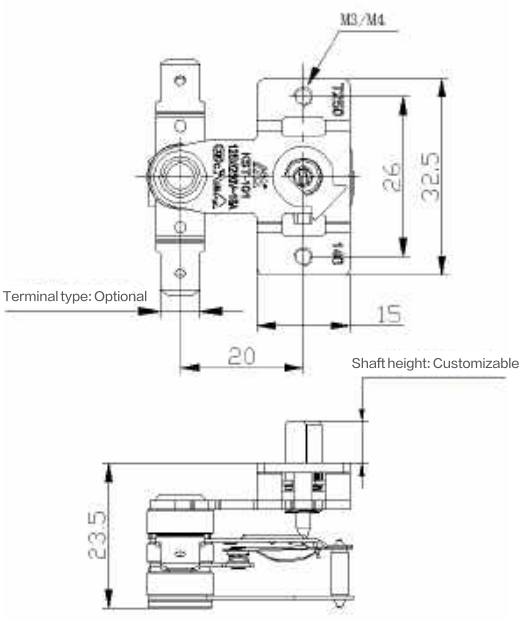
KST Series
Adjustable Thermostat

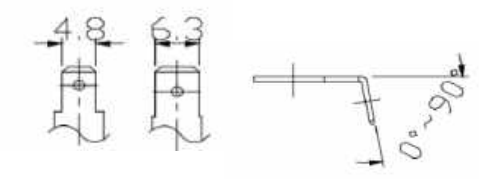
Technical Datasheet

Product Structure Video

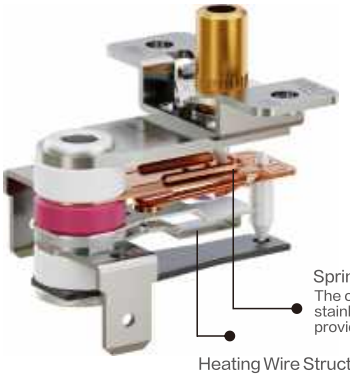


Spring Contact Structure
The combination of copper-nickel-silicon alloy and stainless steel ensures excellent elasticity while providing stable conductive performance.



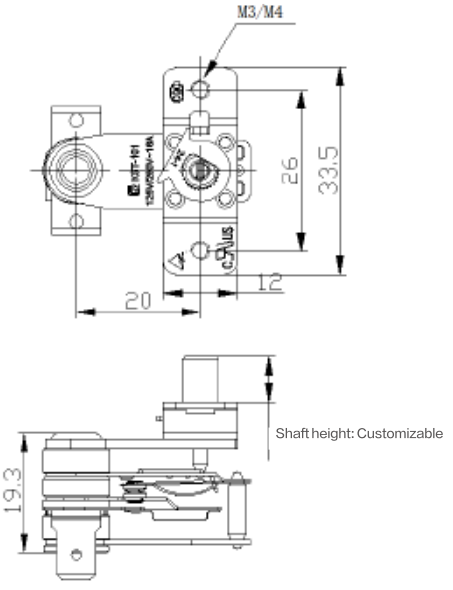


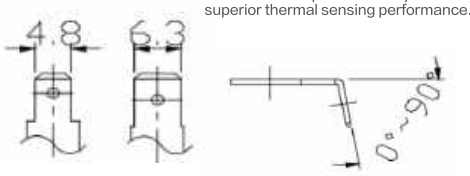
KST-101



Spring Contact Structure
The combination of copper-nickel-silicon alloy and stainless steel ensures excellent elasticity while providing stable conductive performance.

Heating Wire Structure
With added temperature compensation for superior thermal sensing performance.





KST-101/201

Patented Structural Product
Patent No.: ZL 2023 2 2357295.5
KST-101/201 Bracket Type: Selectable

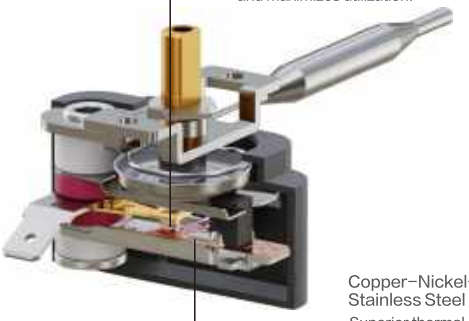
■ Application Scenarios

Electric irons, ovens, deep fryers, electric pressure cookers, rice cookers, electric heaters, griddles, roasters, etc.

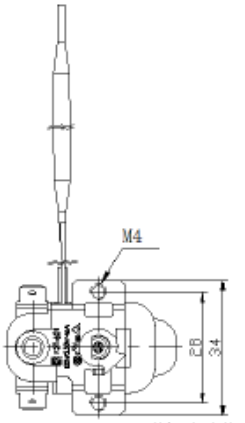
KST-601
Liquid Expansion Thermostat

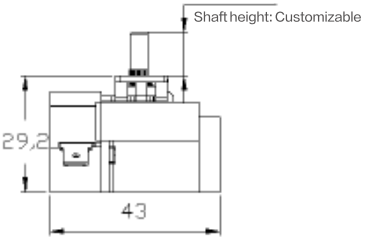
Technical Datasheet

Product Structure Video









[Patented Structural Product
Patent No.: ZL 2022 2 3533254.9]

Technical Data

Insulation Resistance		⩾100MΩ (DC500v Insulation Resistance Tester)
Contact Resistance (Initial Value)		⩽50mΩ
Withstand Voltage	Between terminals of the same polarity	AC500V 50/60Hz 60S
	Between live metal parts and ground/between terminals and non-live metal parts	AC1,500V 50/60Hz 60S
Lifespan	Electrical	100,000+ cycles (6 cycles/minute)
Leakage Characteristics (PTI)		175
Operating Ambient Temperature		125℃ (⩽60%RH, no icing/condensation)
Operating Ambient Humidity		⩽85%RH (at +5°C to +35°C)
Rated Current		16A 125/250VAC
Total Rotation Angle		270°
Operating Temperature		50-260℃±5℃
Actuation Angle		XXX±15° (at 25°C ambient)

Certification Type

Certification Type	CQC	UL	TUV
Certificate Number	CQC24002435354	E527265	R 50559077
Contact Rating	16/10A 125/250V AC	16A 125/250V AC	16/10A 125/250V AC

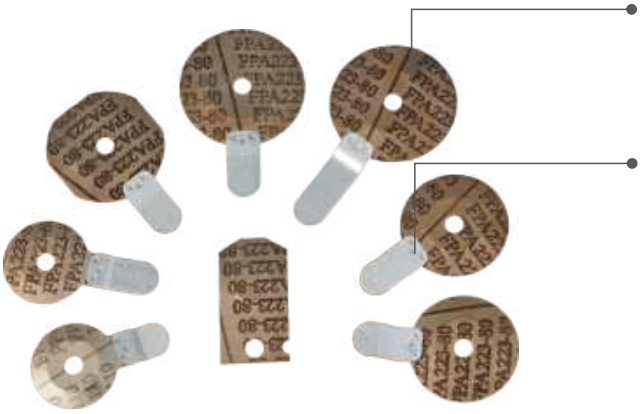
Application Scenarios

Electric irons, ovens, deep fryers, electric pressure cookers, rice cookers, electric heaters, griddles, roasters, air fryers, etc.

WS1
Water Stop Plate

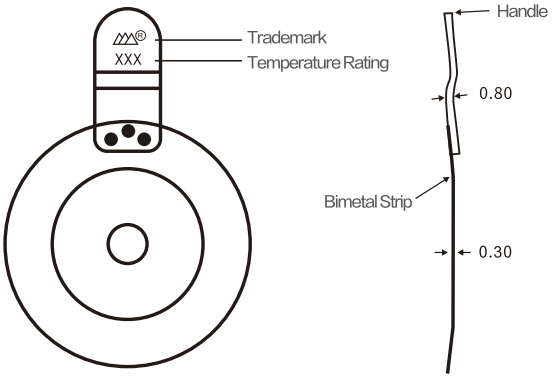
Technical Datasheet

Product Structure Video



Customizable to various requirements, featuring precise actuation temperature, responsive snap-action, high stability, and exceptional durability.

Riveted structure
minimizes bending effects and thermal control temperature deviation





The shape and dimensions of the handle vary according to customer requirements for matching icons/prototypes/samples.

[Patented Structural Product
Patent No.: ZL 2017 2 0085670.7]

■ Technical Data

Product Name	Water Stop Plate	Specification	XXX℃ Trip/Reset customizable per customer requirements
Material Grade	FPA223-80	Technical Standard	GB/T 4461-2003
Material Source	FEPAC	Temperature Measurement Method	Oil temperature detection

■ Application Scenarios

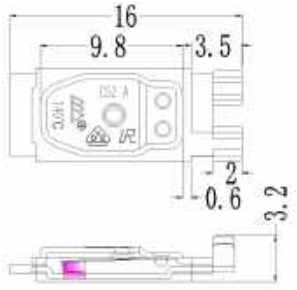
It is a temperature-sensitive component made of bimetal material, suitable for products like electric irons.

CS2 Series
Overcurrent Protector

Technical Datasheet

Product Structure Video







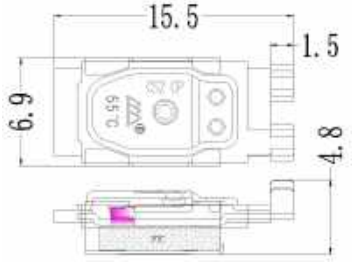
Innovative Riveting + Laser Welding Structure
Unlike traditional single-point welding, this design ensures stable performance with ≤5 PPM defect rate

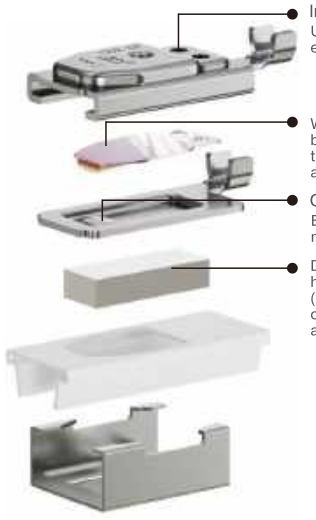
When abnormal temperature or current occurs, the bimetallic strips deform due to heating, disconnecting the contacts to cut off the circuit. After cooling, the strips automatically reset to restore power.

Composite Contacts
Evenly distributed silver layer enhances stability and material utilization efficiency

CS2-A (Auto-Reset)







Innovative Riveting + Laser Welding Structure
Unlike traditional single-point welding, this design ensures stable performance with ≤5 PPM defect rate

When abnormal temperature or current occurs, the bimetallic strips deform due to heating, disconnecting the contacts to cut off the circuit. After cooling, the strips automatically reset to restore power.

Composite Contacts
Evenly distributed silver layer enhances stability and material utilization efficiency

During temperature/current anomalies, the bimetallic strips heat up and disconnect the current, diverting it to the PTC (which then generates heat to maintain the contacts in an open state). After power-off and cooling, the strips reset automatically to restore circuit conductivity.

CS2-CP (Power-Off Reset)

- Patented Structural Product
- Patent No.: ZL 2018 2 1742090.1
- Customizable trip time, overcurrent rating, and thermostat lifespan (adjusted per operating current)
- Optional housings: polyester fiber sleeve/LCP/ceramic
- Selectable crimped terminal installation methods

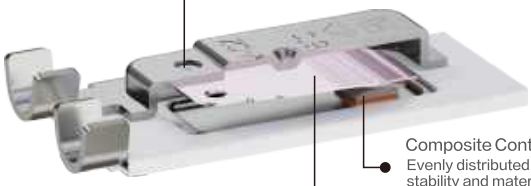
■ Application Scenarios

Applicable to vacuum cleaners, shredders, blenders, lawn mowers, snow blowers, defoggers, laminators, power tools, household appliances, PCB boards, etc.

17AM/3MP/6AP Series
Overcurrent Protector

Technical Datasheet

Product Structure Video



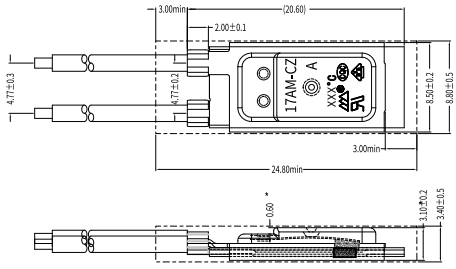
Innovative Riveting + Laser Welding Structure
Unlike traditional single-point welding, this design ensures stable performance with ≤5 PPM defect rate

Composite Contacts
Evenly distributed silver layer enhances stability and material utilization efficiency.

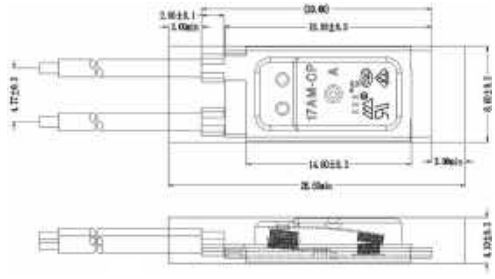
When abnormal temperature or current occurs, the bimetallic strips deform due to heating, disconnecting the contacts to cut off the circuit. After cooling, the strips automatically reset to restore power.



Built-in PTC structure
Contacts disconnect during circuit/temperature abnormalities, locking in open state until power-off and cooling enables automatic reset.

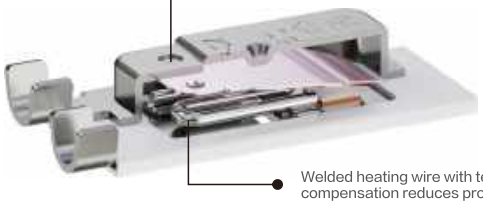


17AM-CZ(Auto-Reset)



17AM-CP (Power-Off Reset)

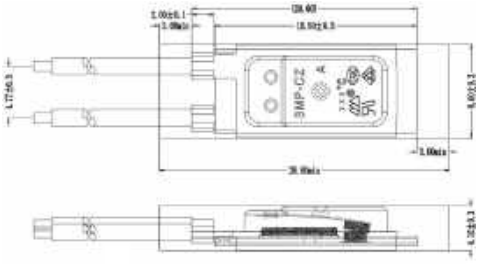
Innovative Riveting + Laser Welding Structure
Unlike traditional single-point welding, this design ensures stable performance with ≤5 PPM defect rate



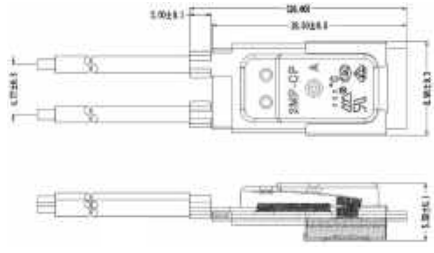
Welded heating wire with temperature compensation reduces product trip time.



Welded heating wire with temperature compensation reduces product trip time.



3MP-CZ(Auto-Reset)



3MP-CP (Power-Off Reset)

Appearance Design Patented Product
Patent No.: ZL 2018 3 0596480.1
Customizable trip time, overcurrent rating, and thermostat lifespan (adjustable per operating current). Terminal type options available.

■ Application Scenarios

Vacuum cleaners, shredders, blenders, lawn mowers, snow blowers, defoggers, laminators; power tools, household appliances, PCBs, soy milk makers, juice extractors, food processors, washing machines, crushers, etc.

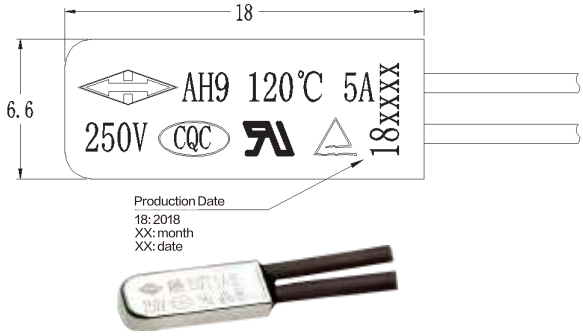
AH9/CCS8 Series

Overheat Protector

Technical Datasheet

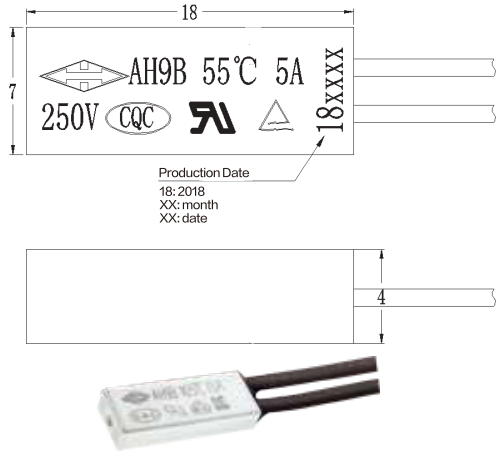
Product Structure Video





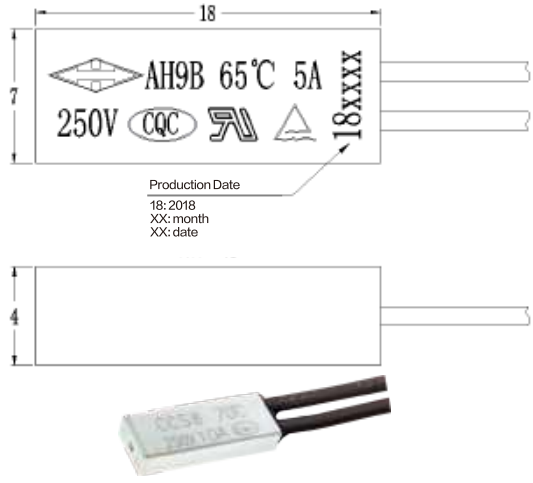
AH9





AH9B





CCS8

Patented Structural Product
Patent No.:ZL 2014 2 0044802.8

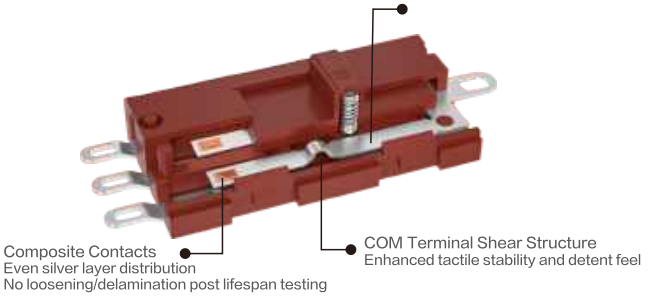
■ Application Scenarios

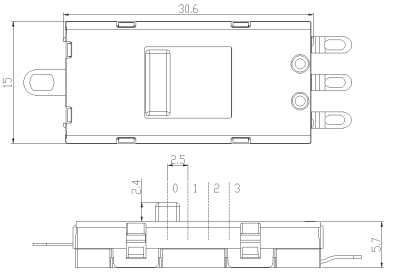
Transformers, series-wound motors, Ni-MH batteries, air conditioners, washing machines, juicers, vacuum cleaners, massage chairs, seat heating pads, and other products.

CCT Series
Slide Switch

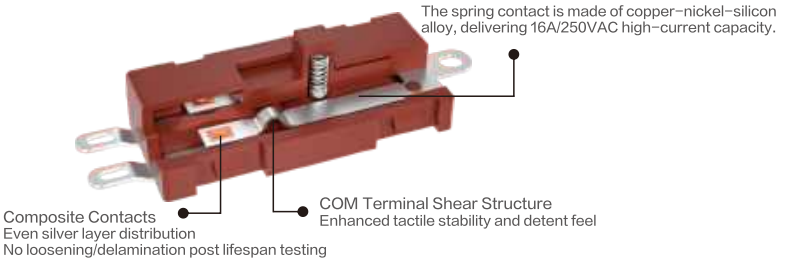
Technical Datasheet

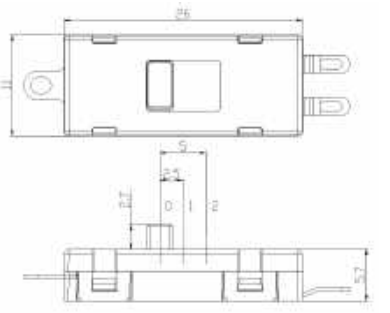
Product Structure Video



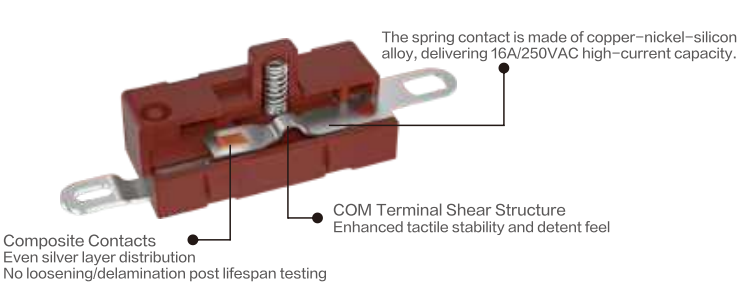


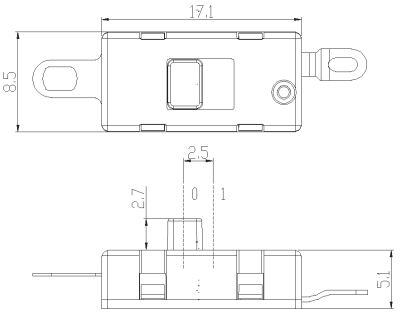
CCT3





CCT2





CCT1

Patented Structural Product
Patent No.: ZL 2023 2 2357295.5
Multiple terminal type options available.
CCT3 offers selectable block specifications.

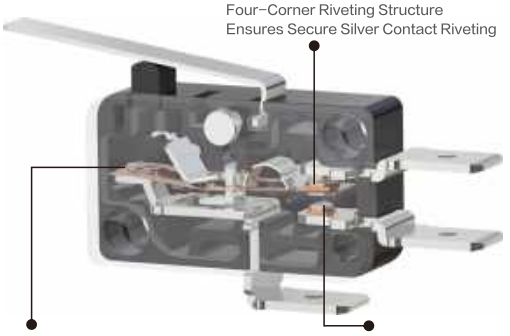
■ Application Scenarios

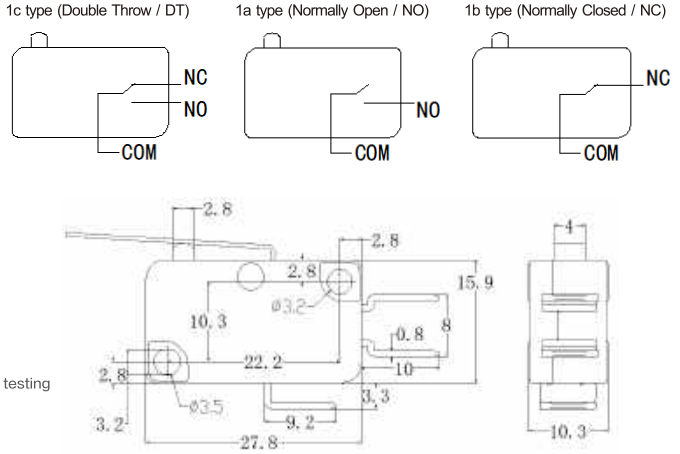
Power switches for hair dryers, hot air brushes, curling irons, and kitchen appliances (blenders, electric kettles).

CCY/CCZ
Micro Switch

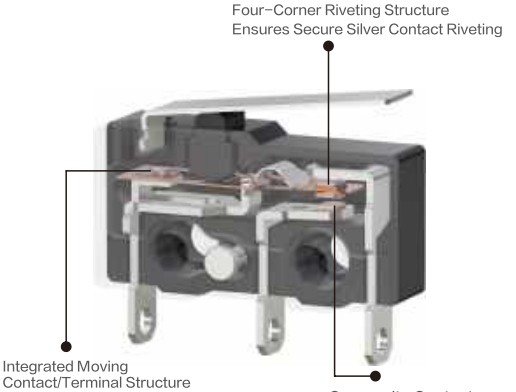
Technical Datasheet

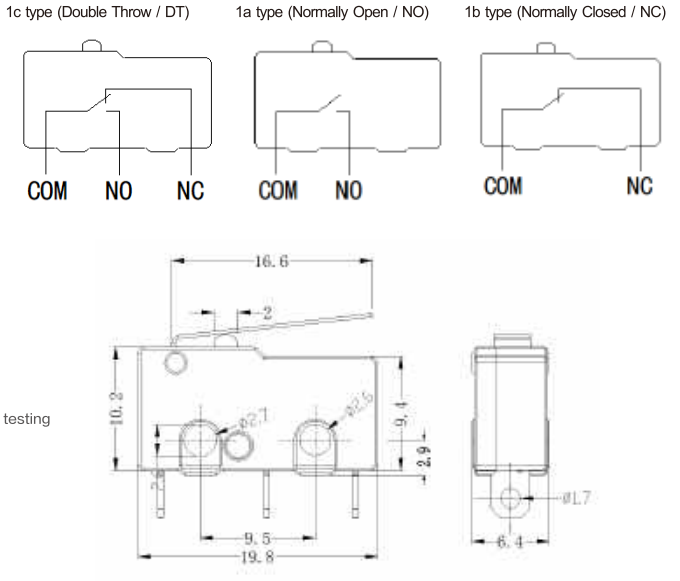
Product Structure Video





CCY





CCZ

Structure Patented Product
Patent No.: ZL 2021 2 15877997.1
Multiple options available for mounting holes, button height, terminals, and actuator types.

■ Application Scenarios

Household appliances, electronic equipment, automation devices, communication devices, automobiles, instruments and meters, etc.

CCY-D
Tilt Switch

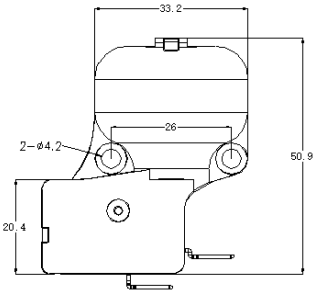
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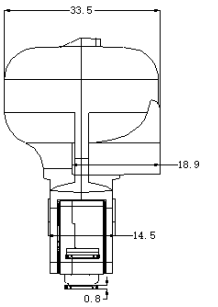
Product Structure Video



- Four-Corner Riveting Structure
  Ensures Secure Silver Contact Riveting
- Composite Contacts
  Even silver layer distribution
  No loosening/delamination post lifespan testing
- Integrated Moving
  Contact/Terminal Structure
- Exceptionally Low Temperature
  Rise Under High Load Voltage
- Temperature Rise Below 45K
  After Cyclic Endurance

CCY-D

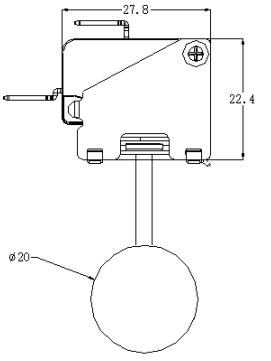


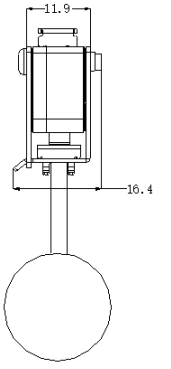


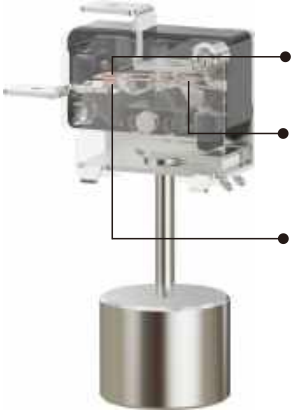


- Four-Corner Riveting Structure
  Ensures Secure Silver Contact Riveting
- Integrated Moving
  Contact/Terminal Structure
- Exceptionally Low Temperature
  Rise Under High Load Voltage
- Temperature Rise Below 45K
  After Cyclic Endurance
- Composite Contacts
  Even silver layer distribution
  No loosening/delamination post lifespan testing

CCY-D1

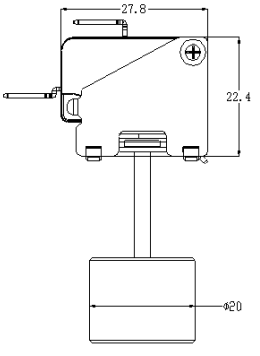


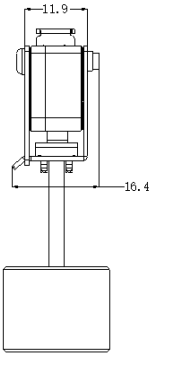




- Four-Corner Riveting Structure
  Ensures Secure Silver Contact Riveting
- Integrated Moving
  Contact/Terminal Structure
- Exceptionally Low Temperature
  Rise Under High Load Voltage
- Temperature Rise Below 45K
  After Cyclic Endurance
- Composite Contacts
  Even silver layer distribution
  No loosening/delamination post lifespan testing

CCY-D2





■ Application Scenarios

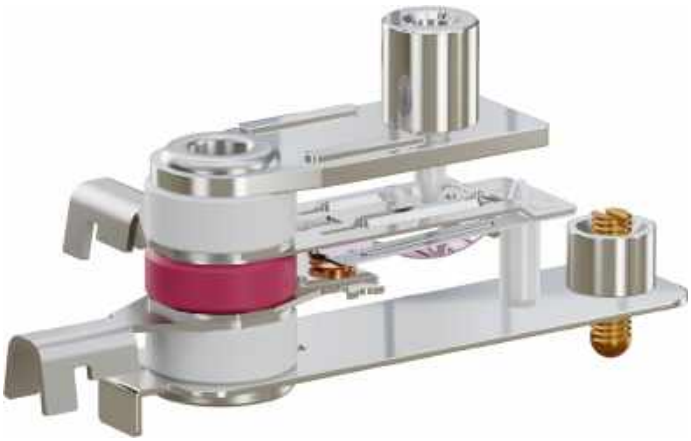
Electric fans, heating fans, tower air conditioners, air purifiers, water purifiers, oil-filled radiators, warm air blowers, treadmills, etc.

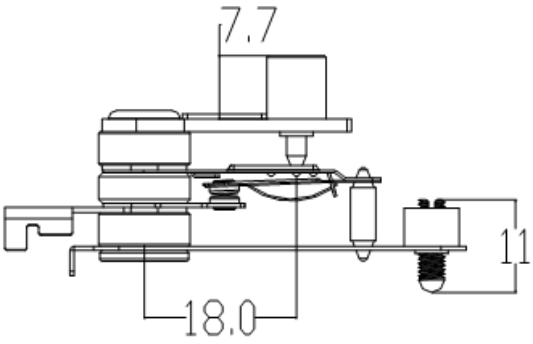
KST-Y

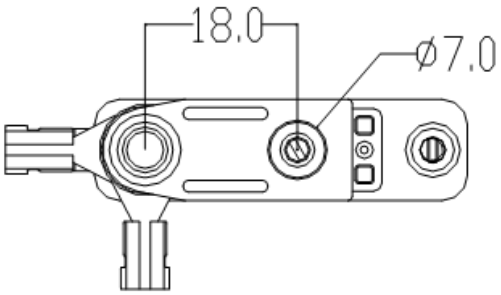
Differential Pressure Switch

Technical Datasheet

Product Structure Video







Application Scenarios

Electric Pressure Cookers, Rice Cookers, HVAC Systems, Steam Pressure Pots, Pressure Pumps, Fan Coil Units, Underfloor Heating, etc.