

CUSTOMER : ELECTRONICS SOURCE
PRODUCT : RELAY
ORDER NO. :
CUSTOMER'S P/N :
HKE'S P/N : HRS4H-S-DC5V-C (S70)
DATE : 2026-6-12

CUSTOMER'S APPROVAL REQUESTED

Checked by : _____	Date : _____
Approved by : _____	Date : _____

Please return this copy as a certification of your approval

SALES HQ HKE Electronics Pte Ltd. 20 GUL LANE, XPAC TECHNOLOGIES BUILDING, SINGAPORE 629415		FACTORY Zhejiang HKE Relays Co Ltd Jiacun Ningbo Zhejiang China 315135 Tel : +86-574-8834 5678 Fax : +86-574-8847 3964 Website : www.hke.cn	
DISTRIBUTOR			
MADE	CHECKED	APPROVED	
林育宏	王力	王力	

SPECIFICATION

Type: HRS4H-S-DC5V © Relay

1. COIL DATA

1.1	Nominal Voltage	5VDC.
1.2	Coil Resistance	$70 \times (1 \pm 10\%) \Omega$ at 23°C.
1.3	Nominal Current	$72 \times (1 \pm 10\%) \text{mA}$ at 23°C.
1.4	Operating Voltage	3.5VDC Max.
1.5	Release Voltage	0.5VDC Min.
1.6	Maximum Coil Voltage	6.5VDC(130% of Nominal Voltage)
1.7	Nominal Operating Power	360mW

2. CONTACT DATA

2.1	Contact form	1 Form C - Changeover
2.2	Contact material	AgSnO ₂ In/Cu
2.3	Contact rating	Resistive: NO: 10A 250VAC / 24VDC NC: 6A 250VAC / 24VDC
2.4	Max. switching voltage	28VDC / 250VAC
2.5	Max. switching current	15A
2.6	Max. switching power	2500VA ,280W
2.7	Min. switching current	100mA 5VDC
2.8	Contact resistance (Initial)	Max.100m Ω at 6VDC 1A
2.9	Electrical Durability	50,000 operations at rate load (1800 ops/hour).After test, the dielectric strength shall be not less than 75% of initial value .
2.10	Mechanical Durability	10,000,000 operations at no load (18,000 ops/h)

3. GENERAL DATA

3.1	Insulation Resistance	Min.1000M Ω at 500VDC
3.2	Dielectric Strength(Leakage current: 1mA)	
	(1) Between contacts	750VAC, 1 min , 50/60Hz
	(2) Between Coil and Contact	1,500VAC, 1 min , 50/60Hz
3.3	Operate Time	Max. 10 ms.
3.4	Release Time	Max. 5 ms.
3.5	Operating temperature	-40 to +85°C
3.6	Storage conditions	
	(1) Storage Temperature	-40 to +85°C
	(2) Environments	Store in locations where the product is not exposed to corrosive gas such as hydrogen sulfide gas or salty air. Store in locations where the product is not exposed to the direct ray of the sun and rain, snow.

- 3.7 Temperature Rise
Coil 70k max. by resistance method when 10A current is applied to contact and 110% of rated voltage to relay coil at 85°C.
- 3.8 Terminal Strength
Tensile and pushing To be free from any abnormality in both the construction and characteristics after pushing and pulling the relay terminal 2mm from the body with below force for 10sec.
The tensile force: 10N;
The pushing force: 2N.
- 3.9 Solderability Solder should be finished 95% on dipped surface. Soldering bath of melted solder at $260 \pm 5^\circ\text{C}$ for 5 ± 1 sec.
- 3.10 Resistance to soldering Heat To be free from any abnormality in both the construction and characteristics after the terminals are dipped into the soldering bath $260 \pm 5^\circ\text{C}$ for 10 ± 1 seconds and then recover the relay in a room temperature and humidity for 2 hours.
However, in the case of hand solder, it must be soldered within 3.5 ± 0.5 seconds at $350 \pm 10^\circ\text{C}$.
- 3.11 Cold To be free from any abnormality in both the construction and characteristics after the relay is left in a temperature of $-40 \pm 3^\circ\text{C}$ for 2 hours and then recover it in room temperature and humidity for 1~2h.
- 3.12 Dry Heat To be free from any abnormality in both the construction and characteristics after the relay is left in a temperature of $85 \pm 2^\circ\text{C}$ for 16 hours and then recover it in room temperature and humidity for 1~2h.
- 3.13 Moisture Resistance To be free from any abnormality in both the construction and characteristics after the relay is left in a humidity of 90-95% RH , a temperature of $40 \pm 2^\circ\text{C}$ for 48 hours and then recover it in room temperature and humidity for 1~2h. However, the insulation resistance must be 100M ohms Min.
- 3.14 Vibration
(1) Mechanical durability To be free from any abnormality in both the construction and characteristics after the relay is subjected to double amplitude 1.5mm, frequency of 10~55~10Hz in each direction for 2hs, total 6 hours.

(2) Malfunction durability (energized) The open time for NO contact and the closed time for NC contact must be less than 10 μs when the relay is subjected to a double amplitude 1.5mm, frequency of 10~55~10Hz in each direction for 5 min, total 30 min.

3.15 Shock

(1) Mechanical durability

To be free from any abnormality in both the construction and characteristics after the relay is subjected to a shock of 1,000m/s², 6ms in each direction for 3 times, total 18 shocks.

(2) Malfunction durability (energized)

The open time for NO contact and the closed time for NC contact must be less than 10µs when the relay is subjected to a shock of 100m/s², 11ms in each direction for 3 times, total 18 shocks.

4 Nomenclature:

HRS4 H - S - DC5V Ⓢ
 a b c d e

a: Relay Series.

b: Power Consumption
 H stands for 360mW of power

c: Enclosure
 S: Plastic Sealed Type

d: Coil Voltage DC5V

e: Contact Configuration

Ⓢ stands for Change-over contact form

5 Marking

Marking Drawing No.

Y-HRS4-S70

Case Color

Black

6 Dimensions, circuits

Outline

Refer to drawing No. HKE4.520. 501F

7 Safety Standard Approval

UL NO.E164730
 TUV NO. 50116136
 CQC08002027614

8 Attentions

To maintain the performances of relays, please do not make the relay drop or be shocked strongly. Suggest that the relays dropped to be scrapped.

Y-HRS4-S70

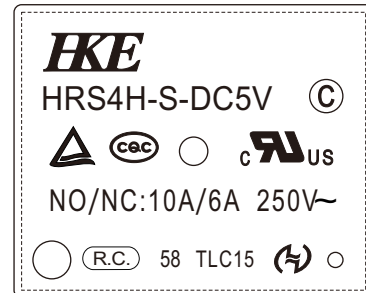
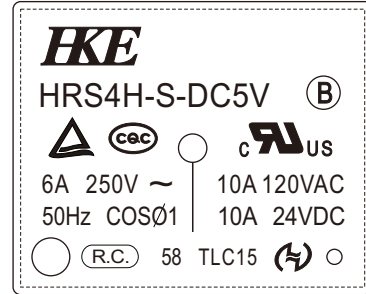
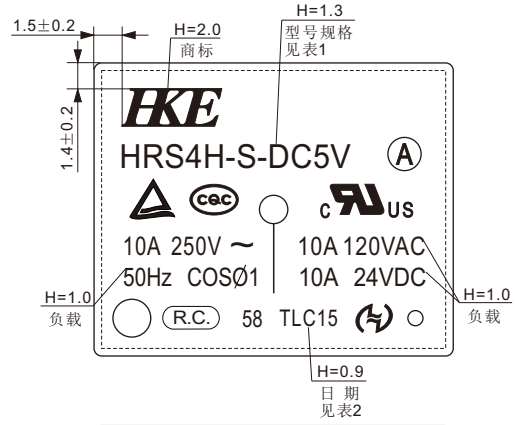
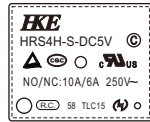
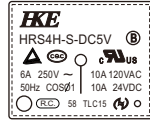
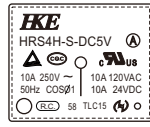


图1 1:1

图2 2.5:1

表 1

HRS4	H	S	DC5V
型号	线圈功率 无: 0.45W H: 0.36W	塑封型	线圈电压 DC3V, DC5VDC, DC6V, DC9V, DC12V, DC24V, DC48V

表 2

TL	C	1	5
年份: Z-0, O-1, T-2, S-3, F-4, W-5 L-6, Q-7, E-8 N-9.	月份 A:1月 E:5月 I:9月 B:2月 F:6月 J:10月 C:3月 G:7月 K:11月 D:4月 H:8月 L:12月	星期 1:第1星期 2:第2星期 5:第5星期	生产编码 5: 生产五部

技术要求:

- “58”代表制造说明书H-HRS4-2958(低成本);
- 单线印字, 线条、字迹应清晰、美观;

产品编号

HRS4

旧底图总号

标记 数量 更改单号 签名 日期

底图总号

设计
审核
工艺

日期 签名

标准化
批准

HRS4外壳标志图

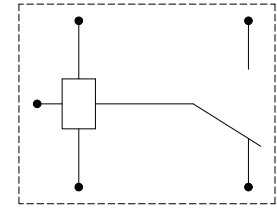
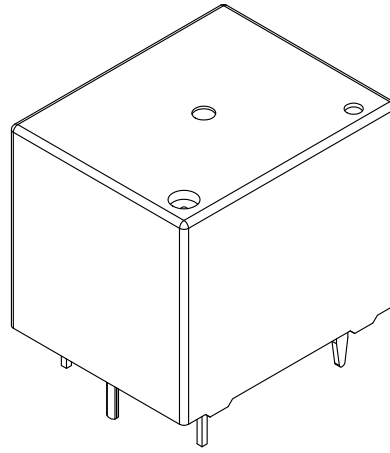
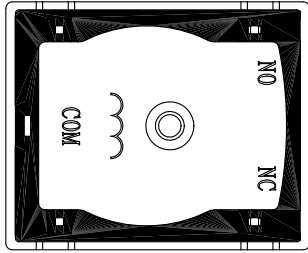
HKE

浙江汇港电器有限公司

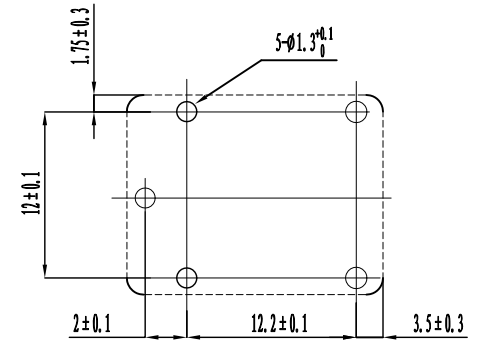
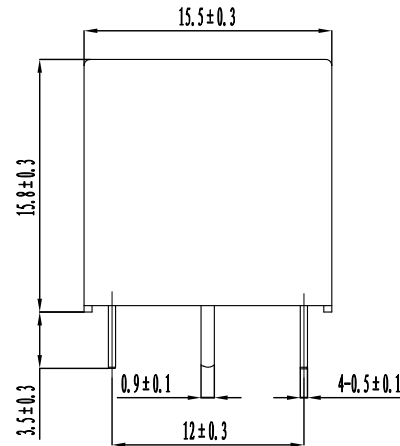
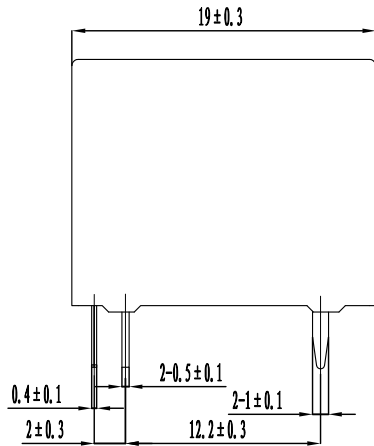
阶段 标记 质量 比例

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Y-HRS4-S70

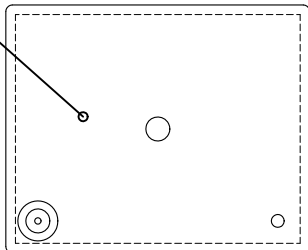


接线图 (底视图)



安装孔尺寸图 (底视图)

印字区



标记	数量	更改单号	签名	日期
设计				
审核				
工艺				
标准化				
批准				

HRS4-C型外形图(激光印字)

HKE
浙江汇港电器有限公司

视图标准	质量	比例
		3:1
共 1 页	第 1 页	
HKE4.520.501F		

产品编号	HRS4
图底图总号	
底图总号	
日期	签名



QUALITY MANAGEMENT SYSTEM CERTIFICATE

Certificate No. 00120Q33704R7M/3302

We hereby certify that

Zhejiang HKE Relay Co., Ltd.

Unified Social Credit Code: 913302127369759197

No.162 of Jiacun (Jiashan), Yunlong Town, Yinzhou District, Ningbo City, Zhejiang Province, China

by reason of its
Quality Management System
has been awarded this certificate for compliance with the standard
GB/T 19001-2016 / ISO 9001:2015
The Quality Management System Applies in the following area:
The Design, Assembly, Production of Electromagnetic Relay

Certified since: August 15, 2008 Valid from: June 10, 2020 Valid until: July 2, 2023

After a surveillance cycle, the certificate is valid only when used together with an Acceptance Notice of Surveillance Audit issued by CQC.

Please access www.cqc.com.cn for checking validity of the certificate.

This certificate and its relevant information can query in the website of Certification and Accreditation Administration of the People's Republic of China (www.cnca.gov.cn).




Signed by: Lu Mei



CHINA QUALITY CERTIFICATION CENTRE

Section 9, No.188, Nansihuan(the South Fourth Ring Road) Xilu(West Road), Beijing 100070,China

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



ENVIRONMENTAL MANAGEMENT SYSTEM CERTIFICATE

Certificate No. 00126E301990R801

We hereby certify that

Zhejiang HKE Relay Co., Ltd.

Business Registration Number: 913302127369759197

Registered Address: No. 162 Jiacun (Jiashan), Yunlong Town, Yinzhou District, Ningbo City, Zhejiang Province, China

by reason of its

Environmental Management System

has been awarded this certificate for compliance with the standard

ISO 14001:2015

The Environmental Management System Applies in the following area:

The Design, Production of Electromagnetic Relay and Related Management Activities

Operational Address: No. 162 Jiacun (Jiashan), Yunlong Town, Yinzhou District, Ningbo City, Zhejiang Province, China

Certified since: December 3, 2003

Issue Date of This Cycle: June 9, 2026

Valid until: June 8, 2029

Standard: ISO 14001:2015 Environmental management systems - Requirements with guidance for use

Statements:

The certified client shall undergo regular surveillance audits. After passing each surveillance audit, CQC will issue an Approval Notification of Surveillance Audit.

This certificate shall only be valid when used in conjunction with such notification.

This certificate information can be verified on the website of National Certification and Accreditation Administration of the People's Republic of China (www.cnca.gov.cn) or CQC website (www.cqc.com.cn).

Area code: 3302



刘江

Signed by: Liu Jiang



中国质量认证中心

CHINA QUALITY CERTIFICATION CENTRE

Building 5, Section 9, No. 188, Nansihuan Xilu, Fengtai District, Beijing 100070 P. R. China

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

File E164730
Project 98SC07244

Issued: January 28, 1999
Revised: July 28, 2005

REPORT

ON

COMPONENT - INDUSTRIAL CONTROL SWITCHES

Zhejiang Hke Relay Co Ltd.
Ningbo Zhejiang, China

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DESCRIPTION

PRODUCT COVERED:

USR, CNR Component - Switches, Industrial Control, Model HRM may be followed by 3, may be followed by H or L, may be followed by S, may be followed by DC3V-DC48V, may be followed by T.

USR, CNR Component - Switches, Industrial Control, Model HRM4 may be followed by H, may be followed by S, may be followed by DC3V-DC48V, may be followed by SP.

*USR, CNR Component - Switches, Model HRS4, may be followed by T **or F**, may be followed by H, followed by S, followed by DC, followed by 3V through 60V, may be followed by A.

USR, CNR Component - Switches, Industrial Control, Model HRS3T, may be followed by N, may be followed by H, followed by S, followed by DC, followed by 3V, 5V, 6V, 9V, 12V or 24V, followed by A or C.

GENERAL:

The devices are open type magnetically operated, single-pole, single-throw relays, with normally open contacts and double-pole, double-throw relays with normally open and normally closed contacts. Model HRM4 is a double-pole, single throw relay. **All models above are suitable for use in industry application except models HRS4 and HRS4T series are only for non-industry use.**

RATINGS:

Coil Model	Current (A)	Voltage (V)	Form contact	Use	Endurance Cycle	Voltage (V dc)
HRM	10	250 V ac	1FA/B	General	6,000	3-48
	TV-5	250 V ac	1FA/B	TV	25,000	3-48
HRM-T	16	250 V ac	1FA	General	30,000	3-48
HRM3H	10	250 V ac	1FA	General	6,000	3-48
	10	30 V dc	1FA	Resistive	6,000	3-48
HRM3L	TV-8	125 V ac	1FA	TV	25,000	3-48
	5	250 V ac	1FA	General	6,000	3-48
	5	30 V dc	1FA	Resistive	6,000	3-48
HRM4	TV-5	125 V ac	1FA	TV	25,000	3-48
	5	250 V ac	2FA	General	6,000	3-48
	5	30 V dc	2FA	Resistive	6,000	3-48
HRM4SP	TV-5	125 V ac	2FA	TV	25,000	
	3	125 V ac	2FA	Resistive	6,000	3-48
HRS3T-A	5	250 V ac	1FA	General	6,000	3-24
HRS3T-C	5	250 V ac	1FC	General	6,000	3-24
	3	250 V ac	1FC	General	6,000	3-24
HRS3TH-A	5	250 V ac	1FA	General	6,000	3-24
HRS3TH-C	5	250 V ac	1FC	General	6,000	3-24
	3	250 V ac	1FC	General	6,000	3-24
	3	277 V ac	1FA/B	General	30,000	3-24
HRS3TN	TV-5	125	1FA	TV	25,000	3-24
	5	277 V ac	1FA/B	General	30,000	3-24
	10	277 V ac	1FA	General	30,000	3-24
	10	28 V dc	1FA	General	50,000	3-24

*

Coil Model	Current (A)	Voltage (V)	Form contact	Use	Endurance Cycle	Voltage (V dc)
HRS4F	10	250 V ac	1FA/B/C	General	10,000	3-60
	10	30 V dc	1FA/B/C	General	10,000	3-60
HRS4FH	10	250 V ac	1FA/B/C	General	10,000	3-60
	10	30 V dc	1FA/B/C	General	10,000	3-60

Note: 1FA/B - 1FormA or 1FormB

2FA - 2FormA

1FC - 1FormC

Temperature ratings: HRS3T, HRS3TH, HRS3TN, HRS3TNH, HRS4F and HRS4FH are rated at elevated ambient temperature of 85°C.

Model No.	Contact material	Coil Voltage	Contact Rating	Load Type	Endurance Cycle	Max Surrounding Air Temperature, °C
HRS4/HRS4H HRS4T/HRS4TH	AgSnO2	3-48V dc	Form C (NO) /Form A 10A 250VAC	GP	25,000	85°C
	AgSnO2		Form C (NC) /Form B 10A 120VAC/250VAC	GP	25,000	85°C
HRS4/HRS4H HRS4T/HRS4TH	AgSnO2	3-48V dc	Form C (NO) /Form A 10A 24VDC/28VDC	GP	10,000	85°C
	AgSnO2		Form C (NC) /Form B 10A 24VDC/28VDC	GP	10,000	85°C
HRS4 HRS4H	AgSnO2	3-48V dc	Form C (NO) /Form A 10A 120VAC	GP	10,000	105°C
	AgSnO2		Form C NO/NC:10A/6A 250VAC	GP	25,000	85°C
	AgSnO2In2O3		Form C (NO) /Form A TV-5 125VAC	TV	25,000	40°C
HRS4-A HRS4H-A	AgSnO2	3-48V dc	Form A 15A 125VAC	Resistive	100,000	65°C
HRS4H-A	AgSnO2	3-48V dc	Form A 16A 125VAC	Resistive	50,000	105°C

NOMENCLATURE II:

The significance of the alphanumeric marking system is explained as follows:

*	HRS4	T	H	-	S	DC12V	-	A
	I	II	III		IV	V		VI

*

I. Basic Designation: **HRS4**

*

II. Dust Cover Dimension **and insulation**

T - High Cover, Overall **19.9** by **16.2** by 20.2 mm **and low insulation 1500 VAC/min**

F - Low Cover, Overall 18.9 by 15.4 by 15.4 mm and high insulation 2500 VAC/min

Blank - Low Cover, Overall **18.9** by 15.4 by 15.4 mm **and low insulation 1500 VAC/min**

*III. Coil Power

Blank - 0.45 W (Exclusive of rating 16A)

H - 0.36 W

IV. Sealing Method

S - Sealed

*

V. Coil Voltage

DC3V through DC48V for HRS4 and HRS4T Models

DC3V through DC60V for HRS4F and HRS4FH Model

*VI. Other

*

Blank: Rating 10A

A: Rating 15A/65°C, or 16A/105°C, Contact form is 1FA only.

ENGINEERING CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE'S USE):

Use - For use only in (or with) complete equipment where the acceptability of the combination is determined by Underwriters Laboratories Inc.

* This component has been judged on the basis of the required spacings in the Standard for Industrial Control Equipment, UL 508, **18th** Edition, and CAN/CSA-C22.2, No. 14-**18** which would cover the component itself if submitted for unrestricted Listing. **Except the models HRS4 are inapplicable and details as below.**

Models HRS4 outside space: between coil terminal and contact terminal clearance 5.5 mm, creepage 6.1 mm; inside space: between coil and contact clearance 2.6 mm, creepage 2.6 mm.

Conditions of Acceptability - When installed in the end-product, consideration shall be given to the following:

1. These devices should be used within their Recognized ratings as specified above.
2. The pin terminals are suitable for factory wiring only.
3. Relay series HRM3H and HRM3L are suitable for use in a maximum ambient of 65°C.

*

5. Relay Series HRS3T was evaluated to the electrical ratings listed in this report.

CONSTRUCTION DETAILS:

The product shall be constructed in accordance with the following description.

Spacings - Spacings of no less than 1.6 mm through-air and 3.2 mm measured over-surface of insulating material (including printed wiring boards), are maintained between any uninsulated live part and an uninsulated live part of opposite polarity, uninsulated grounded part other than the enclosure, or exposed metal part.

Corrosion Protection - All parts are of corrosion resistant material or are plated or painted.

Marking - Recognized Company names and catalog number. Electrical ratings optional. Refer to nameplate marking in Section General.

*

Model HRS4(H) series relays is marked "A" on the relay when employing the 1FA contact form or "C" on the relay when employing the 1FC contact form or "B" on the relay when employing the 1FB contact form.

Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
R 50116136

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0001

Ihr Zeichen <i>Client Reference</i>	Unser Zeichen <i>Our Reference</i>	Ausstellungsdatum	<i>Date of Issue</i> (day/mo/yr)
L.Y.H.	01-ZJ- 15024682 001	15.10.2008	

Genehmigungsinhaber *License Holder*
Zhejiang HKE Relay Co., Ltd.
28 Jiacun Industry Area
Ningbo, Zhejiang 315135
P.R. China

Fertigungsstätte *Manufacturing Plant*
Zhejiang HKE Relay Co., Ltd.
28 Jiacun Industry Area
Ningbo, Zhejiang 315135
P.R. China

Prüfzeichen *Test Mark*

Geprüft nach *Tested acc. to*
EN 61810-1:2004



Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

Relais (Electromechanical Elementary Relays)

Type Designation	: HRS4x-S-y	5
	x,y = (See Appendix 1)	2
Rated Coil Voltage	: DC 3V; 5V; 6V; 9V; 12V; 24V or 48V	
Rated Coil Power	: 0,45W or 0,36W	
Ambient Temperature	: -30°C to +105°C	
Contact Loads	: Make contact 10A 250VAC Break contact 6A 250VAC	
Electrical Endurance	: 50 000	
Mechanical Endurance	: 500 000	
Type of Interruption	: Micro-Disconnection	
Insulation System	between Coil and Contact: Basic Insulation	

Continued on page 0002

ANLAGE (Appendix): 1

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.
Das Produkt entspricht den o.g. Anforderungen, die Herstellung wird überwacht.
This certificate is based on our Testing and Certification Regulation. The product fulfills above mentioned requirements, the production is subject to surveillance.



Zertifizierungsstelle

Dipl.-Ing. G. Reimann

TÜV Rheinland Product Safety GmbH, Am Grauen Stein, D-51105 Köln
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

Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
R 50116136

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0002

Ihr Zeichen *Client Reference*
L.Y.H.

Unser Zeichen *Our Reference*
01-ZJ- 15024682 001

Ausstellungsdatum
15.10.2008

Date of Issue
(day/mo/yr)

Genehmigungsinhaber *License Holder*
Zhejiang HKE Relay Co., Ltd.
28 Jiacun Industry Area
Ningbo, Zhejiang 315135
P.R. China

Fertigungsstätte *Manufacturing Plant*
Zhejiang HKE Relay Co., Ltd.
28 Jiacun Industry Area
Ningbo, Zhejiang 315135
P.R. China

Prüfzeichen *Test Mark*



Geprüft nach *Tested acc. to*
EN 61810-1:2004

Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

Relais (Electromechanical Elementary Relays)

Continuation from page 0001

Endurance test in accordance with clause 17 of IEC 60730-1:

Contact Form	: Make contact	Break contact
Rated Voltage	: 250VAC	250VAC
Rated Current	: 10 (2)A	6 (1)A
Number of Automatic Cycles:	50 000	50 000

The labelling requirements acc. to EU Directive 2001/95
have to be observed for distribution within the EEA.

ANLAGE (Appendix): 1

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.
Das Produkt entspricht den o.g. Anforderungen, die Herstellung wird überwacht.
This certificate is based on our Testing and Certification Regulation. The product
fulfills above mentioned requirements, the production is subject to surveillance.



Zertifizierungsstelle

Dipl.-Ing. G. Reimann

TÜV Rheinland Product Safety GmbH, Am Grauen Stein, D-51105 Köln
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

Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
R 50116136

Blatt *Page*
0003

Ihr Zeichen *Client Reference*
L.Y.H.

Unser Zeichen *Our Reference*
01-ZJ- 15024682 001

Ausstellungsdatum
15.10.2008

Date of Issue
(day/mo/yr)

Genehmigungsinhaber *License Holder*
Zhejiang HKE Relay Co., Ltd.
28 Jiacun Industry Area
Ningbo, Zhejiang 315135
P.R. China

Fertigungsstätte *Manufacturing Plant*
Zhejiang HKE Relay Co., Ltd.
28 Jiacun Industry Area
Ningbo, Zhejiang 315135
P.R. China

Prüfzeichen *Test Mark*

Geprüft nach *Tested acc. to*
EN 61810-1:2004



Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

Relais (Electromechanical Elementary Relays)
as page 0001

Addition

Type Designation	: HRS4Tx-S-y	2
	x,y = (See Appendix 1.1)	2
Ambient Temperature	: -30°C to +85°C	
Contact Loads	: 10A 250VAC	
	10A 24VDC	
Electrical Endurance	: 10 000	
Mechanical Endurance	: 10 000 000	

Endurance test in accordance with clause 17 of IEC 60730-1:
Rated Voltage : 250VAC
Rated Current : 10(2)A
Number of Automatic Cycles: 10 000

ANLAGE (Appendix): 1.1

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.
Das Produkt entspricht den o.g. Anforderungen, die Herstellung wird überwacht.
This certificate is based on our Testing and Certification Regulation. The product fulfills above mentioned requirements, the production is subject to surveillance.



4

Zertifizierungsstelle

TÜV Rheinland Product Safety GmbH, Am Grauen Stein, D-51105 Köln
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

Dipl.-Ing. G. Reimann

Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
R 50116136

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0004

Ihr Zeichen *Client Reference*
L.Y.H.

Unser Zeichen *Our Reference*
01-MN- 15024682 004

Ausstellungsdatum
15.07.2011

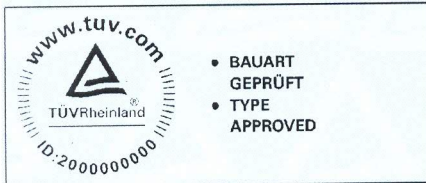
Date of Issue
(day/mo/yr)

Genehmigungsinhaber *License Holder*
Zhejiang HKE Relay Co., Ltd.
28 Jiacun Industry Area
Ningbo, Zhejiang 315135
P.R. China

Fertigungsstätte *Manufacturing Plant*
Zhejiang HKE Relay Co., Ltd.
28 Jiacun Industry Area
Ningbo, Zhejiang 315135
P.R. China

Prüfzeichen *Test Mark*

Geprüft nach *Tested acc. to*
EN 61810-1:2008



Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

Relais (Electromechanical Elementary Relays)

as page 0001

Change

Test Requirement: See above

Remark:

Appendices 1 and 1.1 issued on 24.04.2009 is replaced by
appendices 1 and 1.1 issued on 14.07.2011 respectively.



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.

Zertifizierungsstelle

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg
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Fax: (+49/221)8 06 - 39 35 http://www.tuv.com/safety

Dipl.-Ing. F. He

Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
R 50116136

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0005

<i>Ihr Zeichen Client Reference</i>	<i>Unser Zeichen Our Reference</i>	<i>Ausstellungsdatum</i>	<i>Date of Issue</i> (day/mo/yr)
L.Y.H.	01-WLP- 15024682 005	20.10.2015	

Genehmigungsinhaber *License Holder*
Zhejiang HKE Relay Co., Ltd.
28 Jiacun Industry Area
Ningbo, Zhejiang 315135
P.R. China

Fertigungsstätte *Manufacturing Plant*
Zhejiang HKE Relay Co., Ltd.
28 Jiacun Industry Area
Ningbo, Zhejiang 315135
P.R. China

Prüfzeichen *Test Mark*

Geprüft nach *Tested acc. to*
EN 61810-1:2008



Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

Relay (Electromechanical Elementary Relays)

as page 0001

Addition

Type Designation	: HRS4H-S-x-A x = (See Appendix 1.2)	2
Rated Coil Voltage	: DC 3V; 5V; 6V; 9V; 12V; 24V or 48V	
Rated Coil Power	: 0,36W	
Ambient Temperature	: -40°C to +65°C	
Contact Loads	: Make contact 15 250VAC	
Electrical Endurance	: 20 000	
Mechanical Endurance	: 10 000 000	

2

ANLAGE (Appendix): 1.2

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) F He

Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
R 50116136

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0006

Ihr Zeichen *Client Reference*
L.Y.H.

Unser Zeichen *Our Reference*
01-SDW- 15024682 007

Ausstellungsdatum
15.08.2017

Date of Issue
(day/mo/yr)

Genehmigungsinhaber *License Holder*
Zhejiang HKE Relay Co., Ltd.
28 Jiacun Industry Area
Ningbo, Zhejiang 315135
P. R. China

Fertigungsstätte *Manufacturing Plant*
Zhejiang HKE Relay Co., Ltd.
28 Jiacun Industry Area
Ningbo, Zhejiang 315135
P. R. China

Prüfzeichen *Test Mark*

Geprüft nach *Tested acc. to*
EN 61810-1:2015



Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

Relay (Electromechanical Elementary Relay)

as page 0001

Change

Test Requirement: See above

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.

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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



Zertifikat *Certificate*



Zertifikat Nr. *Certificate No.*
R 50116136

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0007

Ihr Zeichen *Client Reference*
L.Y.H.

Unser Zeichen *Our Reference*
01-LHF- 15024682 009

Ausstellungsdatum
09.10.2022

Date of Issue
(day/month/year)

Genehmigungsinhaber *License Holder*
Zhejiang HKE Relay Co., Ltd.
28 Jiacun Industry Area
Ningbo
315135 Zhejiang
P.R. China

Fertigungsstätte *Manufacturing Plant*
Zhejiang HKE Relay Co., Ltd.
28 Jiacun Industry Area
Ningbo
315135 Zhejiang
P.R. China

Prüfzeichen *Test Mark*



Geprüft nach *Tested acc. to*
EN 61810-1:2015+A1

Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

Relay (Electromechanical Elementary Relay)

as page 0001

Change

Test Requirement: See above

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.

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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>



Kenny Shi



CERTIFICATE OF PRODUCT CERTIFICATION

CERTIFICATE NO.: CQC08002027614

Valid from: Jun.20,2025

Valid until:Jun.20,2029

NAME AND REGISTERED ADDRESS OF THE APPLICANT	ZHEJIANG HKE RELAY CO. , LTD Yunlong Town Yinzhou Disrict , Ningbo Zhejiang
NAME AND REGISTERED ADDRESS OF THE MANUFACTURER	ZHEJIANG HKE RELAY CO. , LTD Yunlong Town Yinzhou Disrict , Ningbo Zhejiang
NAME AND LOCATION OF THE FACTORY	ZHEJIANG HKE RELAY CO. , LTD 162# Jiacun (Jiashan) Yunlong Town Yinzhou Disrict , Ningbo Zhejiang
PRODUCT NAME, MODEL AND SPECIFICATION	RELAY Based on Standard: GB/T 21711.1-2023 HRS4 Series Contact Load:NO/NC 10A/6A 250VAC (HRS4, HRS4T)10A 250VAC (HRS4F)15A 250VAC (HRS4H)16A 250VAC (HRS4H)Coil Voltage: DC3V, DC5V, DC6V, DC9V, DC12V, DC24V, 48VDC Coil Power: 0.36W (10A, 15A, 16A load) / 0.45W (10A load)Electrical Life: 20,000 operations (10A, 15A load) / 30,000 operations (16A load)Mechanical Life: 50,000 operationsAmbient Temperature:-40°C ~ 85°C (10A load)-40°C ~ 65°C (15A load)-40°C ~ 40°C (16A load) RTII Based on Standard: GB/T 14536.1-2022 HRS4 Series Contact Load: NO: 10A 250VAC NC: 6A 250VAC CO: 10A/6A 250VAC Coil Voltage: DC3V, DC5V, DC6V, DC9V, DC12V, DC24V, 48VDC Coil Power: 0.36W / 0.45W Electrical Life: 20,000 operations Ambient Temperature: -40°C ~ 85°C PTI 175 Glow-Wire Temperature: 850°C Pollution Degree: 2
THE STANDARDS AND TECHNICAL REQUIREMENTS FOR THE PRODUCTS	GB/T 14536.1-2022;GB/T 21711.1-2023
TYPE OF CERTIFICATION SCHEMES	Type testing of product + initial factory inspection + follow up factory inspection

This is to certify that the above mentioned product(s) complies with the requirements of certification rules of CQC11-462155-2010.

Date of original issued: Dec.12,2008

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

The certificate information is available through the QR code below or CNCA's website: www.cnca.gov.cn



SIGNATURE:

谢肇煦



中国质量认证中心
CHINA QUALITY CERTIFICATION CENTRE

CHINA QUALITY CERTIFICATION CENTRE CO., LTD.
Section 9, No. 188, Nansihuan Xilu, Beijing 100070 P. R. China

Tel: +86 10 83886666
<http://www.cqc.com.cn>



CERTIFICATE OF PRODUCT CERTIFICATION

CERTIFICATE NO. : CQC08002027614

page 1 of 1

paper:

This certificate and attachments shall be used at the same time, and the verification instructions can be found in the main certificate.

Nomenclature

HRS4 X X S X X

1 2 3 4 5 6

↵

1↵	Model: HRS4↵
2↵	Dust Cover Type: Blank - Low Cover (10A、15A、16A); T - High Cover (10A); F - High Insulation (10A) ↵
3↵	Coil Power: Blank - 0.45W (10A), H - 0.36W (10A、15A、16A) ↵
4↵	Enclosure: S - Sealed by glue↵
5↵	Coil Voltage: DC3V,DC5V,DC6V,DC9V,DC12V,DC24V,DC48V↵
6↵	Current Mark: A - 15A (65℃)、16A (40℃), Normal Open A only: Blank - 10A↵



中国质量认证中心
CHINA QUALITY CERTIFICATION CENTRE