

Engineering Product Specifications

(产品承认书)

Customer Name (客户): _____

Customer NO. (客户料号): _____

Model No. (产品型号): _____

Product Description (品名): Limit Thermostats

Part NO. (产品编号): ATM Series

Remark: _____

Document Release		Date(日期)
Prepared by (制表)		
Checked by (审核)		
Approved by (批准)		

Customer Approval		Date(日期)
Signed by (承认)		
Checked by (审核)		
Approved by (批准)		

Dongguan Better Electronics Technology Co., Ltd.

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Room 601 of 16 Block, Xinzhu Yuan, No.4, Xinzhu Road, Songshan Lake Hightech Industrial Development Zone,
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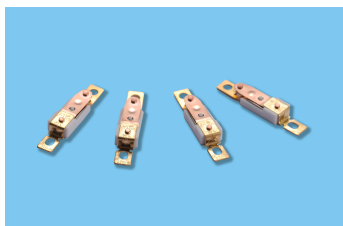
Document Record

No.	Date	Modified Content	Page	Edition	Prepared/modified by	Checked by
1	2016.05.10	Draft		A/0	Jeffery	Faqing Lin
2	2016.07.29	Update the TUV certification		A/1	Jeffery	Helge
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1. SCOPE



The ATM series limit thermostats, mainly apply to over-temperature or over-heating electrical products.

Its main applications are wide. For example heater, hair dryer, slow hot pot, lamps and lanterns which are all related to over-temperature or over-heating protection.

2. GENERAL INFORMATION

2.1 Description

The ATM limit thermostat is triggered by a Bi-metal strip. Its mechanical properties can provide consistent and stable thermal protection.

Construction: The thermostat is composed of 3 parts: Bi-metal mechanism, ceramics and terminal.

2.2 Characteristics

1. Because Bi-metal does not carry any current, it would not be effected by self-heating.
2. It's sensitive to heat, quick-moving and easy to install. it is widely applied in the thermal devices , which can provide reliable over-heating protection.

2.3 Parameters

- Operating temperature: 60℃ ~150℃
- Temperature tolerance: ±5℃, ±7℃
- Resettable temperature: 40℃ to 100℃ (optional)
- Contact endurance: ATM-01(100, 000 cycles), ATM-01P(10, 000 cycles)
- Resistance between contacts: <50mΩ
- Hi-pot test: 1800VAC 0.5mA 2S
- Insulation resistance: >5MΩ

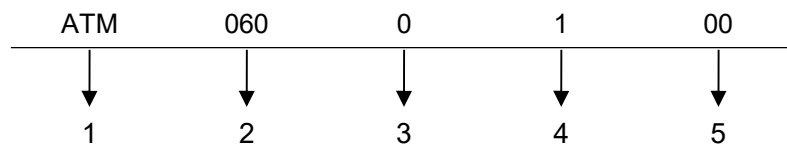
3. AGENCY APPROVALS

Agency	Agency File Number	Voltage / Ampere Range
	E215779	125VAC: 16A (Motor standard: UL60730-2-2)
	E468091	125VAC: 16A (Thermal standard: UL60730-2-9)
	CQC14002118788	250VAC: 10A
	R 50297266	250VAC: 10A

4. PART NUMBERING SYSTEM

4.1 Part Number

Example: ATM0600100



- | | | |
|---|---------------------------------|--|
| 1 |Product Series..... | ATM |
| 2 |Operating Temperature..... | 60°C (See table 4.3) |
| 3 |Shape..... | 0: Normal ceramic base
1: With ear ceramic base |
| 4 |Bring PTC..... | 0: No PTC
1: Bring PTC |
| 5 |Supplementary Code..... | 00 (See table 4.2) |

4.2 Supplementary Code Table

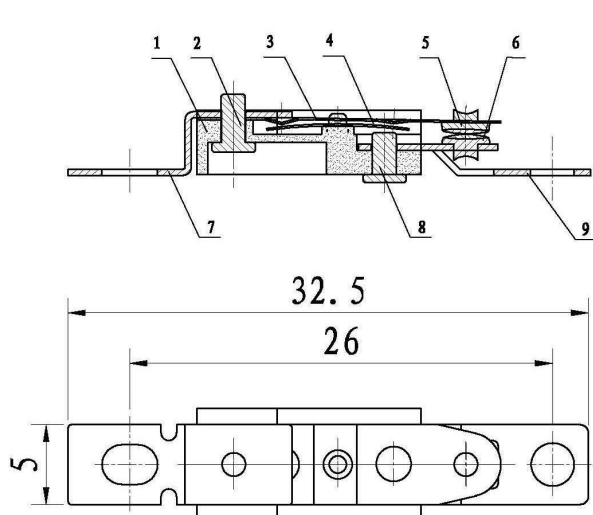
CODE	DESCRIPTION
00	Normal

4.3 Operating Temperature Table

TEMPERATURE CODE	OPERATING TEMPERATURE
060	60°C
065	65°C
070	70°C
075	75°C
080	80°C
085	85°C
090	90°C
095	95°C
100	100°C
105	105°C
110	110°C
115	115°C
120	120°C
125	125°C
130	130°C
135	135°C
140	140°C
145	145°C

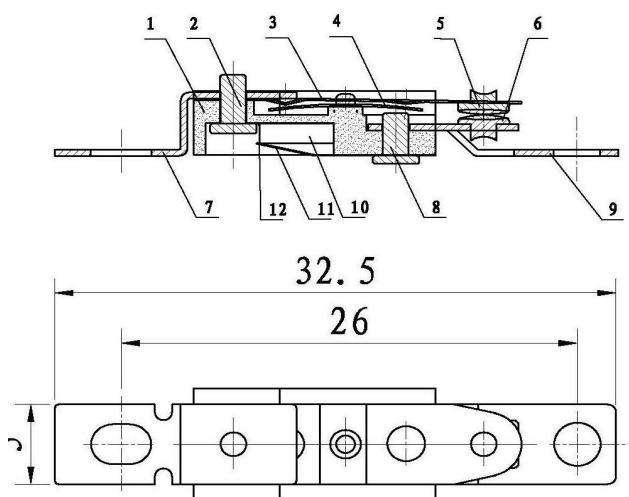
5. CONSTRUCTION AND DIMENSIONS

ATMxxxx0xxxx



- 1 CERAMIC BASE
- 2 LONG RIVET
- 3 MOVING SPRING SHEET
- 4 BI-METAL
- 5 MOVING CONTACT
- 6 FIXED CONTACT
- 7 TERMINAL TAB
- 8 SHORT RIVET
- 9 CONTACT PLATE

ATMxxxx1xxxx



- 1 CERAMIC BASE
- 2 LONG RIVET
- 3 MOVING SPRING SHEET
- 4 BI-METAL
- 5 MOVING CONTACT
- 6 FIXED CONTACT
- 7 TERMINAL TAB
- 8 SHORT RIVET
- 9 CONTACT PLATE
- 10 PTC SHEET
- 11 LOCKING PLATE
- 12 CONNECTION SHEET

(units: mm)

6. ELECTRICAL SPECIFICATIONS

Temperature Characteristics

Part Number	Operating Temperature (°C)	Resettable Temperature (°C)	Approval		
			TUV	UL	CQC
ATM060****	60±5	40±10	•	•	•
ATM065****	65±5	40±10	•	•	•
ATM070****	70±5	45±15	•	•	•
ATM075****	75±5	45±15	•	•	•
ATM080****	80±5	50±15	•	•	•
ATM085****	85±5	55±15	•	•	•
ATM090****	90±5	60±15	•	•	•
ATM095****	95±5	65±15	•	•	•
ATM100****	100±5	70±15	•	•	•
ATM105****	105±5	70±15	•	•	•
ATM110****	110±5	75±15	•	•	•
ATM115****	115±5	75±15	•	•	•
ATM120****	120±5	80±15	•	•	•
ATM125****	125±5	85±15	•	•	•
ATM130****	130±5	85±15	•	•	•
ATM135****	135±5	90±15	•	•	•
ATM140****	140±5	90±15	•	•	•
ATM145****	145±5	95±15	•	•	•
ATM150****	150±5	100±15	•	•	•

Note:

- (1) The above resettable temperatures are only reference, which can be customized according to customer's requirements
- (2) 250VAC by 10A, 125VAC by 16A
- (3) The TUV and CQC certification by 250V, the cURus certification by 125V.

7. ORDERING INFORMATION

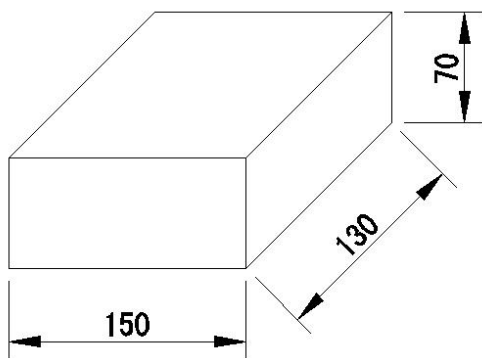
The following information is necessary in order to place your order with us correctly:

Series	Operating Temperature	Supplementary Code	Quantity
ATM			

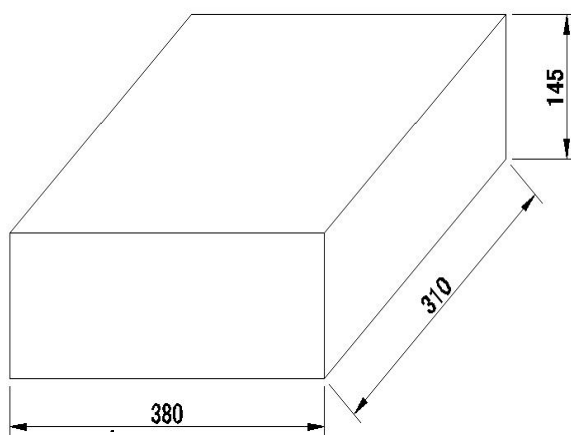
8. PACKING INFORMATION

Package Detail:

Inner Packaging Box



Master Carton



Minimum Qty Per Box	Maximum Qty Per Carton	Carton Weight
1000pcs	10000pcs	23.5KG

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东莞市贝特电子科技股份有限公司

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9. APPENDIX



ONLINE CERTIFICATIONS DIRECTORY

YFZW2.E215779

Thermal Motor Protectors and Protectors for Hermetic and Semi-hermetic Compressors - Component

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Thermal Motor Protectors and Protectors for Hermetic and Semi-hermetic Compressors - Component

[See General Information for Thermal Motor Protectors and Protectors for Hermetic and Semi-hermetic Compressors - Component](#)

DONGGUAN BETTER ELECTRONICS TECHNOLOGY CO LTD

E215779

RM 601 OF 16 BLK

XINZHUYUAN NO 4 XINZHU RD

SONGSHANLAKE HIGHTECH INDUSTRIAL DEVELOPMENT ZONE

DONGGUAN, GUANGDONG 523808 CHINA

Thermal Motor Protectors, Model(s) ATM-01 Series, ATM-01P Series

Thermal protectors, auto reset, Model(s) Series KSD

Marking: Company name, model designation and the Recognized Component Mark,  .

Last Updated on 2015-11-10

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XAPX2.E468091
Temperature-indicating and -Regulating Equipment - Component

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Temperature-indicating and -Regulating Equipment - Component

[See General Information for Temperature-indicating and -Regulating Equipment - Component](#)

DONGGUAN BETTER ELECTRONICS TECHNOLOGY CO LTD

E468091

Rm 601 Of 16 Blk
Xinzhu Yuan No 4 Xinzhu Rd
Songshan Lake Hightech Industrial Development Zone
Dongguan, Guangdong 523808 CHINA

Investigated to UL-60730-1, UL 60730-2-9

Protective control, Model(s) Thermal cut-out ATM-01 Series, Voltage maintained thermal cut-out ATM-01P Series

Model(s) KST-A, KST-B, KST-C, KST-D, KST-R

Marking: Company name and model designation.

[Last Updated](#) on 2016-05-25

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产品认证证书

证书编号: CQC14002118788

申请人名称及地址

东莞市贝特电子科技股份有限公司
东莞市松山湖高新技术产业开发区新竹路4号新竹苑16座办公601

制造商名称及地址

东莞市贝特电子科技股份有限公司
东莞市松山湖高新技术产业开发区新竹路4号新竹苑16座办公601

生产企业名称及地址

东莞市贝特电子科技股份有限公司 (V003591)
东莞市寮步镇横坑南门村第二工业区C座、B座

产品名称和系列、规格、型号

温控器 (热切断器)

ATM系列10A 动作温度范围60℃-150℃ 1.C型 10000周期 绝缘支撑件为陶瓷 自动复位 污染等级2 (系列命名方式见附件)

产品标准和技术要求

GB14536.1-2008, GB14536.10-2008

认证模式

产品型式试验+初次工厂检查+获证后监督

上述产品符合CQC11-448321-2016认证规则的要求, 特发此证。

发证日期: 2016年08月03日

证书有效期内本证书的有效性依据发证机构的定期监督获得保持。

本证书为变更证书, 证书首次颁发日期: 2014年12月08日

经中国合格评定国家认可委员会认可 CNAS C001-P

主任: _____



中国质量认证中心

中国·北京·南四环西路188号9区100070

<http://www.cqc.com.cn>

C 0086875



PRODUCT CERTIFICATE

No.: CQC14002118788

NAME AND ADDRESS OF THE APPLICANT

Dongguan Better Electronics Technology Co., Ltd.
Room 601 of 16 Block, Xinzhu Yuan, No 4, Xinzhu Road, Songshan Lake Hightech Industrial Development
Zone, Dongguan City

NAME AND ADDRESS OF THE MANUFACTURER

Dongguan Better Electronics Technology Co., Ltd.
Room 601 of 16 Block, Xinzhu Yuan, No 4, Xinzhu Road, Songshan Lake Hightech Industrial Development
Zone, Dongguan City

NAME AND ADDRESS OF THE FACTORY

Dongguan Better Electronics Technology Co., Ltd. (V003591)
Nanmen Village, Hengkeng Administrative Zone Liao Bu Town, Dongguan

NAME, MODEL AND SPECIFICATION

Thermostat

ATM series action Temperature: 60°C-150°C Type I.C, 10000 Cycles Automatic reset, pollution level II

THE STANDARDS AND TECHNICAL REQUIREMENTS FOR THE PRODUCTS

GB14536.1-2008, GB14536.10-2008

CERTIFICATION MODEL

Type Testing of Product + Initial Factory Inspection + Follow up Factory Inspection

This is to certify that the above mentioned products have met the requirements of certification rules
CQC11-448321-2016.

Date of issue: Aug.03,2016

Validity of this certificate is subject to positive result of the regular follow up inspection by issuing
certification body until the expiry date.

Date of original certification: Dec.08,2014

Accredited by China National Accreditation Service for Conformity Assessment CNAS C001-P

President:

Wang Kejiao



CHINA QUALITY CERTIFICATION CENTRE

Section 9, No.188, Nansihuan Xilu, Beijing 100070 P.R.China
<http://www.cqc.com.cn>

C 0086875

Zertifikat

Certificate



Zertifikat Nr. Certificate No.
R 50297266

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0001

Ihr Zeichen Client Reference

Unser Zeichen Our Reference

Ausstellungsdatum

Date of Issue
(day/month/year)

05-RBI- 16060507 001

13.11.2014

Genehmigungsinhaber License Holder

Dongguan Better Electronics
Technology Co., Ltd.
Room 601 of 16 Block, Xinzhu Yuan
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Hightech Ind. Development Zone
Dongguan City, Guangdong Province
P.R. China

Fertigungsstätte Manufacturing Plant

FOSHAN WHOLESOME ELECTRONICS
CO., LTD.
No. 17 Wufeng Industrial Zone
Dasha Road, Zhangcha
Foshan, Guangdong 528000
P.R. China

Prüfzeichen Test Mark



Geprüft nach Tested acc. to

EN 60730-1:2000+A1+A2+A12+A13+A14+A16
EN 60730-2-9:2010

Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

Temperature Control (Thermal cut-out)

Type Designation : ATM-01P ATM-01
Trademark : Better (logo)
Rated Voltage : AC 250V; 50Hz
Rated Current : 10A
Operation Cycles : 10,000 (Automatic reset)
Operating Temperature : 60°C - 150°C
Action Type : 1.C
Degree of Protection : IP00
Degree of Pollution : 2
Rated Impulse Voltage : 2500V
Type of Disconnection : Micro-interruption
Construction : Incorporated Control
for Class I or II Equipment

6

Remark : The labelling requirements acc. to EU Directive
2001/95 have to be observed for distribution within the EEA.
The installation has to be carried out according to
installation instruction accompanying the products.

ANLAGE (Appendix): 1

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde und es bestätigt die Konformität
des Produktes mit den oben genannten Standards und Prüfgrundlagen. Zusätzliche Anforderungen
in Ländern, in denen das Produkt in Verkehr gebracht werden soll, müssen zusätzlich
betrachtet werden. Die Herstellung des zertifizierten Produktes wird überwacht.
This certificate is based on our Testing and Certification Regulation and states the conformity
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requirements in countries where the product is going to be marketed have to be considered
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6

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Tel.: (+49/221) 8 06 - 13 71 e-mail: cert-validity@de.tuv.com

Fax: (+49/221) 8 06 - 39 35 http://www.tuv.com/safety

G. Yin

Zertifikat

Certificate



Zertifikat Nr. Certificate No.
R 50297266

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0002

Ihr Zeichen Client Reference

Unser Zeichen Our Reference

Ausstellungsdatum

Date of Issue
(day/mo/yr)

05-YFC- 16060507 002

22.07.2016

Genehmigungsinhaber License Holder

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Technology Co., Ltd.
Room 601 of 16 Block, Xinzhu Yuan
No 4, Xinzhu Road, Songshan Lake
Hightech Ind. Development Zone
Dongguan City, Guangdong Province
P.R. China

Fertigungsstätte Manufacturing Plant

Dongguan Better Electronics
Technology Co., Ltd.
Nanmen Village, Hengkeng
Administrative Zone, Liaobu Town
Dongguan, Guangdong
P.R. China

Prüfzeichen Test Mark



Type Approved
Safety
Regular Production
Surveillance

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ID 2000000000

Geprüft nach Tested acc. to

EN 60730-1:2000+A1+A2+A12+A13+A14+A16

EN 60730-2-9:2010

Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

Temperature Control (Thermal cut-out)

as page 0001

Change

Name of the factory : see above
Address of the factory : see above

Remark : The labelling requirements acc. to EU Directive
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