

Dongguan Tianrui Electronics Co., Ltd.

17AMH Series Bimetal Thermostats



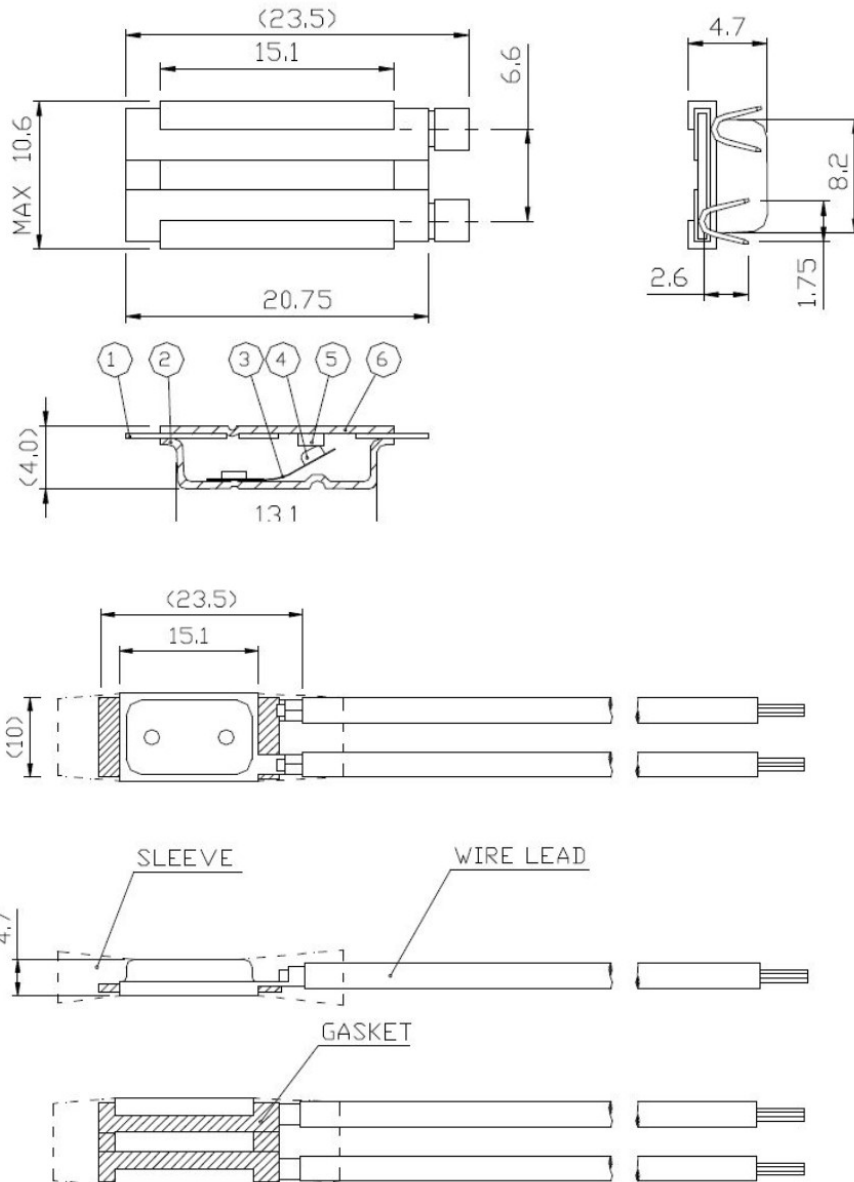
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1: Usage

When the temperature of the disc reaches a predetermined calibration point, the disc snaps open the contacts, thus breaking the current path. When the equipment returns to a normal operating range, the 17AMH resets (close circuit) automatically.

2: Structure

2.1、 See below drawing;



2.2、 Leads: Normal is AWG18# 3321 Black wire, Max temperature 150°C (Customization available);

2.3、 Case Material: SPCC;

2.4、 Sleeve material: Polyester;

3: Electrical Parameters

3.1、 Current Rating

CG(Normal) 250VAC 10A / 125VAC 20A / 24VDC 20A;

DI(high current): 250VAC 15A / 125VAC 25A / 24VDC 25A;

TD(heavy current: 250VAC 20A / 125VAC 30A / 24VDC 30A。

3.2、 Function temperature (See Table 1);

Table 1: 17AMH Part Numbers & Temperatures

Part Number	Opening Temp ±5°C	Reset Temp ±15°C	Part Number	Opening Temp ±5°C	Reset Temp ±15°C

17AMH016A5	45	30	17AMH030A5	115	75
17AMH017A5	50	36	17AMH031A5	120	78
17AMH018A5	55	38	17AMH032A5	125	82
17AMH019A5	60	40	17AMH033A5	130	85
17AMH020A5	65	45	17AMH034A5	135	90
17AMH021A5	70	50	17AMH035A5	140	93
17AMH022A5	75	55	17AMH036A5	145	95
17AMH023A5	80	57	17AMH037A5	150	100
17AMH024A5	85	60	17AMH038A5	155	102
17AMH025A5	90	62	17AMH039A5	160	105
17AMH026A5	95	65	17AMH040A5	165	110
17AMH027A5	100	67	17AMH041A5	170	115
17AMH028A5	105	70	17AMH042A5	175	118
17AMH029A5	110	72	17AMH043A5	180	120

3.3、Insulation Voltage

Withstanding AC1500V for 1 minute or AC1800V for 1 second without breakdown, Leakage current<1mA;

3.4、Insulation Resistance

>100MΩ (DC500V Megameter;);

3.5、Contact Resistance

<50mΩ;

4: Certificates and life cycles

Certificates	Certification Number	Life Cycles
UL、CUL	E258612、E309992	120VAC 6A 100,000
		120VAC 15A 10,000
VDE、CB	40017383、DE1-34606	250VAC 10A 10,000
CQC	CQC07002018912	250VAC 10A 10,000

5: Features:

5.1、Compact structure, over-current and over-temperature protective;

5.2、Using bimetal materials with good electrical conductivity;