

# 厂家直销HKW电源变压器可恢复温度保险丝KSD9700恒温开关质量保证

产品名称	厂家直销HKW电源变压器可恢复温度保险丝KSD9700恒温开关质量保证
公司名称	惠州市华恺威电子科技有限公司
价格	.46/个
规格参数	额定电流电压:5A250V 寿命:10000 型号:HKW KSD9700
公司地址	博罗县石湾镇明月二路26号
联系电话	15015396189

## 产品详情

HKW9700-H-G系列热保护器

技术规格书

(Technical Specification)

文件编号：HKW/QS-WKQ.03

Part Number产品型号 HKW9700-F-H 50~150 华恺威专业各类热保护器温度开关与您携手共创美好未来  
！更多产品请访问官网：[www.hkw9700.com](http://www.hkw9700.com)

地址：惠州市博罗县石湾镇明月二路26号3楼 技术咨询李小姐：15015396189电话：0752-3095516邮箱：sales1@hkw9700.com

编制

审核

批准

hanfeng

xielihua

lihai

2012-6

2012-6

2012-7

产品用途 HKW9700-F-H型热保护器具有体积小、外壳绝缘、动作灵敏、寿命长等特点，适用于新能源电池，电机、电源，光灯镇流器、变压器、汽车马达、集成电路及一般电气设备的过热过流双重保护作用。

HKW9700-F-H thermal protector has small dimension; insulation shell;

sensitive and long life time. Its widely use in new energy battery;

motor; power; ballast; transformer;integrated circuit and

electrical equipment ' s overheat and overload double protection.

## 2 结构特点Structural features

HKW9700-F-H系列热保护器是采用一定几何形状的双金属片，无需辅助机构，仅靠双金属片的自身感温和电流热效应，使双金属元件的状态发生快速变化，直接带动触点实现自动切断和接通电路，起到过热、过载保护作用。

HKW9700-F-G thermal protector use unique bimetal and don ' t need more auxiliary parts. Using bimetal Self-sensing temperature and Current thermal effect to change the bimetal ' s shape to control the electric circuit cut off or contact on. Overheat and overload double protection.

## 3 安规认证 (certification) : CQC18002202372 CQC180022022369

UL E502318

KC ZU02105-19001

TUV B1039300001

ROHS AGC01409190101101-001 REACH AGC01409190101101-003

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#### 4 产品外形dimension

Plastic shell塑壳：20\*8\*4MM; 铁壳：20\*7.8\*3.8

Contact type动作分为：常开/常闭 Normal closed or normal opened

热保护器的外壳 可以配安装支架。 Optional mounting bracket

#### 5 产品性能performance

5.1额定电流rated power(COS =0.7)

DC 12V-12A 24V-8A、 AC 250V-5A 125V 7A 可订做10A

5.2断开温度action temp：30 ~ 150 ；复位温度reset temp 20 ~ 110 。

5.3抗拉力试验:产品的引线端应能承受大于或等于20N拉力,导线无断裂、滑出。

Tensile test: 20N , No breaks or slips out of the wire

5.4绝缘电压:Insulation voltage

a.产品在断开时的引线之间应能承受AC660V,历时1min而无击穿闪络现象;

In the power off state the insulation voltage between two wires should accept AC660V one minute without breakdown and flashover.

b.产品引线与绝缘外壳之间能承受AC1800V,历时1s而无击穿闪络现象;

The insulation voltage between the wires and shell should accept AC1800V 1 second without breakdown and flashover.

5.5绝缘电阻:在正常条件下,引线与绝缘外壳之间的绝缘电阻在100M 以上。

Insulation resistance: 100M

5.6接触电阻:产品的接触电阻应不大于50m 。

Contact resistance : 50m

5.7耐高温试验:产品置于额定动作温度50 的空气环境中保持96h。

High temperature test : The product is kept in an air environment over 50 ° C for 96 h

5.8耐低温试验:产品置于-40 空气环境中保持96h。

Low temperature test : The product is kept in an air environment of -40 ° C for 96 h

5.9抗振试验:热保护器应能承受振幅1.5mm,频率变化10 ~ 55Hz , 扫描变化周期3 ~ 5次/min ,

振动方向X、Y、Z，每个方向各连续振动2h。

Anti-vibration test : The thermal protector should be able to withstand an amplitude of 1.5mm, a frequency change of 10 to 55Hz, and a scan change period of 3 to 5 times/min.

The vibration directions X, Y, and Z are continuously vibrated for 2 h in each direction.

5.10跌落试验:产品自0.7m高度自由落下1次。

Drop test : The product is free to fall from a height of 0.7m one time.

5.11抗压试验:产品应能承受100N静压力1min。

Compression test:The product should be able to withstand 100N static pressure for 1min

5.7,5.8,5.9,5.10,5.11项试验后应满足下列条件:

The additional condition after the 5.7---5.11 test.

a. 断开温度变化应在初期值的 $\pm 7$  以内;

The tolerance of off temp within  $\pm 7$

b.接触电阻应在100m $\Omega$  以下;

Contact resistance  $\leq 100m\Omega$

c.外形应无明显变形;

The shape should be free of obvious deformation

d.导线无开裂损伤。

No cracking damage to the wire

6 寿命 life time

产品在额定电压、电流、功率因数为0.7的条件下,外加热源使其动作4000次,应满足下面条件:

The product is rated at voltage, current and power factor of 0.7.after 4000 cycles action

a断开温度变化应在初始值的 $\pm 5$  以内; The tolerance of off temp within  $\pm 5$  .

b接触电阻应在50m $\Omega$  以下; contact resistance  $\leq 50m\Omega$  .

c继续试验至6000次后能动作;cycle life time over 6000 times.

7 其它事项:matters need attention

7.1断开温度检测的升温速率应控制为1 $^{\circ}C$ /1min;

7.1 The temperature rise rate for disconnection temperature detection should be controlled to 1 ° C / 1 min

7.2 使用过程中产品不能承受强烈冲击力及压迫力;

7.2 The product cannot withstand strong impact and pressure during use.

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8 热保护器动作复位温度参考表 action / reset temperature reference table

序号 item

断开温度 off temp

闭合温度

Reset temp

序号 item

断开温度

off temp

30

30 ± 3

20

95

95 ± 5

70 ± 15

35

35 ± 3.5

25

100

100 ± 5

40

40 ± 4

30

105

$105 \pm 5$

$75 \pm 15$

45

$45 \pm 4.5$

33

110

$110 \pm 5$

50

$50 \pm 5$

35

115

$115 \pm 5$

$80 \pm 15$

55

$55 \pm 5$

$42 \pm 6$

120

$120 \pm 5$

$85 \pm 15$

60

$60 \pm 5$

$45 \pm 8$

125

$125 \pm 5$

65

65 ± 5

48 ± 10

130

130 ± 5

90 ± 15

70

70 ± 5

50 ± 12

135

135 ± 5

95 ± 15

75

75 ± 5

53 ± 14

140

140 ± 5

100 ± 15

80

80 ± 5

55 ± 15

145

145 ± 5

85

85 ± 5

60 ± 15

150

150 ± 5

105 ± 15

90

90 ± 5

65 ± 15

155

155 ± 5

110 ± 15

9 可选配安装支架：Optional mounting bracket

10 本标准未涉及事项或客户有其它要求另行订立。

A supplementary agreement is accept for more matters and customer ' s requirements.