

# CERTIFICATE OF COMPLIANCE

**Certificate Number** E94269  
**Report Reference** E94269-20230328  
**Issue Date** 2023-JULY-07

**Issued to:** HANKUK RELAY CO LTD  
8 Gajeong-ro 77beon-gil Seo-gu, Incheon 22837 KR.

**This certificate confirms that representative samples of** SWITCHES, INDUSTRIAL CONTROL - COMPONENT  
For models refer to Addendum Page

Have been evaluated by UL in accordance with the component requirements in the Standard(s) indicated on this Certificate. UL Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for installation in complete equipment submitted for investigation to UL LLC.

**Standard(s) for Safety:** UL 508 - Industrial Control Equipment.  
CSA C22.2 NO. 14-18 - Industrial Control Equipment.

**Additional Information:** See UL Product iQ® at <https://iq.ulprospector.com> for additional information.

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Recognized Component Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

Only those products bearing the UL Recognized Component Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Recognized Component Mark on the product.



Deborah Jennings-Conner, VP Regulatory Services  
UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact UL Customer Service at <http://ul.com/aboutul/locations/>



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This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

Switches, Industrial Control, Electromagnetic relays –

Models - HR105

Followed by -2P, -3P or -4P

Followed by P, blank

Followed by L, S, LS, RC or blank

Followed by -6VDC through 220VDC or -6VAC through 300VAC or -6VDC through 220VDC & -6VAC through 380VAC.

HR110

Followed by -1P, -2P, -3P or -4P

Followed by P, blank

Followed by L, S, LS, RC or blank

Followed by -6VDC through 220VDC or -6VAC through 300VAC or -6VDC through 220VDC & -6VAC through 380VAC.

Switches, Industrial Control, Electromagnetic relays –

RHN

Followed by -1 or -2


Followed by 1, 2, 3, 4, 5, 6 or blank

Followed by -6VDC through 110VDC or -6VAC through 240VAC.

Accessory, Sockets

RHNS

Followed by -1 or -2



Deborah Jennings-Conner, VP Regulatory Services

UL LLC

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HANKUK RELAY CO.,LTD.  
Honghai Li

Date : 24.08.2023  
Our ref. : HLI ZC10  
Your ref.: L.H.H.

8, Gajeong-ro 77beon-gil, Seo-gu,  
Incheon 22837  
Republic of Korea

**Ref : R TÜV-Mark Approval**

Type of Equipment : Relay  
Model Designation : See Certificate  
Certificate No. : R 50597063 0001  
Report No. : 50104109 008

Dear Honghai Li,

The above specified equipment has been tested and found to be in accordance with the relevant requirements.

Please find enclosed your certificate as specified above.

If cancellation of the certificate is submitted by 15 November in a given year, no fee will be charged for the following year.

The certificate is issued with the reservation that the license holder applies all information required in § 6 of the ProdSG related to name and address of the manufacturer or his authorized representative / importer, including their respective contact addresses on the product prior to marketing of the product in the European Economic Area. In case you have a change regarding your involved local representative for the certificate, please inform us in due time.

With kind regards,

Certification Body

  
James Li

cc: Clion Electric Co., Ltd.

Enclosure

证书的详细资料请登陆[www.certipedia.com](http://www.certipedia.com)查阅,或拨打我司客服热线800 999 3668 / 400 883 1300咨询


# Zertifikat

# Certificate



<b>Zertifikat Nr. Certificate No.</b> R 50597063	<b>Blatt Sheet</b> 0001		
<b>Ihr Zeichen Client Reference</b> L.H.H.	<b>Unser Zeichen Our Reference</b> ZC10-HLI-50104109 008	<b>Ausstellungsdatum Date of Issue</b> 24.08.2023	<b>Date of Issue</b> (day/mo/yr)

<b>Genehmigungsinhaber License Holder</b> HANKUK RELAY CO., LTD. 8, Gajeong-ro 77beon-gil, Seo-gu, Incheon 22837 Republic of Korea	<b>Fertigungsstätte Manufacturing Plant</b> 040-0002067119
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<b>Prüfzeichen Test Mark</b>  Type Approved Safety Regular Production Surveillance www.tuv.com ID 1111273006	<b>Geprüft nach Tested acc. to</b> EN 61810-1:2015+A1
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<b>Zertifiziertes Produkt (Geräteidentifikation)</b> <i>Certified Product (Product Identification)</i>	<b>Lizenzentgelte - Einheit</b> <i>License Fee - Unit</i>
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### Relay (Relay)

Type Designation	: 1) RHN-abc	2) RHN-abd	10
	a=1, 2		
	b=1, 3		
	c=DC 6V, 9V, 12V, 24V, 36V, 48V, 110V		
	d=AC 6V, 12V, 24V, 36V, 48V, 110V, 220V, 240V		
Rated Coil Voltage	: 1) DC 6V, 9V, 12V, 24V, 36V, 48V, 110V		
	2) AC 6V, 12V, 24V, 36V, 48V, 110V, 220V, 240V		
Rated Coil Power	: 0.53W for DC		
	0.8VA for AC		
Contact Rating	: When a=1:		
	277VAC or 30VDC	NO: 15A NC: 12A	
	250VAC	4.9A	
	When a=2:		
	277VAC or 30VDC	8A	
	250VAC	3.6A	
Ambient Temperature:	-40°C to +85°C		
Continued on page 0002			

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**  
http://www.tuv.com/safety E-mail: markcheck@tuv.com  
Fax: +49 221 806-3935



# Zertifikat

# Certificate



<b>Zertifikat Nr. Certificate No.</b> R 50597063	<b>Blatt Sheet</b> 0002	
<b>Ihr Zeichen Client Reference</b> L.H.H.	<b>Unser Zeichen Our Reference</b> ZC10-HLI-50104109 008	<b>Ausstellungsdatum Date of Issue</b> 24.08.2023 (day/mo/yr)
<b>Genehmigungsinhaber License Holder</b> HANKUK RELAY CO., LTD. 8, Gajeong-ro 77beon-gil, Seo-gu, Incheon 22837 Republic of Korea		<b>Fertigungsstätte Manufacturing Plant</b> 040-0002067119

## 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 (Relay)

Continuation from page 0001

Number of Cycles for  
Electrical Endurance : 100,000  
Number of Cycles for  
Mechanical Endurance : 10,000,000  
Thermal Insulation Class : F  
Type of Interruption : Micro-disconnection  
Insulation System between  
Coil and Contact : Basic Insulation

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