General Purpose Disc Thermostats and Sequencers

- Excellent Value
- High Reliability
- Engineering Support

GET THE MAX INTO YOUR CONTROL SYSTEM

Call us at
1-866-HVACMAX (482-2629)

ACmax an innovative and dynamic company that has built its reputation on the reliability and durability of its products for the HVACR, appliance, and related industries.

Over 25 years of experience results in high quality electronic controls such as indoor air quality/economizer controllers, compressor safety controllers, and temperature control products.

ACmax 's line of temperature control products comprises fan controls, water heater thermostats, hermetically sealed thermostats, and high limit automatic and manual reset thermostats. ACmax also serves the electric heating industry, offering time delay relays (sequencers).

With its team of professional engineers, ACmax provides engineering support to assist customers in selecting the right products for their applications.

ACmax serves both OEMs and wholesalers through authorized distributors and manufacturer representatives in industries such as HVACR, appliance, process controls, food services and energy management.

ACmax's key objectives are:

- To provide high quality products, optimal solutions, and excellent engineering support for OEMs and wholesalers in the HVACR, appliance, and related industries.
- To develop and strengthen partnerships with key manufacturers who believe in ACmax 's ability to grow by offering innovative and reliable products and exceeding industry standards while maintaining reasonable prices.

Series EKA: 1/2" Disc Thermostat

A series of compact auto and manual reset thermostats for controlling or limiting temperature changes.

Electrical rating: 5A & 15A@125VAC, 10A & 16A@250VAC

Temperature range – Ceramic: -30°C to 250°C (-22F to 482F)
– Phenolic: -30°C to 180°C (-22F to 356F)

Tolerance – Standard: ± 5°C (9F)
– Minimum: ± 2°C (3.6F)

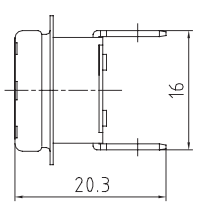
The switch mechanism is actuated by a snap-action bimetal disc that opens and closes a set of electrical contacts when a predetermined temperature is reached. The bimetal disc is electrically and thermally isolated from the switch.

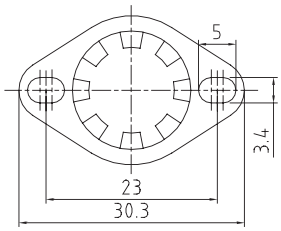
Various mounting configurations are available for maximum design flexibility: surface, air-stream and duct.

Used in boilers, heaters, vacuum cleaners, stoves, dryers, dishwashers and air conditioners.

Approved: UL and cUL (UL STD 873 / UL 60730)

EKA-313





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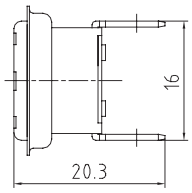

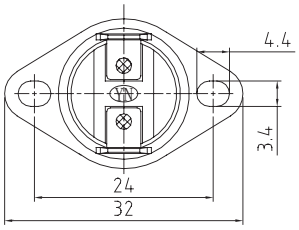

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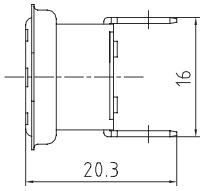

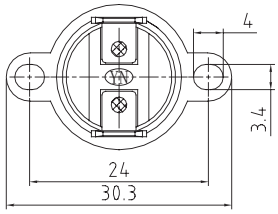

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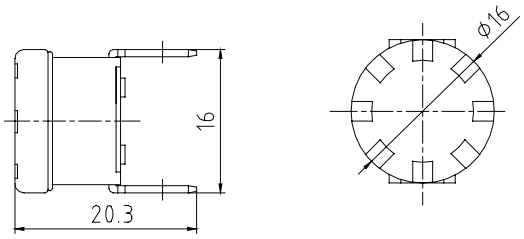

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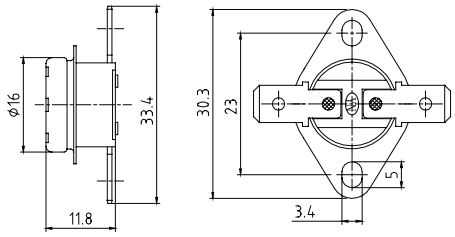

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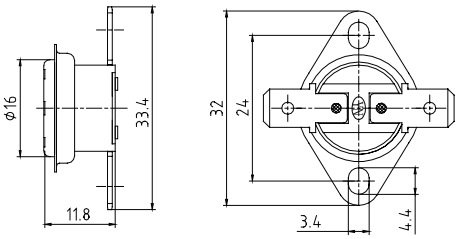

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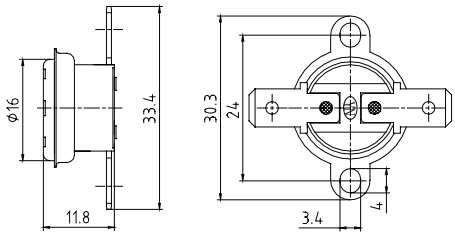

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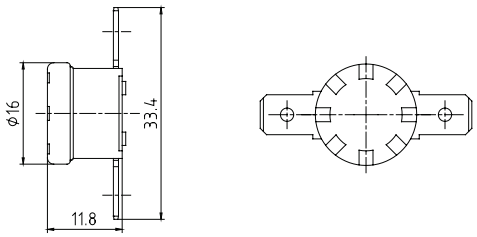

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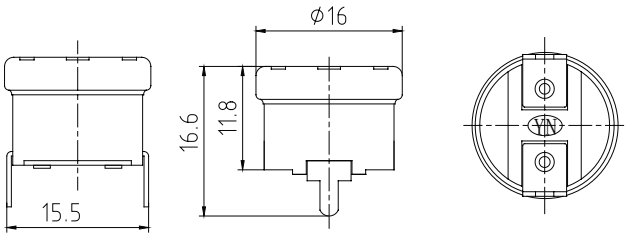

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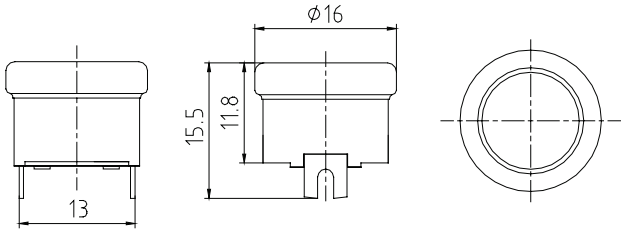

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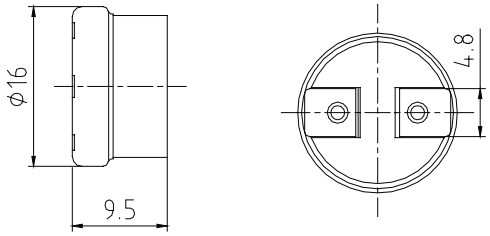

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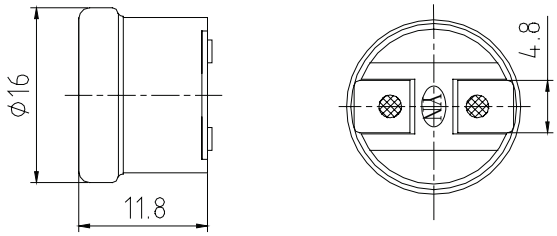

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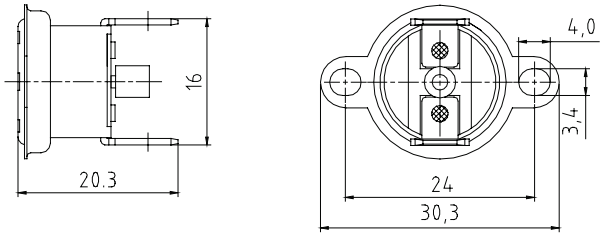

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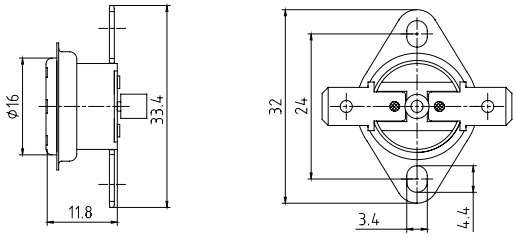

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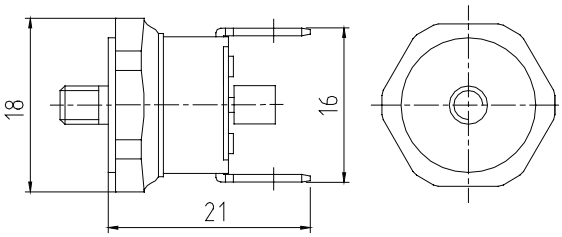

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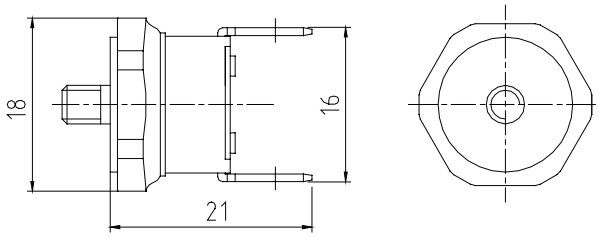

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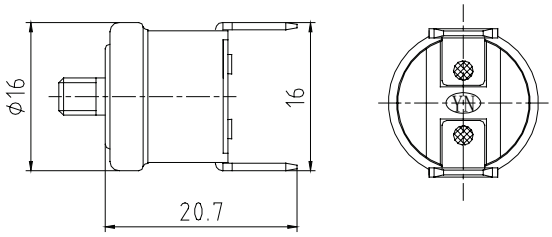

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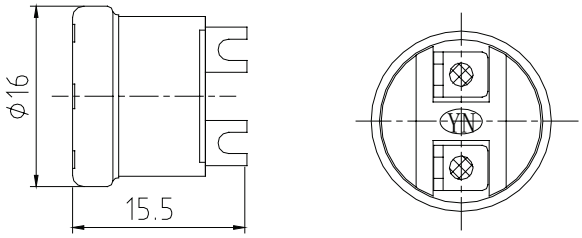

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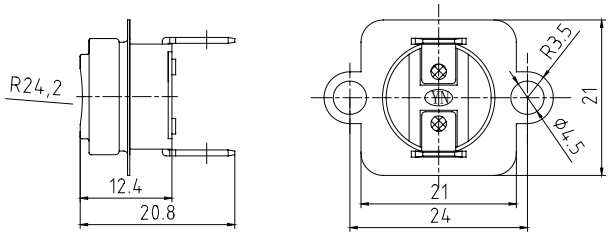

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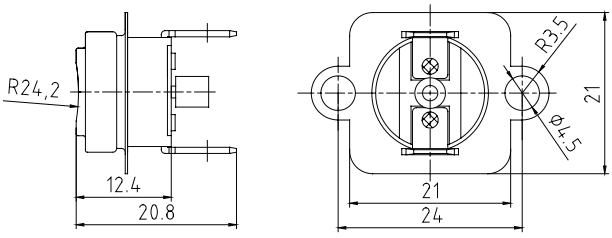

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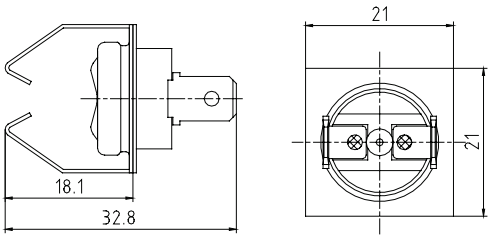

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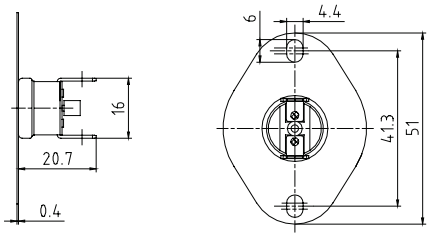

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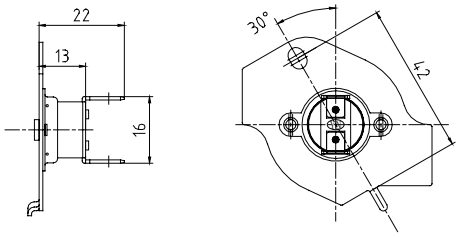

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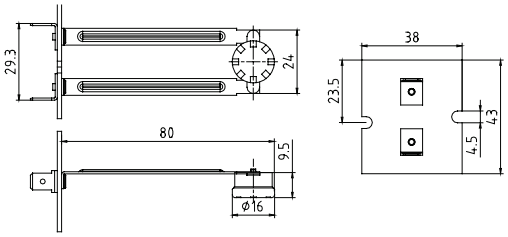

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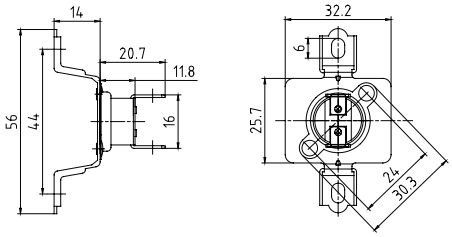

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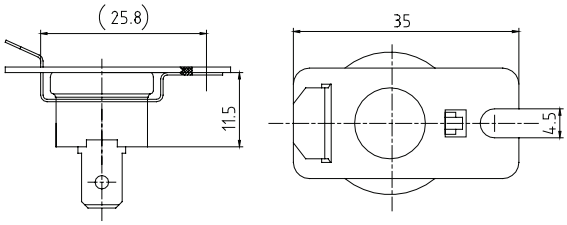

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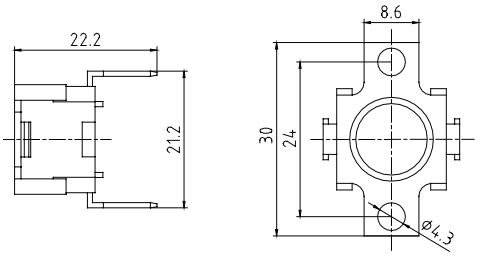

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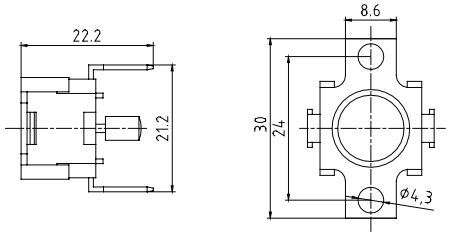

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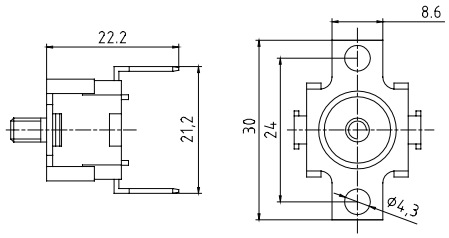

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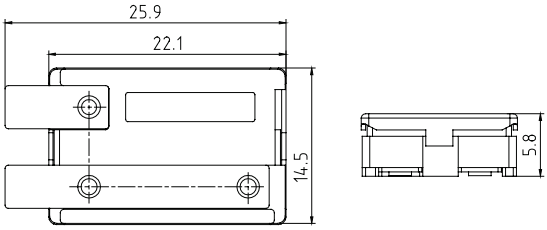

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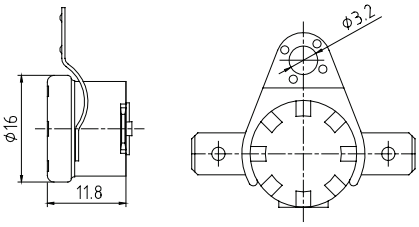

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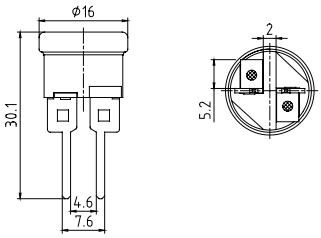

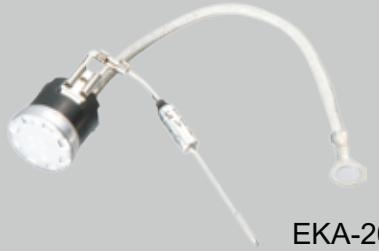

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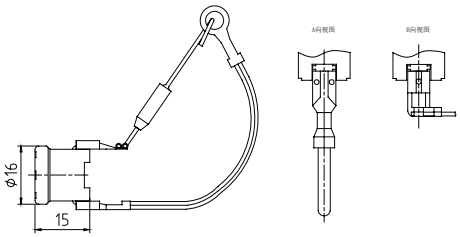

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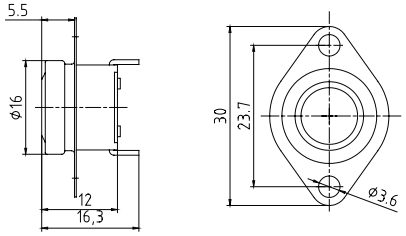

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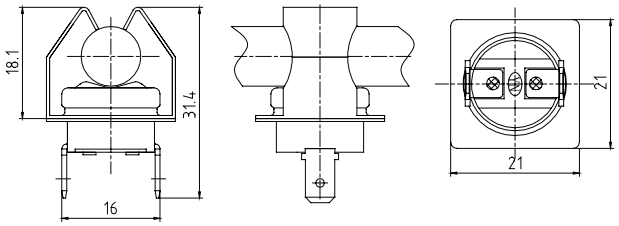

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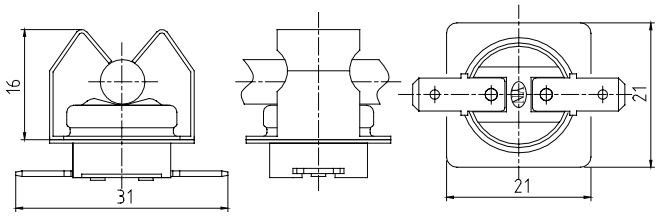

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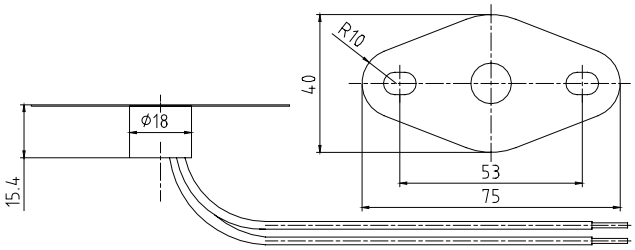

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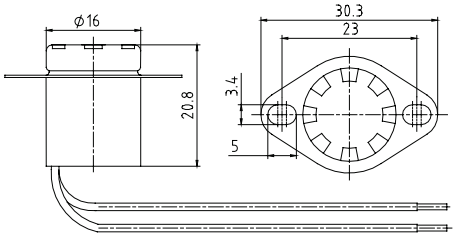

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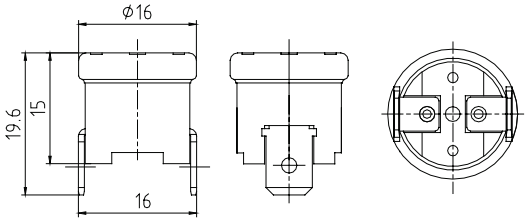

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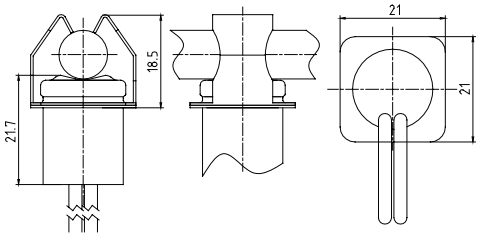

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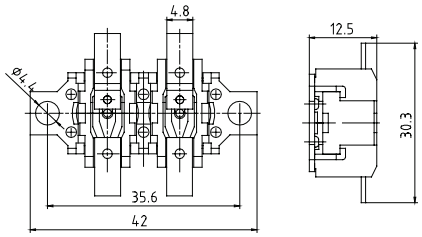

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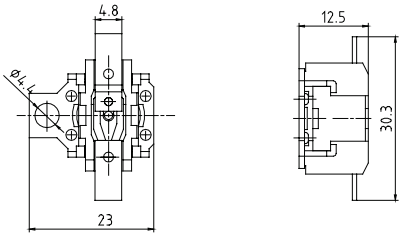

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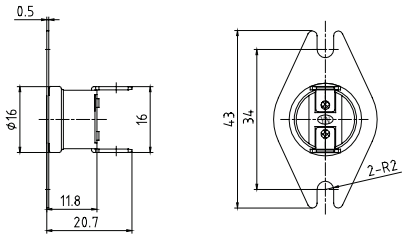

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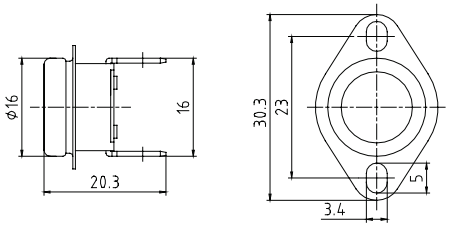

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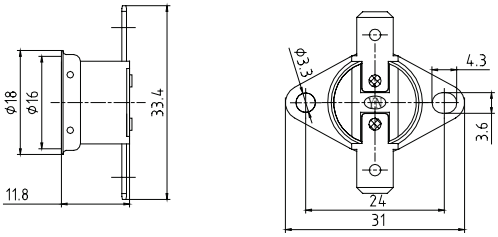

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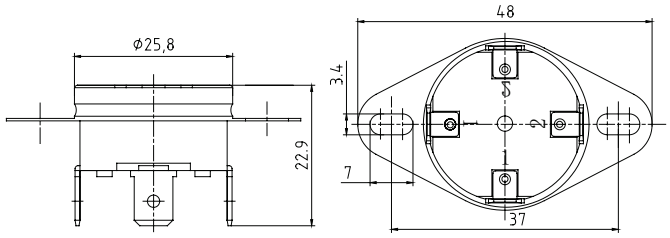

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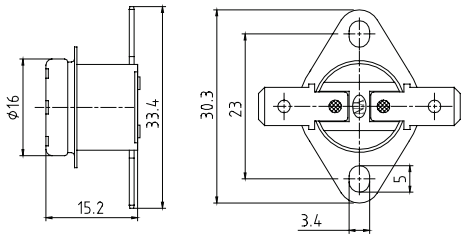

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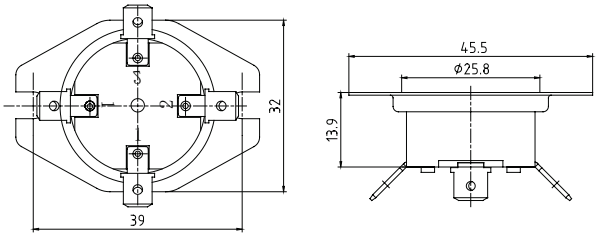

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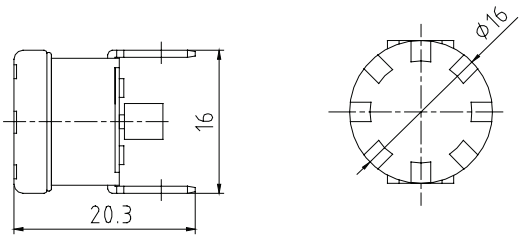

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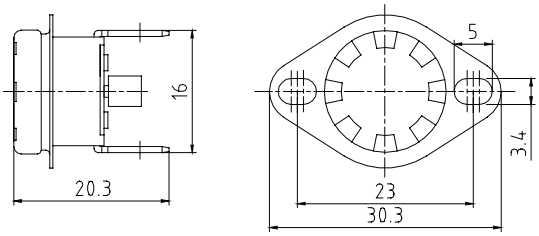

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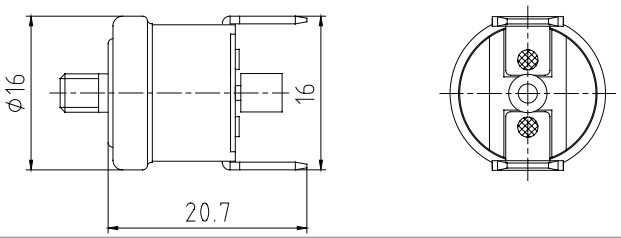


Series EKB: 1" Disc Thermostat

With a sealed design, series EKB disc thermostats provide moisture resistance for high humidity environments.

Electrical rating: 5A & 15A@125VAC
5A, 10A & 25A@250VAC
10A@480VAC

Temperature range: -20°C to 105°C (-4F to 221F)

Tolerance- - Standard: ± 5°C (9F)
- Minimum: ± 3°C (5.4F)

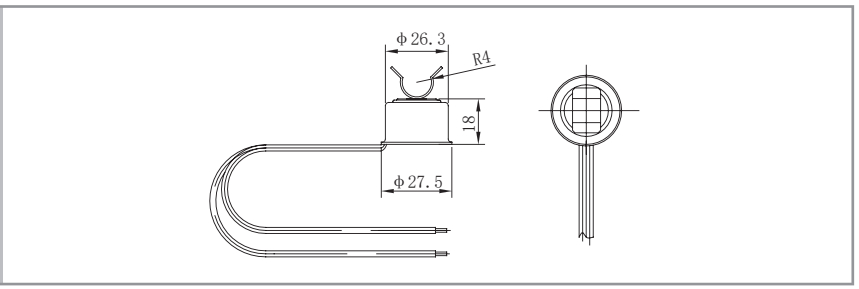
Available with automatic reset for high and low temperature applications and manual reset for high limit temperature. The switch opens or closes its electric contacts on temperature rise.

A wide variety of terminals, lead wires and mounting options (including surface and tube mounting) provide excellent design flexibility.

Used in refrigerators, air conditioners, ice makers, and freezers, as well as for defrost termination and fan delay control.

Approval: UL and cUL (UL STD 873 / UL 60730)

EKB-001



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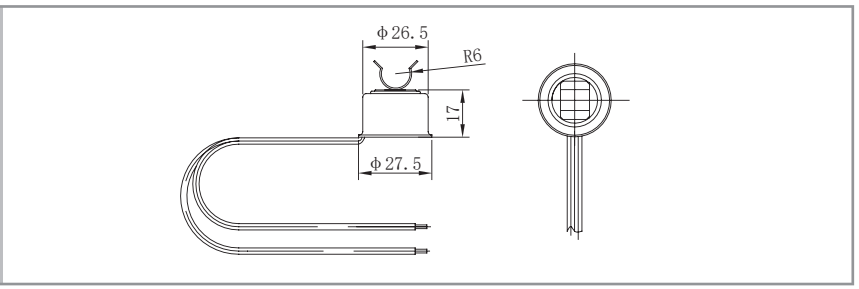

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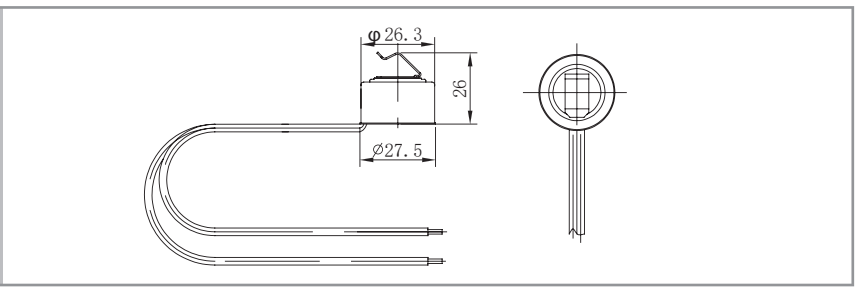

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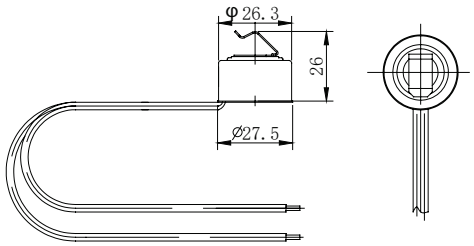

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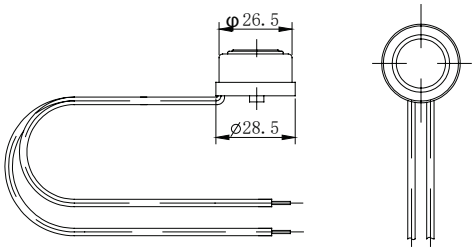

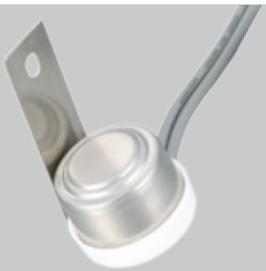

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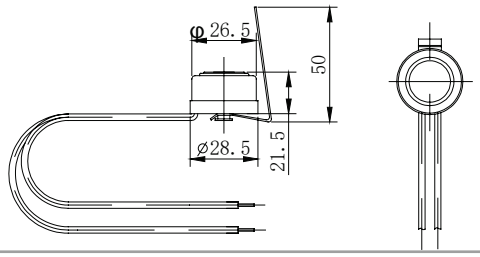

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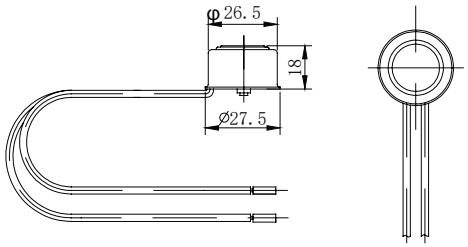

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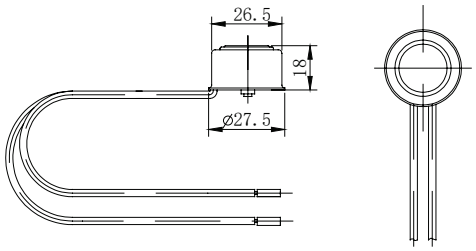

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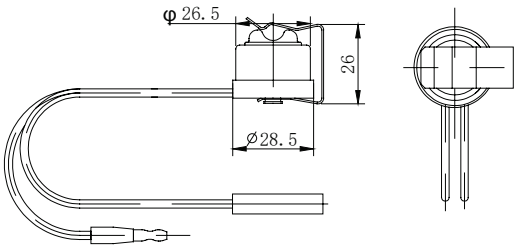

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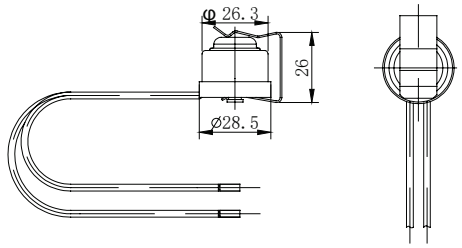

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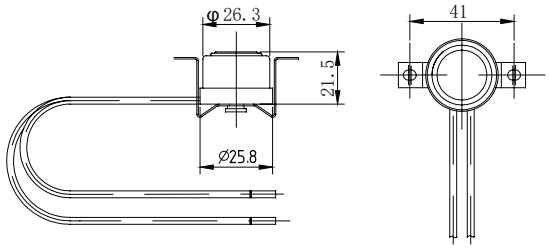

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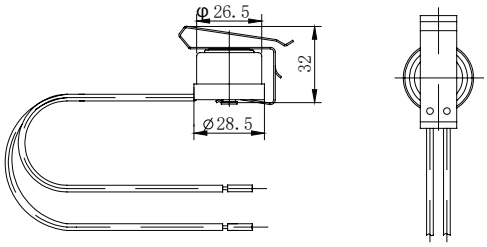

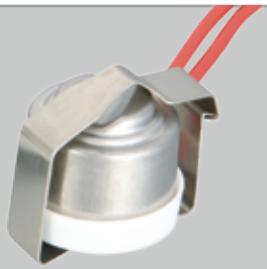

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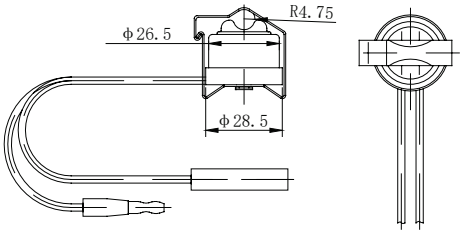

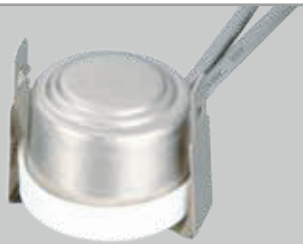

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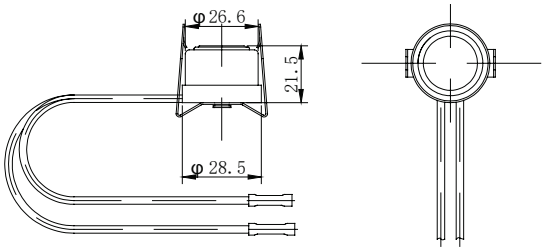

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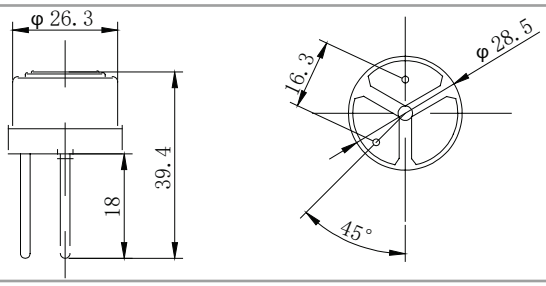

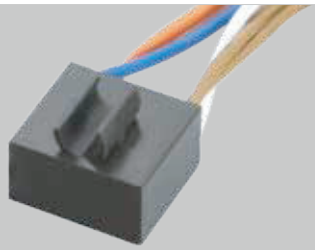

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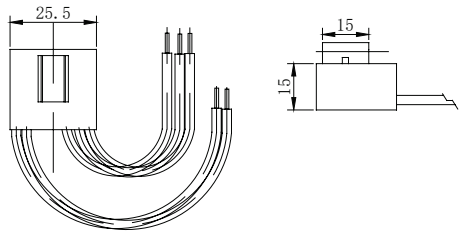

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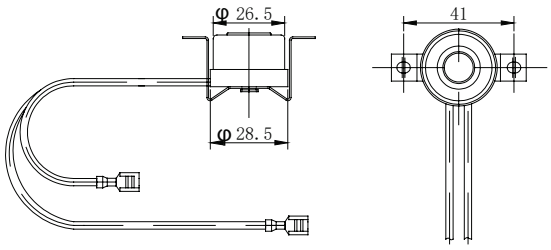

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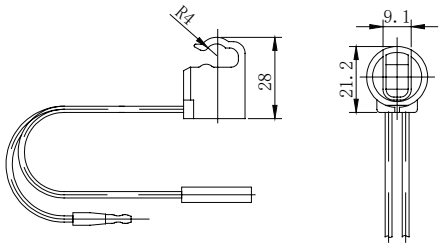

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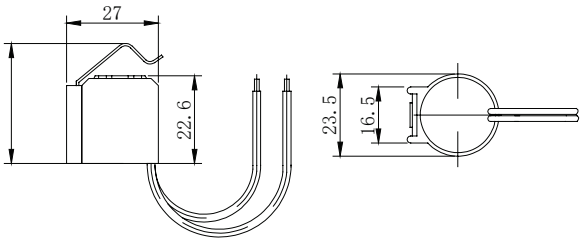

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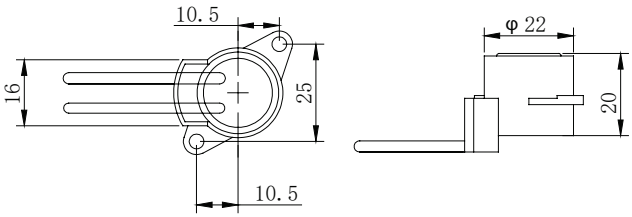

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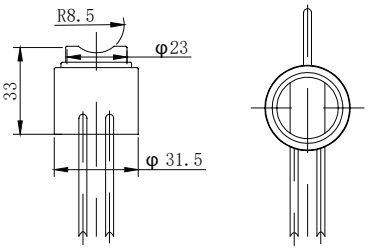

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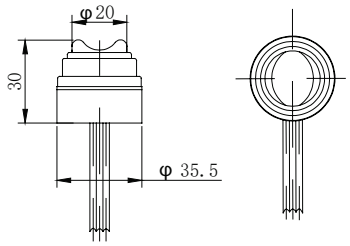

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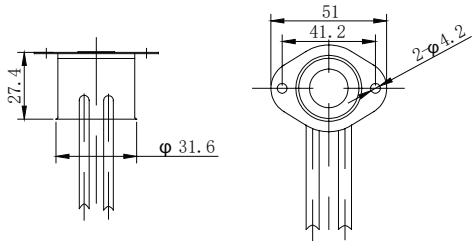

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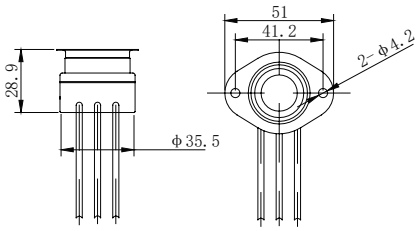

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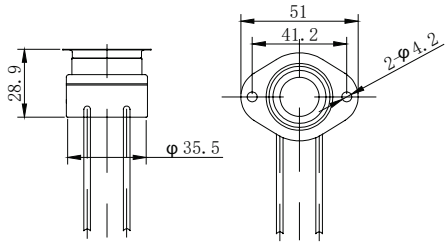

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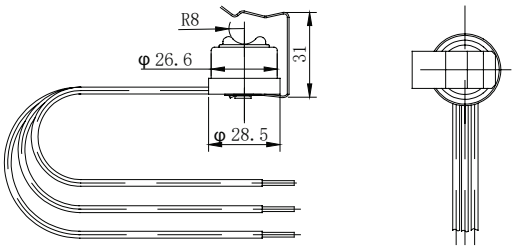

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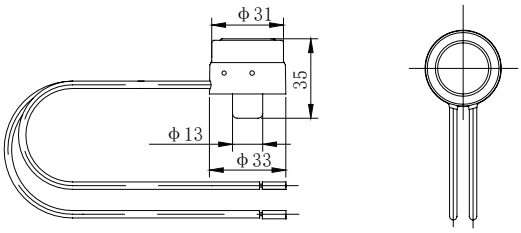


Series EKB-2: Blister Pack Disc Thermostat

Series EKB-2 disc thermostats are designed for frost removal with hermetically sealed blister packaging that provides moisture resistance in high humidity environments.

Electrical rating: 15A@125VAC
16A@250VAC

Temperature range: -30°C to 80°C (-22F to 176F)

Tolerance -Standard: ± 5°C (9F)
-Minimum: ± 2°C (3.6F)

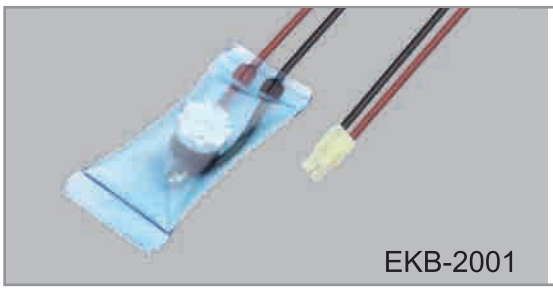
Automatic reset for high and low temperature applications. The switch opens or closes its electric contacts on temperature rise.

Slim design with high contact area allows installation in narrow spaces. Available in surface mount.

A variety of terminal and lead wire options provide excellent design flexibility.

Used in refrigerators, air conditioners, ice makers, freezers, and cold storages doors, as well as for defrost termination and fan delay control.

Approval: UL and cUL (UL STD 873 / UL 60730)



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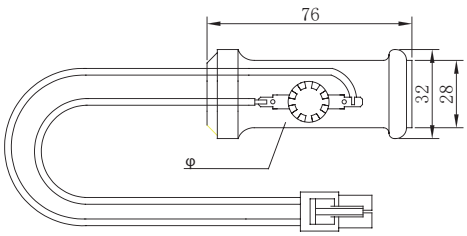

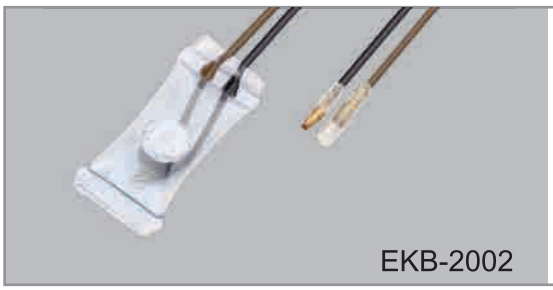

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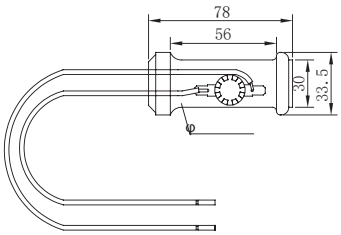

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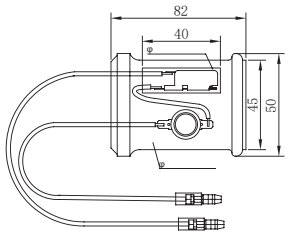

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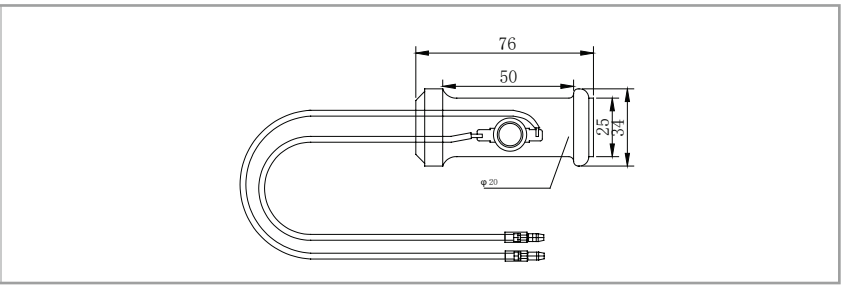

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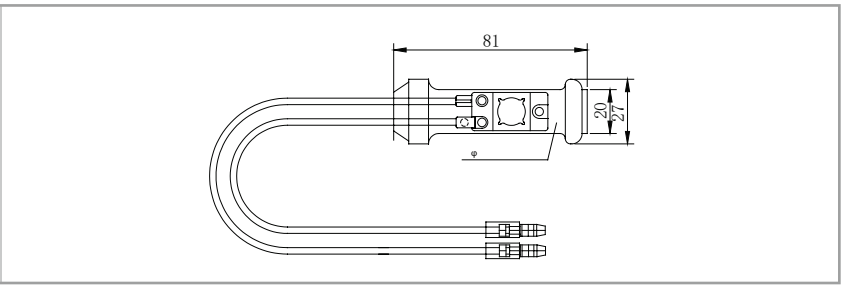

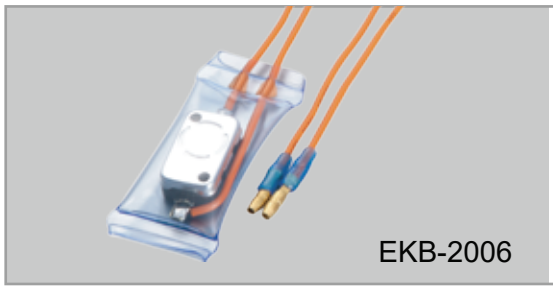

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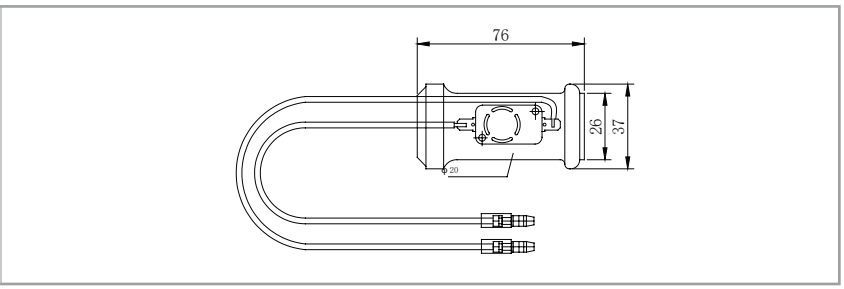

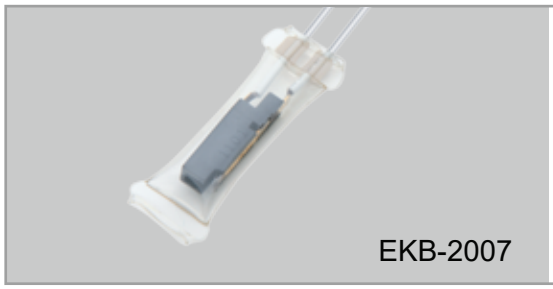

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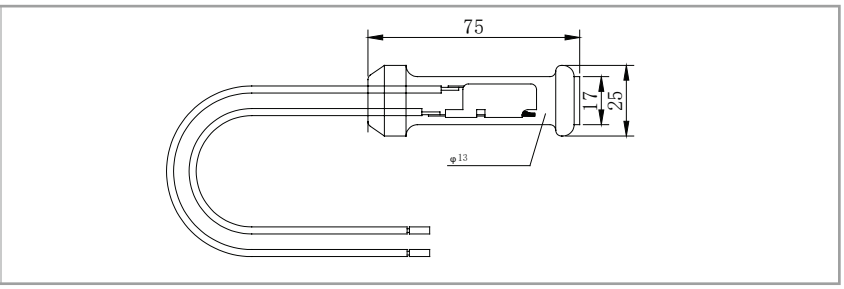

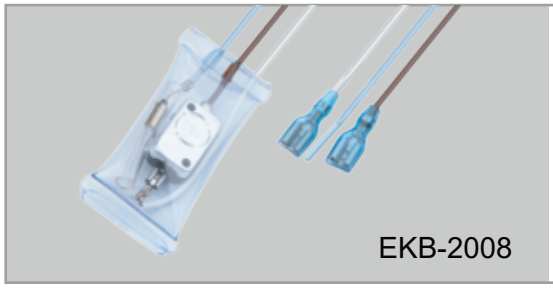

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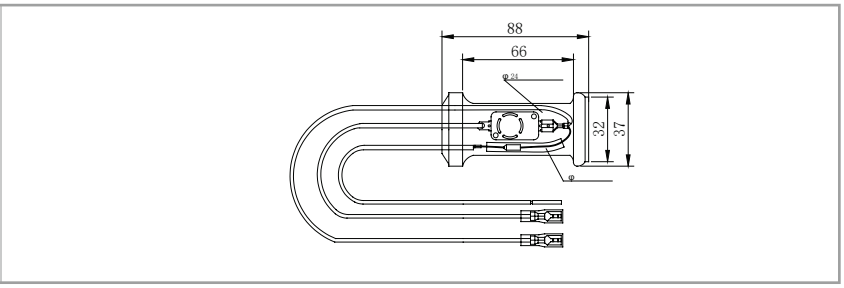

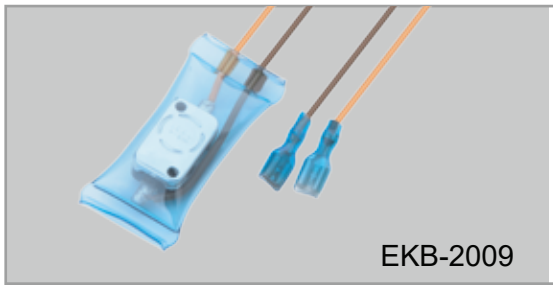

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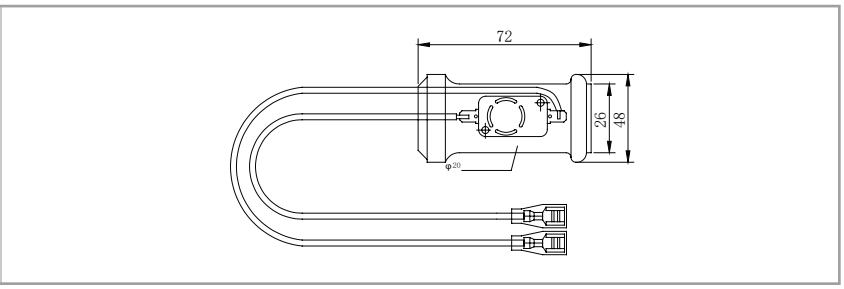
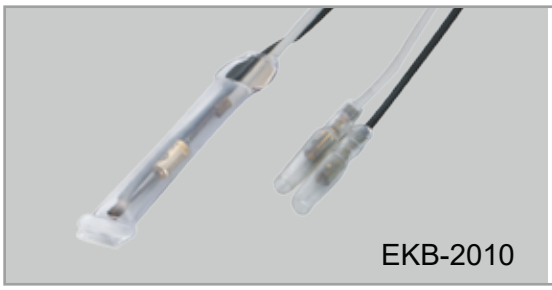
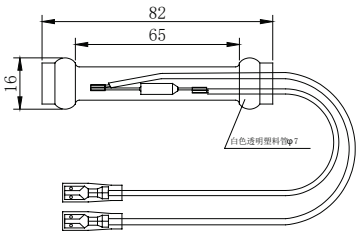
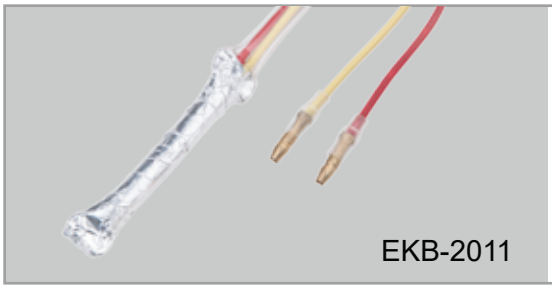


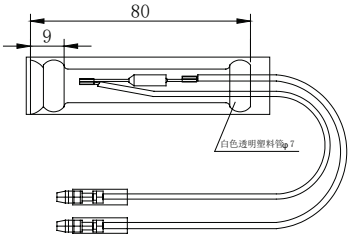


EKB-2010





EKB-2011



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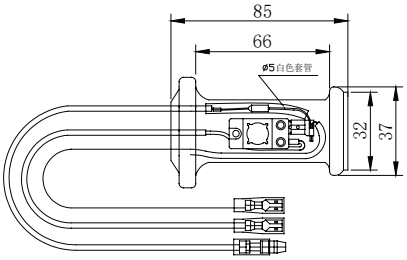

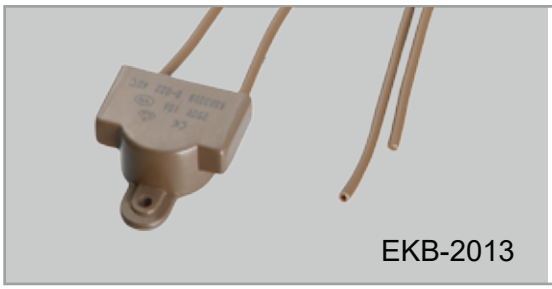

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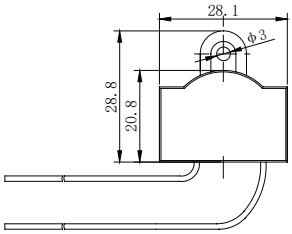

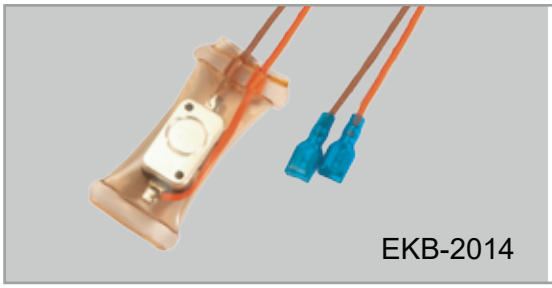

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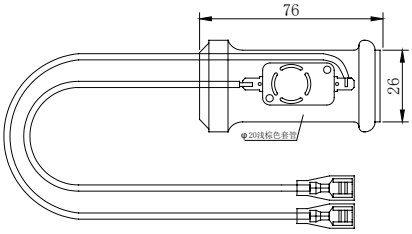

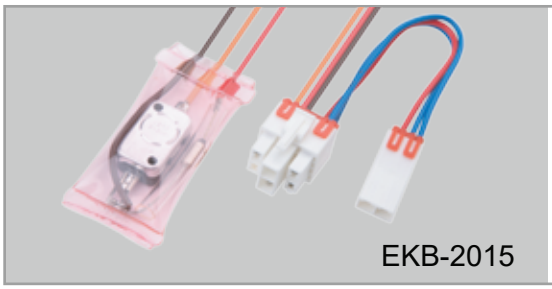

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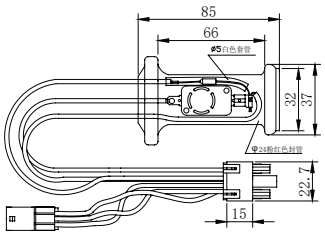

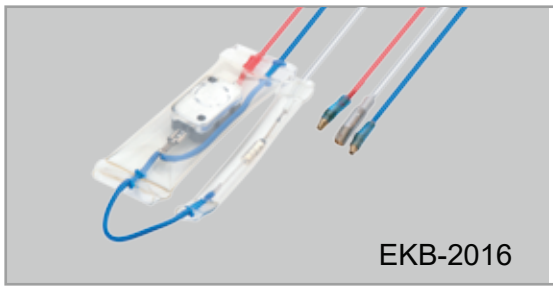

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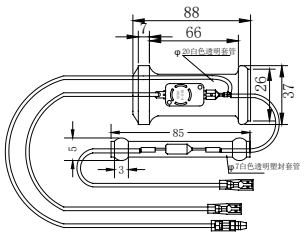

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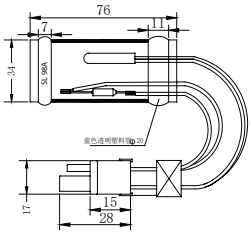

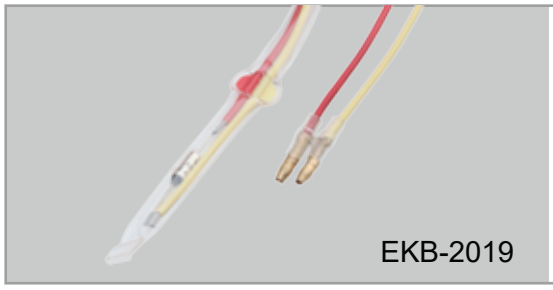

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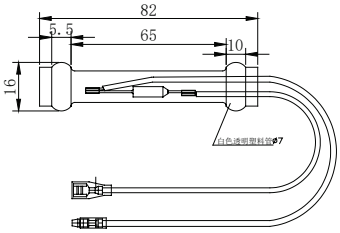

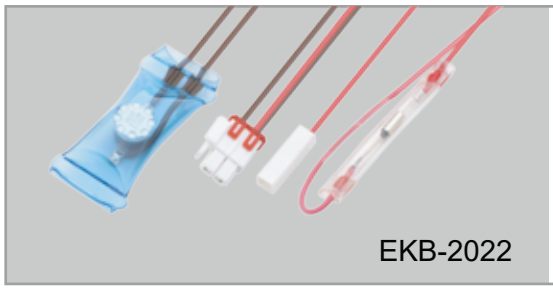

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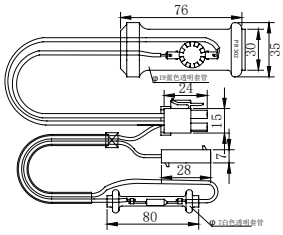

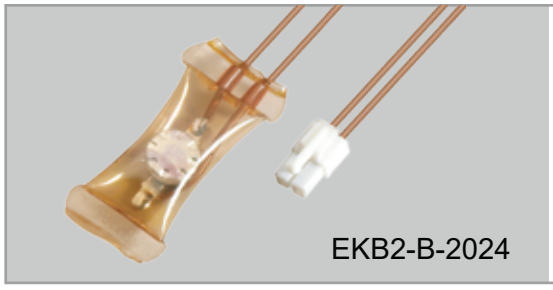

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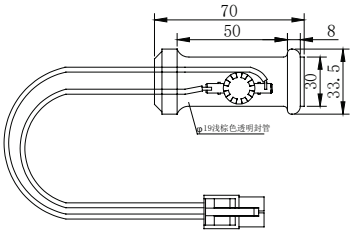

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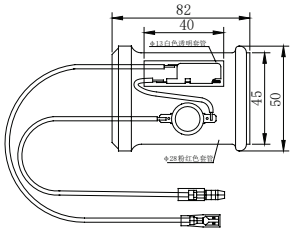

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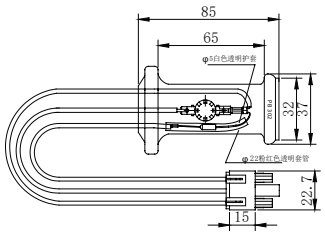

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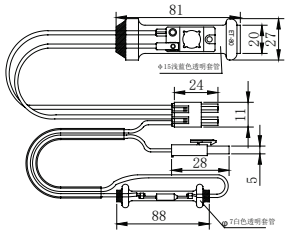

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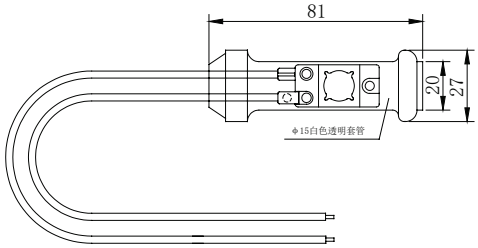

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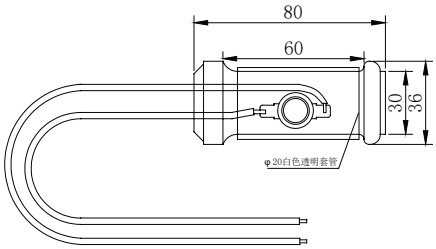

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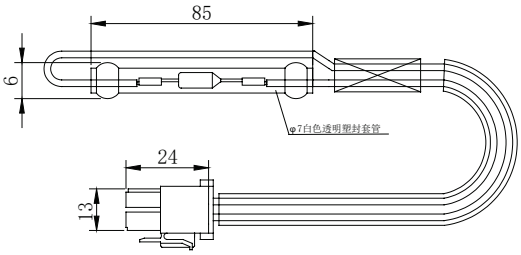

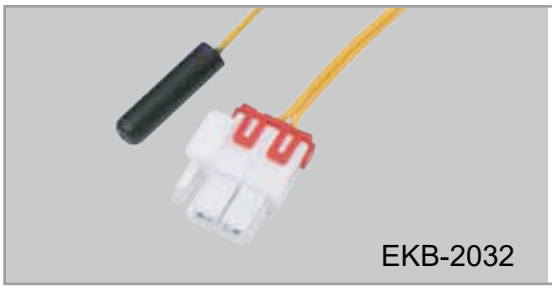

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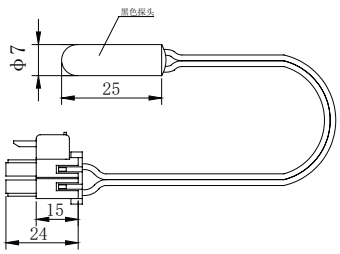

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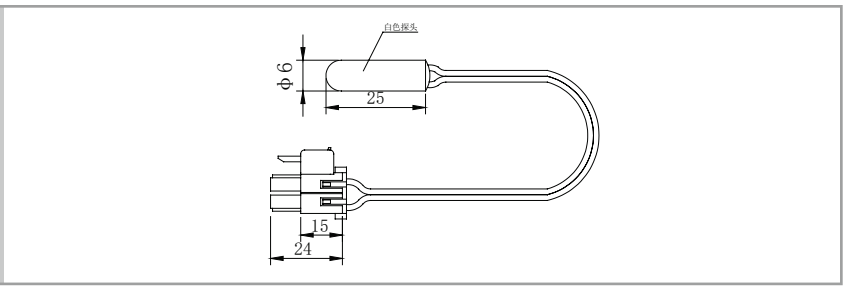

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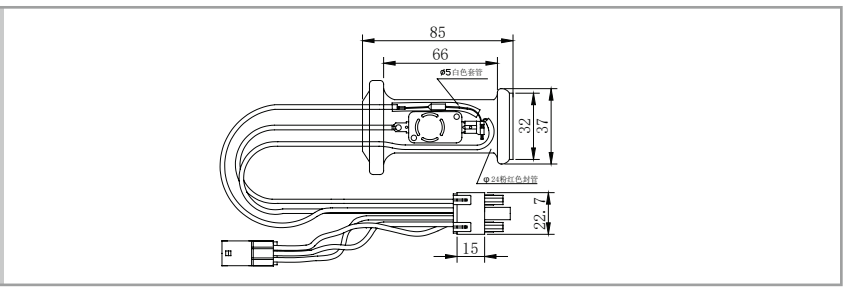

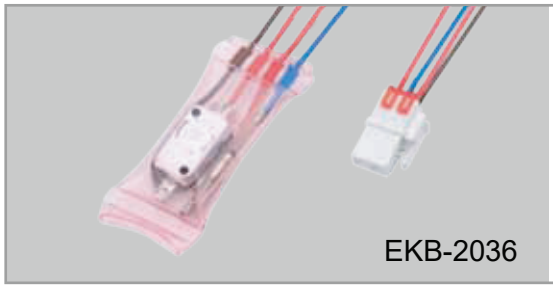

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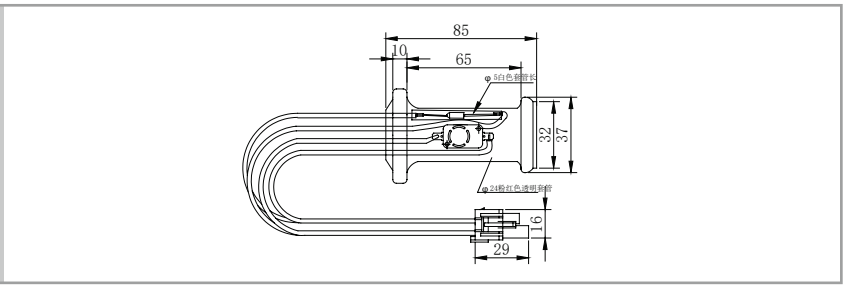

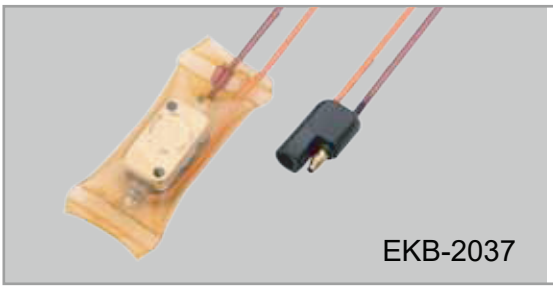

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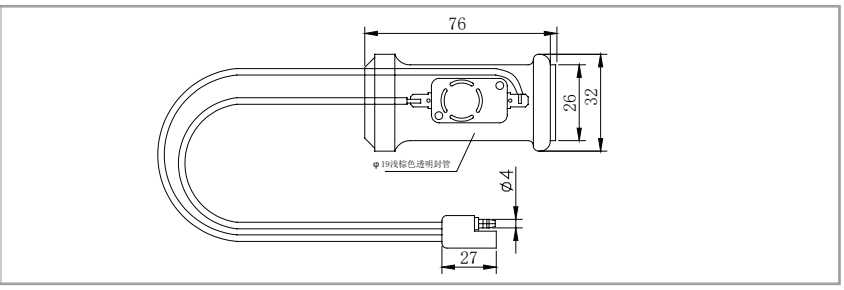

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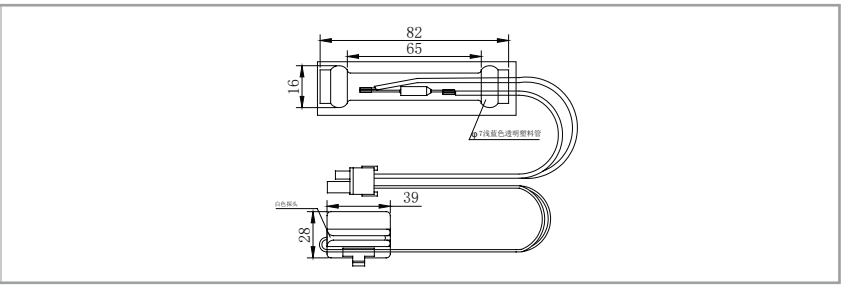

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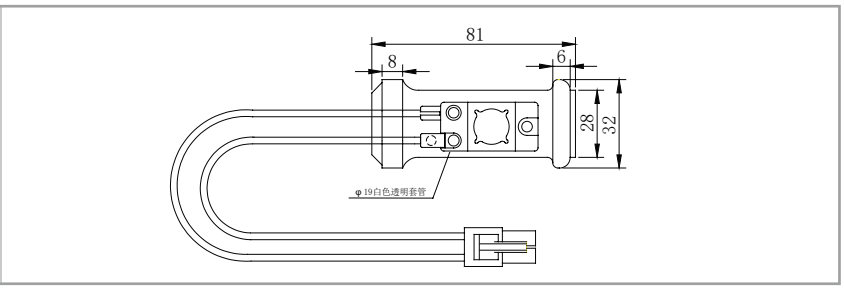


Series EKC: 3/4" Disc Thermostat (High Temperature)

Designed for heavy electric load, with a variety of mounting flanges and terminal configurations.

Electrical rating: up to 25A@120/250/480VAC

Temperature range: Phenolic: -30°C to 150°C (-22F to 300F)
30°C to 140°C (86F to 284F)

Tolerance: Auto Reset: Standard: ± 5°C (9°F) Manual Reset: Standard: ± 5°C (9°F)
Minimum: ± 3°C (5.4°F) Minimum: ± 4°C (7.2°F)

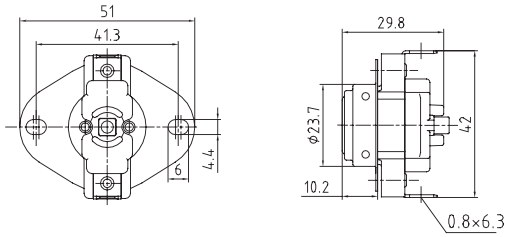
The snap action of the bimetal disc provides high speed contact separation, ensuring long contact life cycle and eliminating contact chattering.

The switch opens or closes its electric contacts on temperature rise.

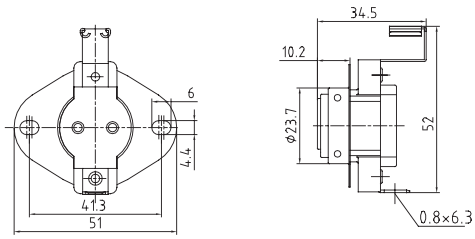
Widely used in HVACR equipment, vending machines, dryers and heaters.

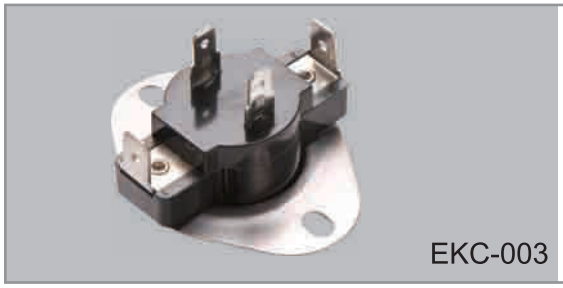
Approval: UL and cUL (UL STD 873 / UL 60730)

EKC-001R



EKC-002





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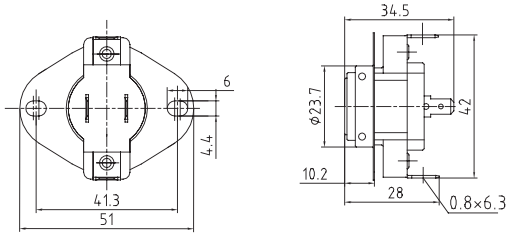

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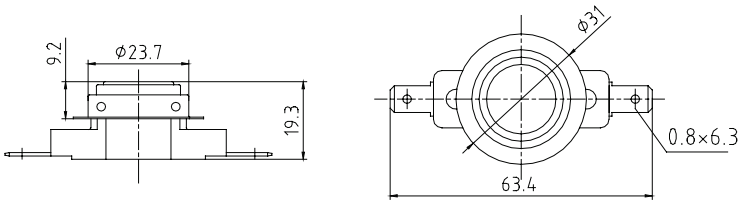
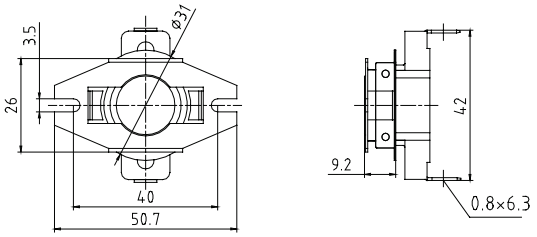


250V/25A 600V/15A SPST

EKC-004A



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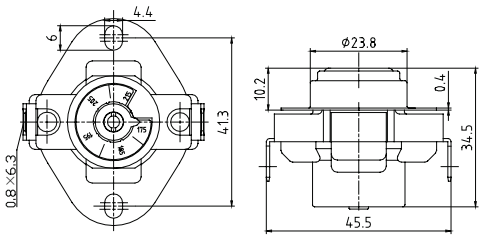

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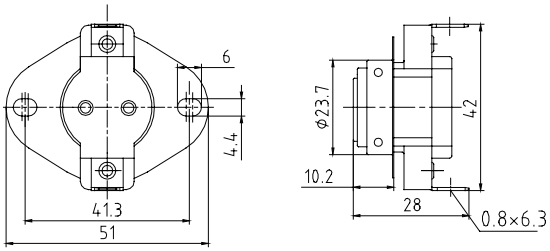
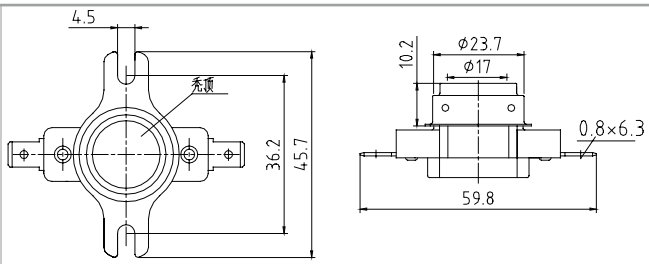


EKC-007S



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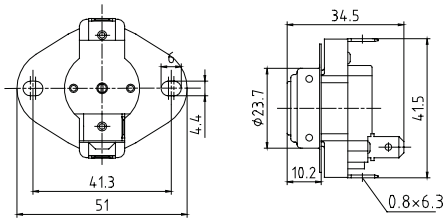

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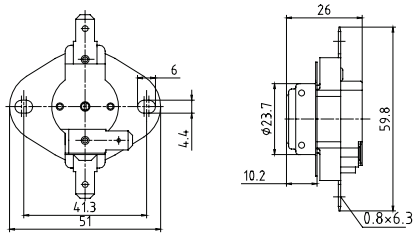
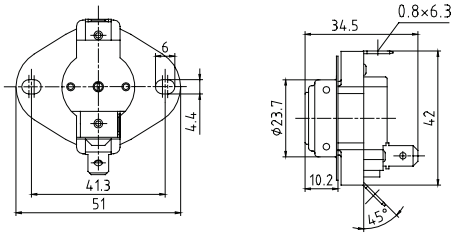


EKC-008C



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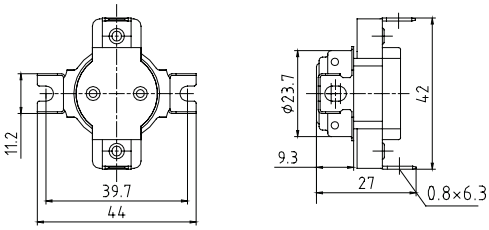

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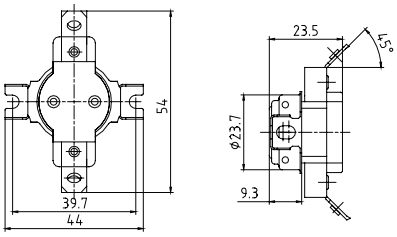

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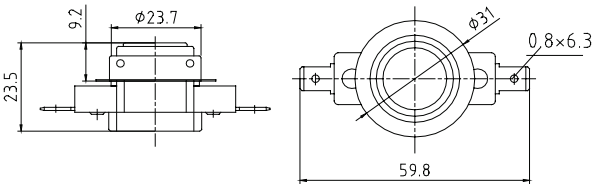

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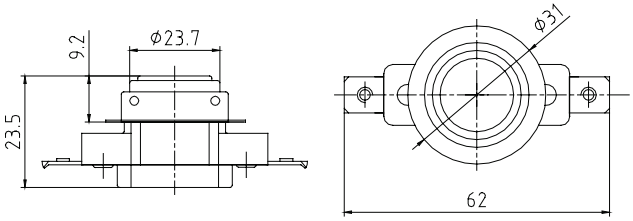

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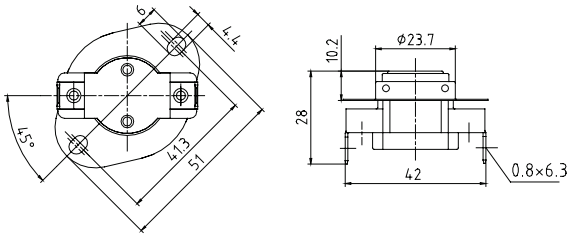
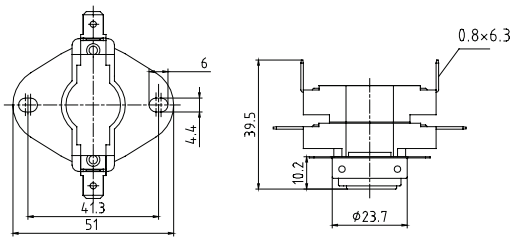
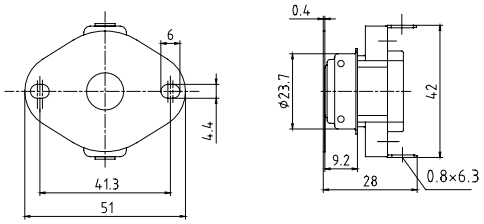


EKC-022



EKC-025



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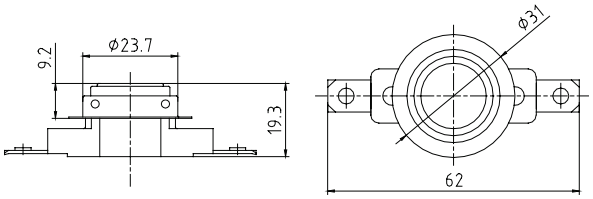

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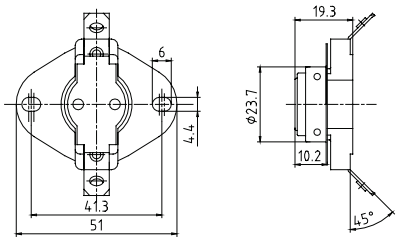

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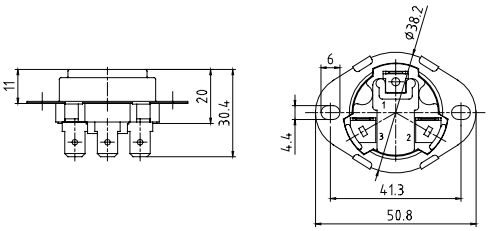
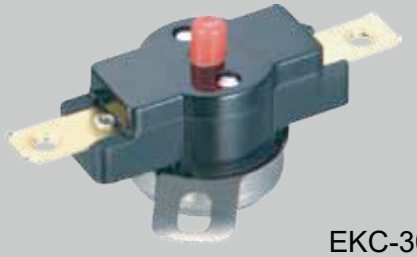
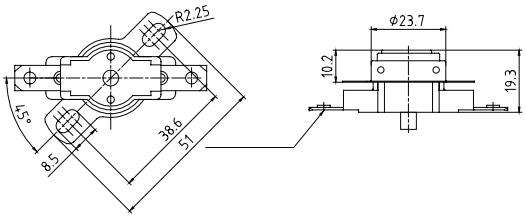
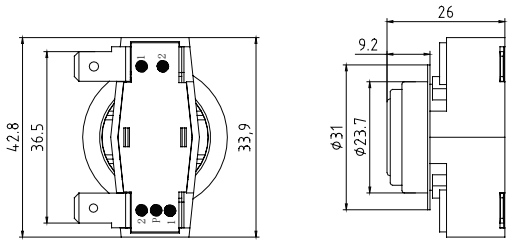




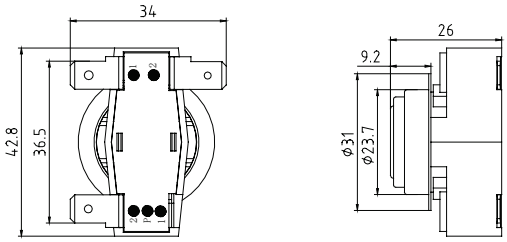
EKC-301R



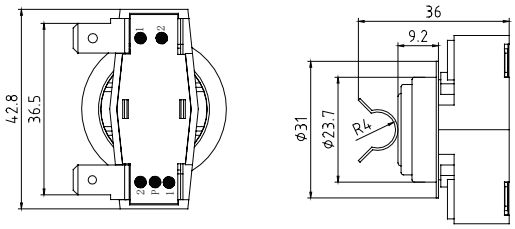
EKC-013A(2Pin)



EKC-013B(3Pin)



EKC-013C(2Pin)



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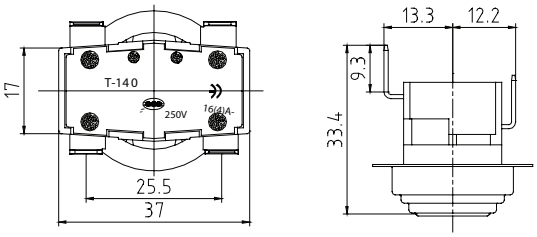

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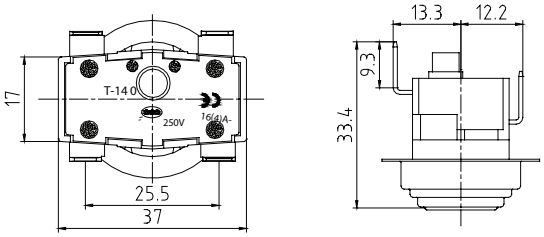
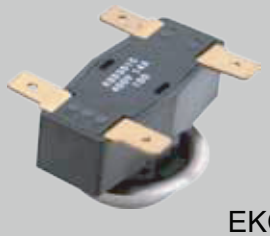
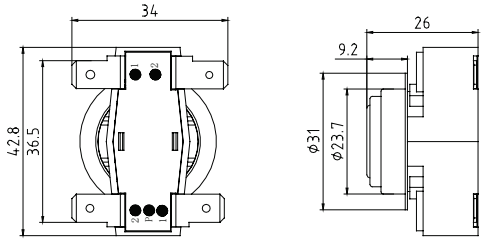
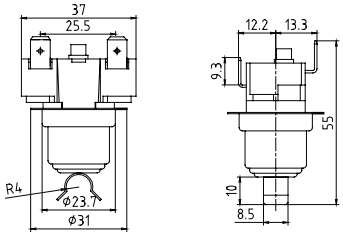




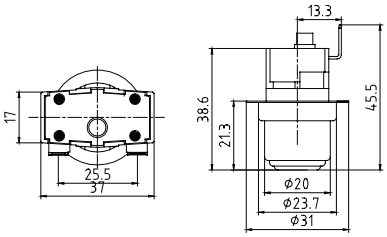
EKC-014B(4Pin)



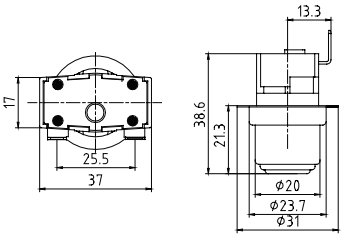
EKC-021R



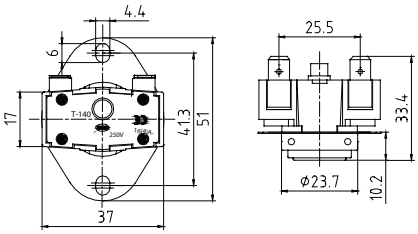
EKC-023R



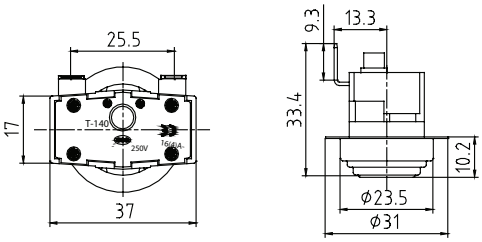
EKC-027



EKC-028R



EKC-013R



Series EKS Time Delay Relays (Sequencers)

Controls the operation of heating elements and blower fans in electric furnaces and heat pumps.

Maximum operating temperature: 185°C
Electrical rating (resistive): 25A @ 120/250 VAC, 50/60 Hz.

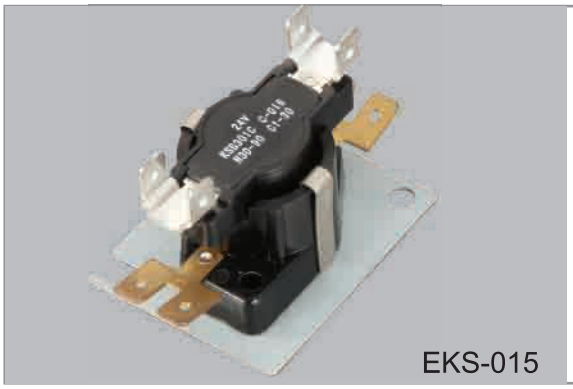
Combine with a solid state positive temperature coefficient (PTC) heater with 24V input.

A wide variety of switch configurations are available, including SPST, SPDT and DPST.

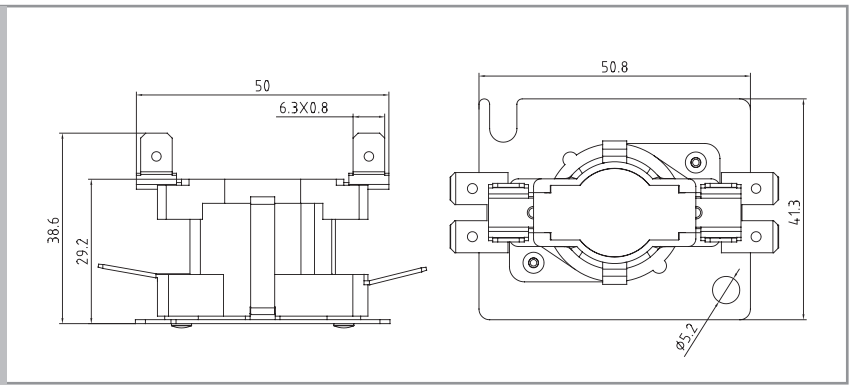
Multi-relay mounting and up to 5 timings.

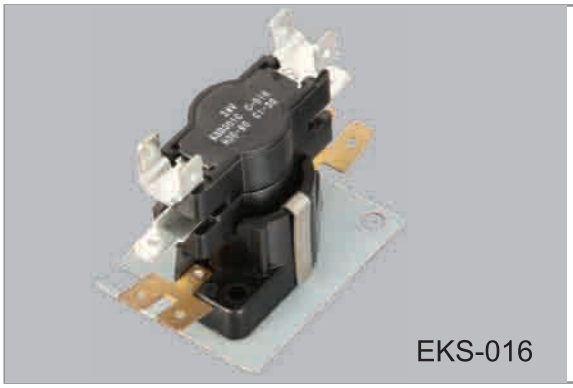
Used in furnaces, heaters, heat pumps and air conditioners.

Approval: UL and cUL (UL STD 873)

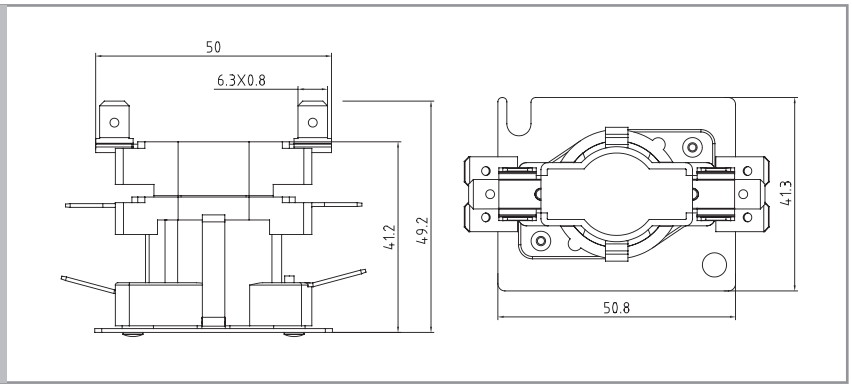


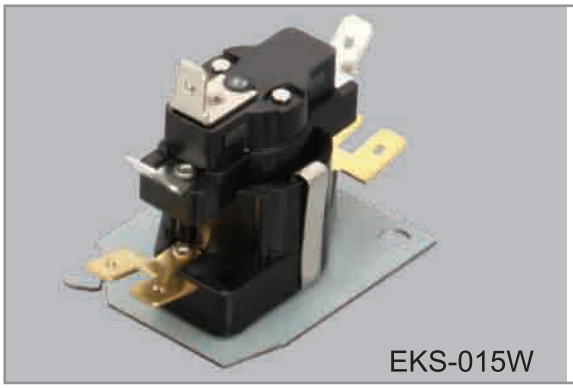
EKS-015



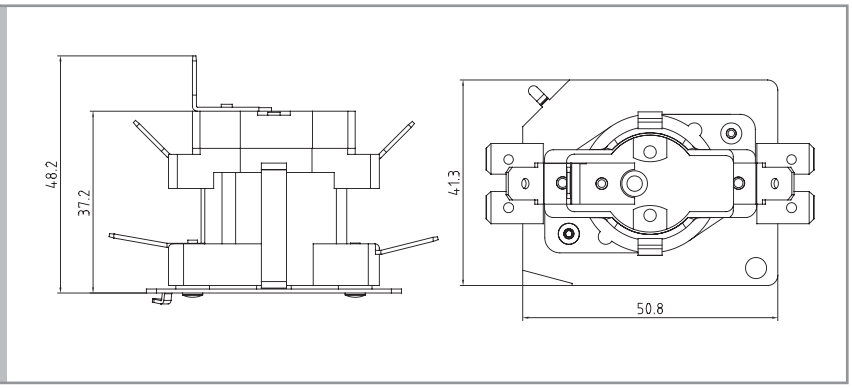


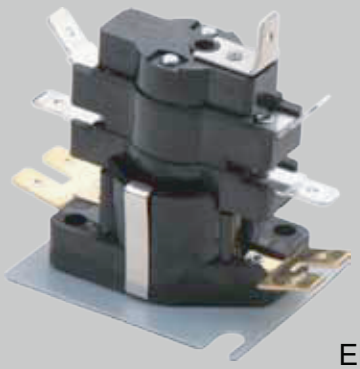
EKS-016





EKS-015W





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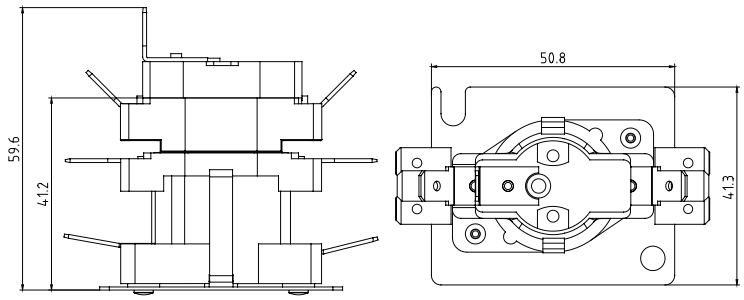
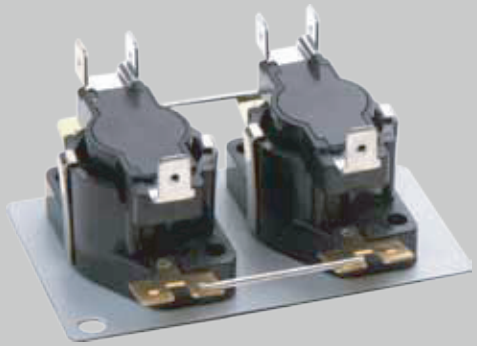
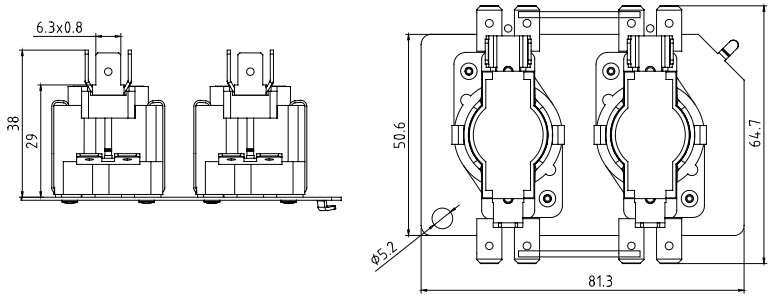
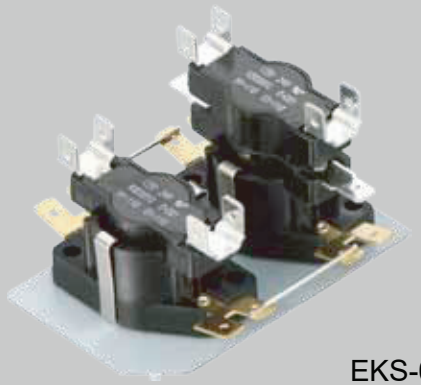




EKS-030





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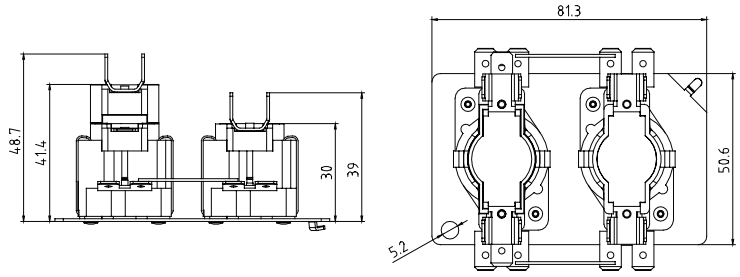

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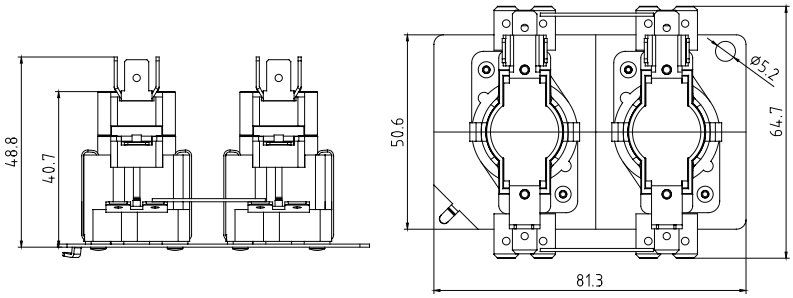

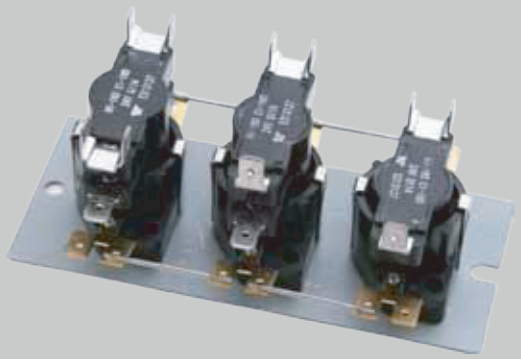

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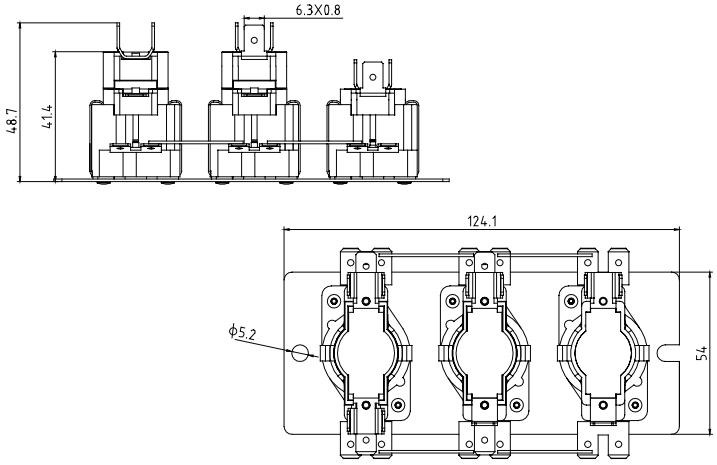

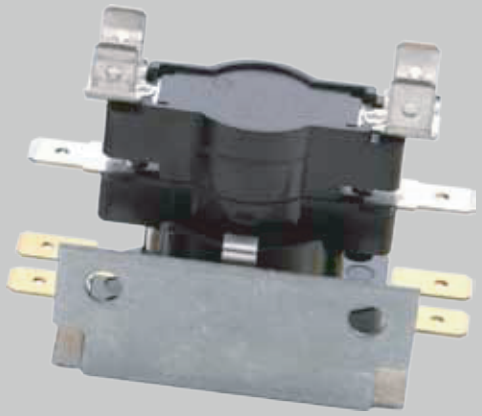

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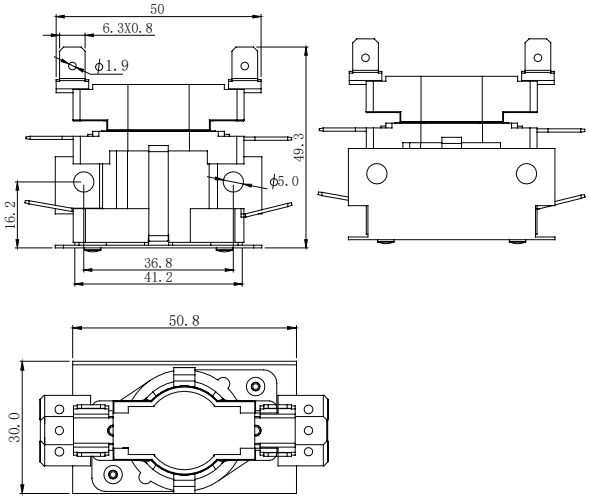
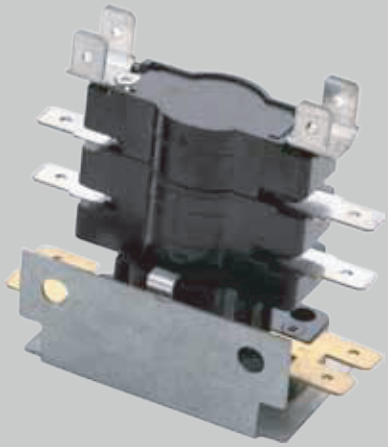
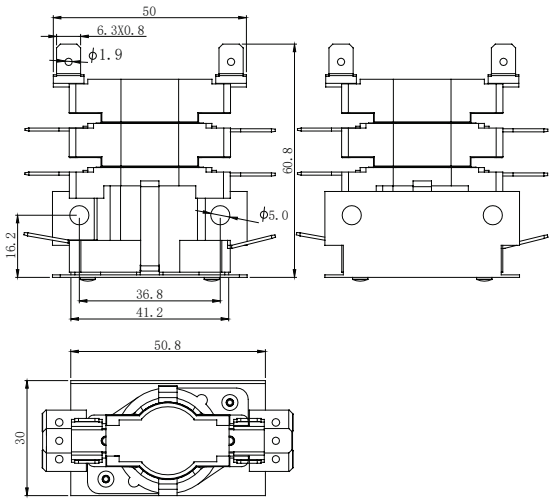




EKS-034



Series EKC-200: Electrical Water Heater Thermostats

Series EKC-200 thermostats are designed for high electrical capacity equipment, and serve as universal replacements for electric water heater thermostats and limiters.

Electrical rating: 40A (NC) and 20A (NO) @ 120-227VAC, 50/60 Hz
25A @ 480VAC, 50/60 Hz

EKC-200: SPST adjustable thermostat that opens on temperature rise

EKC-201: SPDT adjustable thermostat that opens on temperature rise

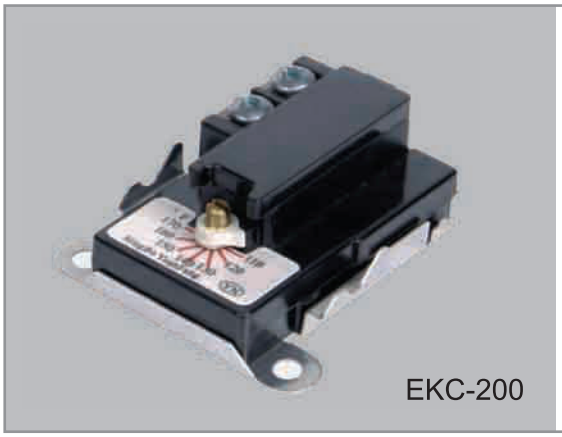
EKC-207R: DPST non-adjustable thermostat for temperature limiting controls

EKC-202: A combination of EKC-200 and EKC-207R

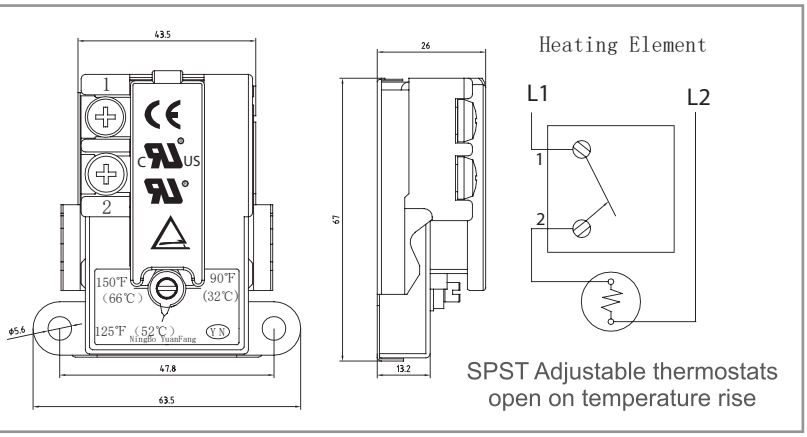
EKC-203: A combination of EKC-201 and EKC-207R

Used in water heaters for residential and commercial applications.

Approval: UL and cUL (UL STD 873)

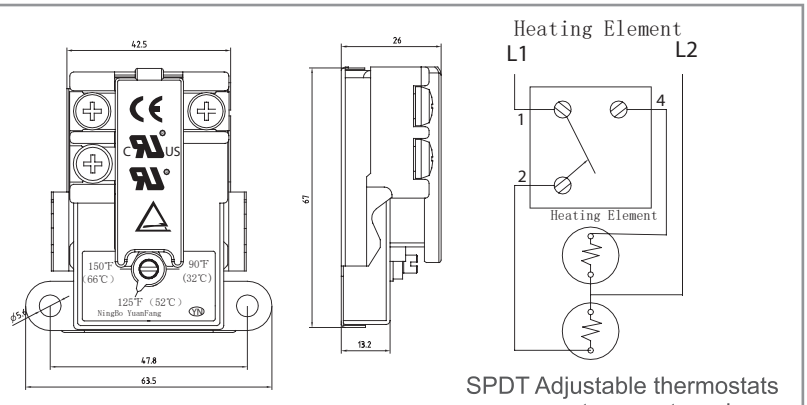


EKC-200

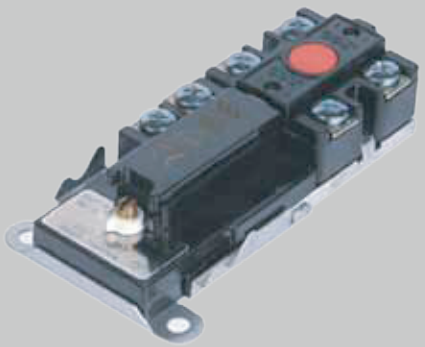


SPST Adjustable thermostats open on temperature rise

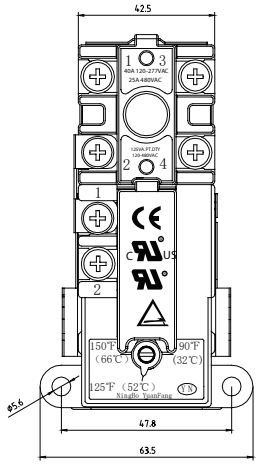
EKC-201

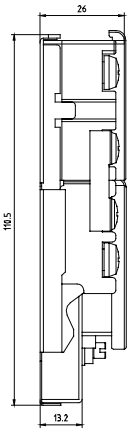


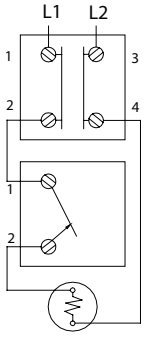
SPDT Adjustable thermostats open on temperature rise



EKC-202

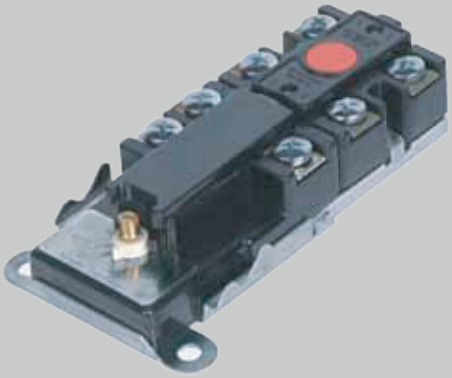




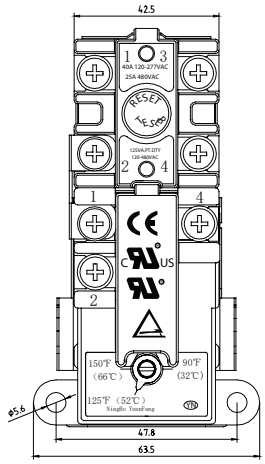


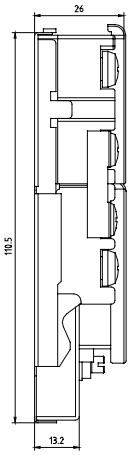
Heating Element

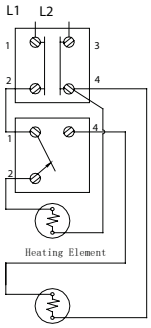
Combination of EKC-200 and EKC-207R



EKC-203



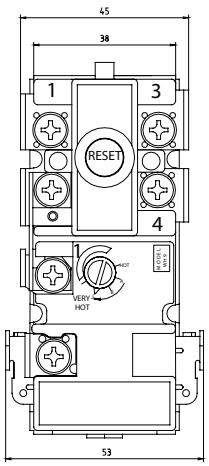


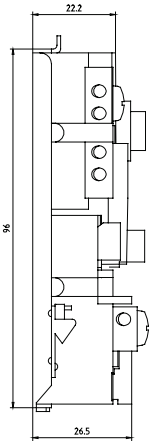


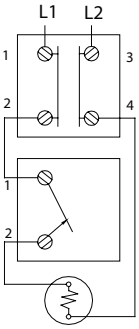
Heating Element

Combination of EKC-201 and EKC-207R

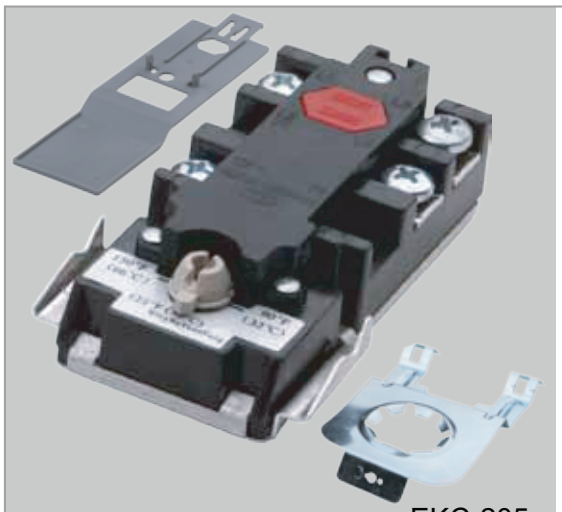
EKC-204



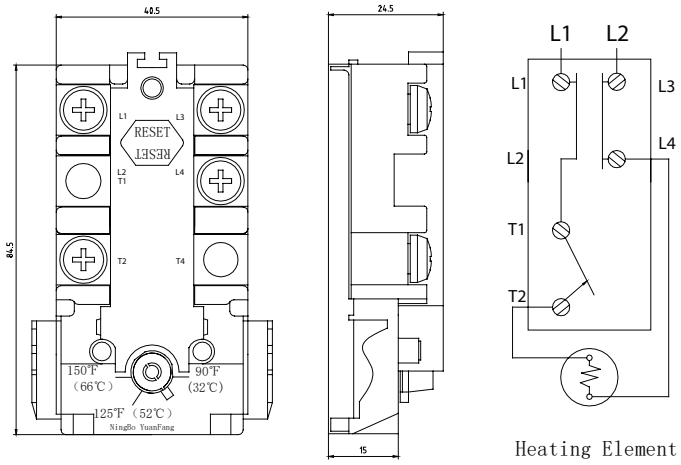




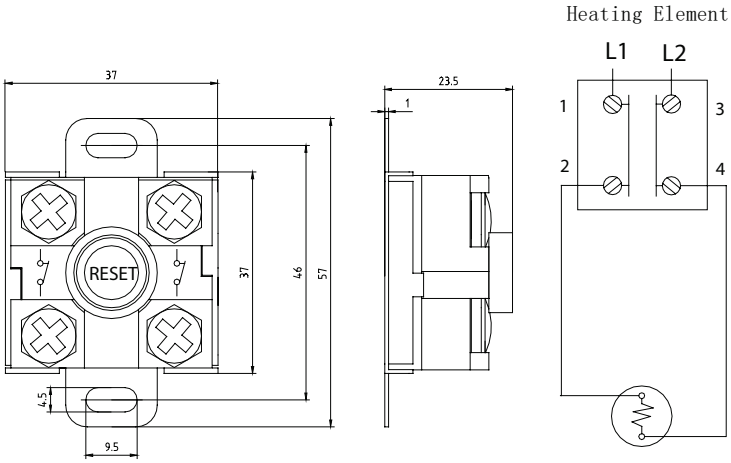
Heating Element



EKC-205

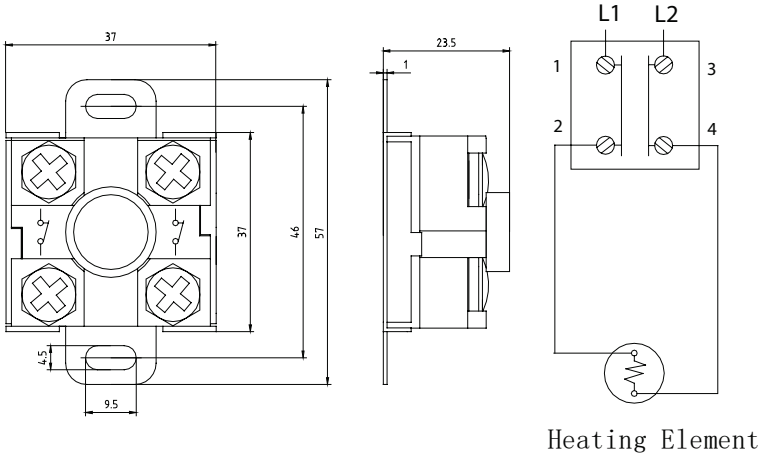


EKC-207R



DPST non adjustable thermostats
for temperature limiting controls

EKC-207



Note:

Note:

Note:

Celsius to Fahrenheit Conversion Chart

°C	°F	°C	°F	°C	°F	°C	°F	°C	°F
300	572	85	185	33	91.4	8	46.4	-17	1.4
290	554	80	176	32	89.6	7	44.6	-18	-0.4
280	536	75	167	31	87.8	6	42.8	-19	-2.2
270	518	70	158	30	86	5	41	-20	-4
260	500	65	149	29	84.2	4	39.2	-21	-5.8
250	482	60	140	28	82.4	3	37.4	-22	-7.6
240	464	55	131	27	80.6	2	35.6	-23	-9.4
230	446	51	123.8	26	78.8	1	33.8	-24	-11.2
220	428	50	122	25	77	0	32	-25	-13
210	410	49	120.2	24	75.2	-1	30.2	-26	-14.8
200	392	48	118.4	23	73.4	-2	28.4	-27	-16.6
190	374	47	116.6	22	71.6	-3	26.6	-28	-18.4
180	356	46	114.8	21	69.8	-4	24.8	-29	-20.2
175	347	45	113	20	68	-5	23	-30	-22
160	320	44	111.2	19	66.2	-6	21.2	-31	-23.8
150	302	43	109.4	18	64.4	-7	19.4	-32	-25.6
140	284	42	107.6	17	62.6	-8	17.6	-33	-27.4
135	275	41	105.8	16	60.8	-9	15.8	-34	-29.2
130	266	40	104	15	59	-10	14	-35	-31
125	257	39	102.2	14	57.2	-11	12.2	-36	-32.8
115	239	38	100.4	13	55.4	-12	10.4	-37	-34.6
110	230	37	98.6	12	53.6	-13	8.6	-38	-36.4
105	221	36	96.8	11	51.8	-14	6.8	-39	-38.2
100	212	35	95	10	50	-15	5	-40	-40
95	203	34	93.2	9	48.2	-16	3.2	-50	-58

For greater accuracy use formulas below:

To convert from Celsius to Fahrenheit: °F = 9 / 5 x °C + 32

To convert from Fahrenheit to Celsius: °C = 5 / 9 x (°F - 32)

°C = temperature in degrees Celsius
°F = temperature in degrees Fahrenheit

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