

Engineering Product Specifications

(产品承认书)

Customer Name (客户): _____

Customer NO. (客户料号): _____

Model No. (产品型号): **KSD Series**

Product Description (品名): **Thermal Protector**

Part NO. (产品编号): _____

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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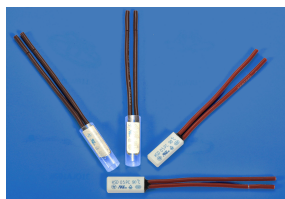
Document Record

No.	Date	Modified Content	Page	Edition	Prepared/modified by	Checked by
1	2016.08.04	Draft		A/0	Jeffery	Faqing Lin
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1. SCOPE AND DESCRIPTION



The product for the KSD series thermal protector. Mainly as electrical appliances overheating or over temperature protection function.

KSD series thermal protector, widely used, mainly used in electric motors, pumps, lamps and lanterns, transformer, fan and related temperature overheat or over temperature protection appliance.

2. GENERAL INFORMATION

General Description

Function: KSD thermal protector is through the bimetallic strip feel the change of temperature jump off action, and then cut off the circuit. The circuit of overheat or over temperature protection.

Construction: It is mainly composed of three major components: bimetallic strip action mechanism, the shell and the power cord..




Characteristics:


KSD thermal protection appliance inductive temperature sensitive, quick, small volume, easy to install, the advantages of widely used in temperature related instruments, used as the over temperature protection or overheating protection.

Detailed Features

- Operating Temperature: 60°C~150°C
- Tolerance: ±5°C
- Temperature difference between operated and resetable temperature : 15°C~50°C
- Endurance: 10, 000 cycles
- Resistance between contacts < 50mΩ
- Hi-pot test: 1500VAC 0.5mA 1min
- Insulation resistance: >5MΩ

3. AGENCY APPROVALS

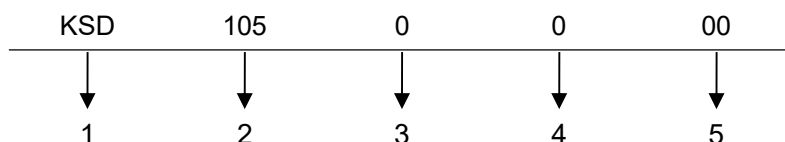
Approval	Certification NO.	Rate Voltage / Ampere
	E215779	115VAC 8A
	CQC14002119169	250VAC 5A DC24V 10A (P)
	CQC14002119582	250VAC 5A DC24V 10A (M)

	R 50289642	250VAC 5A DC24V 10A
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4. PART NUMBERING SYSTEM

4.1 Part Number

Example: KSD1050000



1Product Series.....	KSD
2Operating Temperature.....	105°C (See table 4.2)
3Casing material.....	shell material, Big metal (20X7.4X3.8) (See table 4.2)
4Type of operating.....	0: Open 1: Close
5Supplementary Code.....	00

4.2 Casing Material Code Table

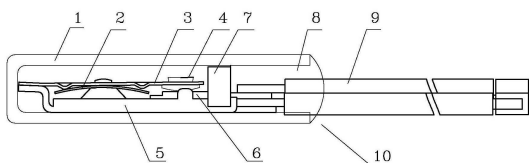
CODE	DESCRIPTION
0	Big metal (20X7.4X3.8)
1	Big plastic (21X7.9X4.2)
2	small metal (16X6.7X3.2)
3	mall plastic (16X7.2X3.8)

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
150	150°C

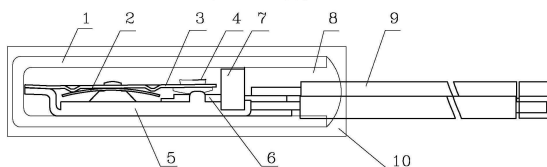
5. STRUCTURE

KSD Series structure(plastic casing)



1. Plastic casing 2. Bi-metal 3. Moving spring 4. Contact
5. Plate 6. Ag-plate
7. Plastic plate 8. AB insulation paste 9.

KSD Series structure(metal casing)



1. Metal casing 2. Bi-metal 3. Moving spring
4. Contact 5. Plate 6. Ag-plate
7. Plastic plate 8. AB insulation paste
9. Wire 10. Insulation casing

Parameter:

1. Operating: 60°C ~ 150°C
 2. Tolerance: ±5°C
 3. Temperature difference between operated and resetable temperature : 15°C ~ 50°C
 4. Shell size:
 - A、L X W X H=20X7.4X3.8(metal normal size)
 - B、L X W X H=21X7.9X4.2(plastic normal size)
 - C、L X W X H=16X6.7X3.2(metal small size)
 - D、L X W X H=16X7.2X3.8(plastic small size)
 5. Shell material: customizable
 6. Wire length and diameter: customizable
 7. Reset reference, customizable
- Dimensions: mm

6. ELECTRICAL CHARACTERISTICS

Rated parameter: AC250V 5A, AC115V 8A, DC24V 10A

7. TEMPERATURE CHARACTERISTIC

TEMPERATURE CHARACTERISTICS

Model	Operating Temperature (°C)	Reset Temperature (°C)	Approval		
			TUV	UL	CQC
			250V	125V	250V
KSD060****	60±5	40±10	●	-	●
KSD065****	65±5	40±10	●	-	●
KSD070****	70±5	45±15	●	●	●
KSD075****	75±5	45±15	●	●	●
KSD080****	80±5	50±15	●	●	●
KSD085****	85±5	55±15	●	●	●
KSD090****	90±5	60±15	●	●	●
KSD095****	95±5	65±15	●	●	●
KSD100****	100±5	70±15	●	●	●
KSD105****	105±5	75±15	●	●	●
KSD110****	110±5	80±15	●	●	●
KSD115****	115±5	85±15	●	●	●
KSD120****	120±5	90±15	●	●	●
KSD125****	125±5	95±15	●	●	●
KSD130****	130±5	100±15	●	●	●
KSD135****	135±5	105±15	●	●	●
KSD140****	140±5	110±15	●	●	●
KSD145****	145±5	115±15	●	●	●
KSD150****	150±5	120±15	●	●	●

Note: Reset Temperature only reference

8. ORDERING INFORMATION

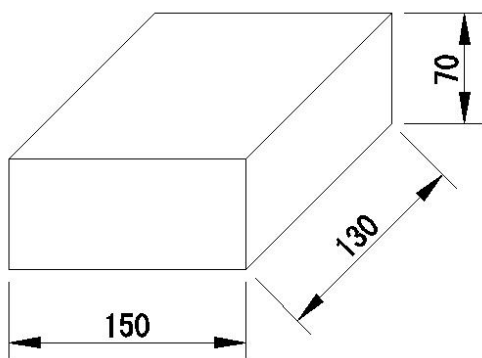
The following information are necessary in order to place your order with us correctly:

Model No	Reset Temperature	Supplementary Code	Quantity
KSD			

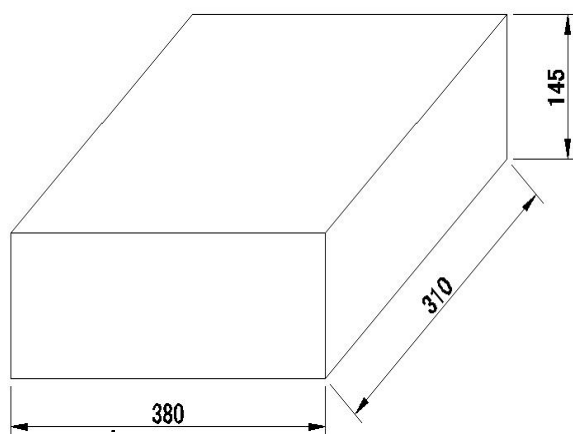
9. PACKING INFORMATION

Packing details

Inner Box



Master Carton



Model	Box/pcs	Master Carton /pcs	Carton Weight (gross)
KSD thermal protection	200pcs	2000pcs	5.5KG

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10. 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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Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
R 50289642

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0001

Ihr Zeichen *Client Reference*

Unser Zeichen *Our Reference*
05-RW- 16056841 001

Ausstellungsdatum
31.07.2014

Date of Issue
(day/mo/yr)

Genehmigungsinhaber *License Holder*

Dongguan Better Electronics
Technology Co., Ltd.
Room 601 of 16 Block, Xinzhuoyuan
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Dongguan City, Guangdong Province
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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*



Type Approved
Safety
Regular Production
Surveillance

www.tuv.com
ID 2000000000

Geprüft nach *Tested acc. to*

EN 60730-1:2000+A1+A2+A12+A13+A14+A16
EN 60730-2-2:2002+A1+A11

Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

Motor Protection Switch (Thermal Motor Protector)

Type Designation : KSD 7
Trademark : Better (logo)
Rated Voltage : 1) AC 250V; 50Hz or 2) DC 24V
Rated Current : 1) 5A or 2) 10A
Construction : Incorporated control
for class I or II equipment
Switching Temperature : 60°C - 150°C (Metal Shell)
60°C - 120°C (Plastic Shell)
Degree of Protection : IP00
Degree of Pollution : 2
Action Type : 3.C
Type of Disconnection : Micro-interruption
Glow Wire Temperature : 850°C

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 of the product with the standards and testing requirements as indicated above. Any additional requirements in countries where the product is going to be marketed have to be considered additionally. The manufacturing of the certified product is subject to surveillance.

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg
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

Zertifizierungsstelle



Dipl.-Ing. (FH) T. Zimmer

Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
R 50289642

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0002

Ihr Zeichen <i>Client Reference</i>	Unser Zeichen <i>Our Reference</i>	Ausstellungsdatum	<i>Date of Issue</i> (day/mo/yr)
	05-YFC- 16056841 002	22.07.2016	

Genehmigungsinhaber *License Holder*
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Hightech Ind. Development Zone
Dongguan City, Guangdong Province
P.R. China

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Nanmen Village, Hengkeng
Administrative Zone, Liaobu Town
Dongguan, Guangdong
P.R. China

Prüfzeichen *Test Mark*



Geprüft nach *Tested acc. to*

EN 60730-1:2000+A1+A2+A12+A13+A14+A16
EN 60730-2-2:2002+A1+A11

Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

Motor Protection Switch (Thermal Motor Protector)

as page 0001

Change

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

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.

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.
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产品认证证书

证书编号: CQC14002119582

申请人名称及地址

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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

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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

电动机热保护器

KSD系列 250VAC 5A 24VDC 10A 动作温度范围: 60°C~150°C 3.C型 金属外壳 (系列命名方式见附件)

产品标准和技术要求

GB14536.1-2008, GB14536.3-2008

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CQC11-462128-2014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 0086876



PRODUCT CERTIFICATE

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Zone, Dongguan City

NAME AND ADDRESS OF THE FACTORY

Dongguan Better Electronics Technology Co., Ltd. (V003591)
NanMen Village, HengKeng Administrative Zone LiaoBu Town, Dongguan

NAME, MODEL AND SPECIFICATION

THERMAL PROTECTOR

KSD series 250VAC 5A 24VDC 10A operation temperature range: 60°C~150°C, Type 3.C, metal shell

THE STANDARDS AND TECHNICAL REQUIREMENTS FOR THE PRODUCTS

GB14536.1-2008, GB14536.3-2008

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
CQC11-462128-2014.

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

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产品认证证书

证书编号: CQC14002119169

申请人名称及地址

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生产企业名称及地址

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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

电动机热保护器

KSD系列 250VAC 5A 24VDC 10A 动作温度范围: 60℃~120℃ 3.C型 塑料外壳 (系列命名方式见附件)

产品标准和技术要求

GB14536.1-2008, GB14536.3-2008

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

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

C 0086877



PRODUCT CERTIFICATE

No.: CQC14002119169

NAME AND ADDRESS OF THE APPLICANT

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Room 601 of 16 Block, Xinzhu Yuan, No 4, Xinzhu Road, Songshanlake Hightech Industrial Development
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NAME AND ADDRESS OF THE FACTORY

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NanMen Village, HengKeng Administrative Zone LiaoBu Town, Dongguan

NAME, MODEL AND SPECIFICATION

THERMAL PROTECTOR

KSD series 250VAC 5A 24VDC 10A action Temperature Range: 60°C~120°C Type 3.C

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President:


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CHINA QUALITY CERTIFICATION CENTRE

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