

# CERTIFICATE OF COMPLIANCE

**Certificate Number** E94269  
**Report Reference** E94269-20000329  
**Issue Date** 2023-JANUARY-11

**Issued to:** HANKUK RELAY CO LTD  
152-1 KAJWA-DONG  
SEO-KU  
INCHON, 404-250 REPUBLIC OF KOREA

**This certificate confirms that representative samples of** COMPONENT - SWITCHES, INDUSTRIAL CONTROL  
See Addendum Page for Models

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 and CAN/CSA C22.2 No. 14-18, CAN/CSA C22.2 No. 14-13, CSA C22.2 NO. 14-10 and CAN/CSA C22.2 No. 14-18 - -Standard for 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.



Bruce Mahrenholz, Conformity Assessment Director  
UL LLC

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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.

## Relays:

HR-CR6 DC05V, HR-CR6 DC12V, HR-CR6 DC24V, HR-CR6P DC05V, HR-CR6P DC12V, HR-CR6P DC24V, HR703FDC03V, HR703FDC05V, HR703FDC06V, HR703FDC09V, HR703FDC12V, HR703FDC24V, HR703FDC48V, HR702NHDC03V, HR702NHDC05V, HR702NHDC06V, HR702NHDC09V, HR702NHDC12V, HR702NHDC24V, HR702NHDC48V, HR703HDC03V, HR703HDC05V, HR703HDC06V, HR703HDC09V, HR703HDC12V, HR703HDC24V, HR703HDC48V, HR91A03, HR91A05, HR91A06, HR91A09, HR91A12, HR91A24, HR91C03, HR91C05, HR91C06, HR91C09, HR91C12, HR91C24, HR96A 03, HR96A 05, HR96A 06, HR96A 09, HR96A 12, HR96A 18, HR96A 24, HR96C 03, HR96C 05, HR96C 06, HR96C 09, HR96C 12, HR96C 18, HR96C 24, HR96A 05H, HR96A 06H, HR96A 09H, HR96A 12H, HR96A 18H, HR96A 24H, HR96C 05H, HR96C 06H, HR96C 09H, HR96C 12H, HR96C 18H, HR96C 24H, HR80A DC03H, HR80A DC05H, HR80A DC06H, HR80A DC09H, HR80A DC12H, HR80A DC24H, HR80A DC48H, HR-CR3B13DC05, HR-CR3B13DC06, HR-CR3B13DC09, HR-CR3B13DC12, HR-CR3B13DC18, HR-CR3B13DC24, HR-CR3B13DC48, HR-CR3B11DC05, HR-CR3B11DC06, HR-CR3B11DC09, HR-CR3B11DC12, HR-CR3B11DC18, HR-CR3B11DC24, HR-CR3B11DC48, HR-CR3B13DC05K, HR-CR3B13DC06K, HR-CR3B13DC09K, HR-CR3B13DC12K, HR-CR3B13DC18K, HR-CR3B13DC24K, HR-CR3B13DC48K, HR-CR3B11DC05K, HR-CR3B11DC06K, HR-CR3B11DC09K, HR-CR3B11DC12K, HR-CR3B11DC18K, HR-CR3B11DC24K, HR-CR3B11DC48K, HR-CR3B23DC05, HR-CR3B23DC06, HR-CR3B23DC09, HR-CR3B23DC12, HR-CR3B23DC18, HR-CR3B23DC24, HR-CR3B23DC48, HR-CR3B21DC05, HR-CR3B21DC06, HR-CR3B21DC09, HR-CR3B21DC12, HR-CR3B21DC18, HR-CR3B21DC24, HR-CR3B21DC48, HR93F DC03, HR93F DC05, HR93F DC06, HR93F DC09, HR93F DC12, HR93F DC24, HR93F DC03H, HR93F DC05H, HR93F DC06H, HR93F DC09H, HR93F DC12H, HR93F DC24H, HR93 DC03, HR93 DC05, HR93 DC06, HR93 DC09, HR93 DC12, HR93 DC24, HR93 DC03H, HR93 DC05H, HR93 DC06H, HR93 DC09H, HR93 DC12H, HR93 DC24H, HR90 DC03-H, HR90 DC05-H, HR90 DC06-H, HR90 DC09-H, HR90 DC12-H, HR90 DC24-H, HR90 DC48-H, HR90 DC03-U, HR90 DC05-U, HR90 DC06-U, HR90 DC09-U, HR90 DC12-U, HR90 DC24-U, HR90 DC48-U, HR90 DC03, HR90 DC05, HR90 DC06, HR90 DC09, HR90 DC12, HR90 DC24, HR90 DC48, HR90 DC03-V, HR90 DC05-V, HR90 DC06-V, HR90 DC09-V, HR90 DC12-V, HR90 DC24-V, HR90 DC48-V, HR-CR7DC03, HR-CR7DC05, HR-CR7DC06, HR-CR7DC09, HR-CR7DC12, HR-CR7DC24, HR-CR7DC48, HR-CR3A13DC03, HR-CR3A13DC05, HR-CR3A13DC06, HR-CR3A13DC09, HR-CR3A13DC12, HR-CR3A13DC24, HR-CR3A13DC48, HR-CR3A11DC03, HR-CR3A11DC05, HR-CR3A11DC06, HR-CR3A11DC09, HR-CR3A11DC12, HR-CR3A11DC24, HR-CR3A11DC48, HR-CR3A13DC05H, HR-CR3A13DC06H, HR-CR3A13DC09H, HR-CR3A13DC12H, HR-CR3A13DC24H, HR-CR3A13DC48H, HR-CR3A11DC03H, HR-CR3A11DC05H, HR-CR3A11DC06H, HR-CR3A11DC09H, HR-CR3A11DC12H, HR-CR3A11DC24H, HR-CR3A11DC48H, HR-CR3A21DC03, HR-CR3A21DC05, HR-CR3A21DC06, HR-CR3A21DC09, HR-CR3A21DC12, HR-CR3A21DC24, HR-CR3A21DC48, HR-CR3A23DC03, HR-CR3A23DC05, HR-CR3A23DC06, HR-CR3A23DC09, HR-CR3A23DC12, HR-CR3A23DC24, HR-CR3A21DC03H, HR-CR3A21DC05H, HR-CR3A21DC06H, HR-CR3A21DC09H, HR-CR3A21DC12H, HR-CR3A21DC24H, HR-CR3A21DC48H, HR-CR3A23DC03H



Bruce Mahrenholz, Conformity Assessment Director

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Report Reference E94269-20000329  
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## Relays:

HR-CR3A23DC05H, HR-CR3A23DC06H, HR-CR3A23DC09H, HR-CR3A23DC12H, HR-CR3A23DC24H, HR-CR3A23DC48H, HR-CR3A11DC03K, HR-CR3A11DC05K, HR-CR3A11DC06K, HR-CR3A11DC09K, HR-CR3A11DC12K, HR-CR3A11DC24K, HR-CR3A11DC48K, HR-CR3A13DC03K, HR-CR3A13DC05K, HR-CR3A13DC06K, HR-CR3A13DC09K, HR-CR3A13DC12K, HR-CR3A13DC24K, HR-CR3A13DC48K, HR-CR3A11DC03KH, HR-CR3A11DC05KH, HR-CR3A11DC06KH, HR-CR3A11DC09KH, HR-CR3A11DC12KH, HR-CR3A11DC24KH, HR-CR3A11DC48KH, HR-CR3A13DC03KH, HR-CR3A13DC05KH, HR-CR3A13DC06KH, HR-CR3A13DC09KH, HR-CR3A13DC12KH, HR-CR3A13DC24KH, HR-CR3A13DC48KH, HR702HH DC03V, HR702HH DC05V, HR702HH DC06V, HR702HH DC09V, HR702HH DC12V, HR702HH DC24V, HR702HH DC48V, HR80A DC03HT, HR80A DC05HT, HR80A DC06HT, HR80A DC09HT, HR80A DC12HT, HR80A DC24HT, HR80A DC48HT, HR85AKSW DC012, HR85AKSW DC024, HR85AKS DC012, HR85AKS DC024, HR85CKSW DC012, HR85CKSW DC024, HR85CKS DC012, HR85CKS DC024

## Industrial Control Switches:

HRCR3N23DC03H, HRCR3N23DC05H, HRCR3N23DC06H, HRCR3N23DC09H, HRCR3N23DC12H, HRCR3N23DC24H, HRCR3N23DC48H, HR92 DC03H, HR92 DC05H, HR92 DC06H, HR92 DC09H, HR92 DC12H, HR92 DC24H, HR85AKSW DC005, HR85AKS DC005, HR85CKSW DC005, HR85CKS DC005, HR85ATSW DC005, HR85ATSW DC012, HR85ATSW DC024, HR85ATS DC005, HR85ATS DC012, HR85ATS DC024, HR85CTSW DC005, HR85CTSW DC012, HR85CTSW DC024, HR85CTS DC005, HR85CTS DC012, HR85CTS DC024, HR34-L1 03, HR34-L1 05, HR34-L1 06, HR34-L1 09, HR34-L1 12, HR34-L1 24, HR34-L1 48, HR34-L2 03, HR34-L2 05, HR34-L2 06, HR34-L2 09, HR34-L2 12, HR34-L2 24, HR34-L2 48, HR33-L1 03, HR33-L1 05, HR33-L1 06, HR33-L1 09, HR33-L1 12, HR33-L1 24, HR33-L1 48, HR33-L2 03, HR33-L2 05, HR33-L2 06, HR33-L2 09, HR33-L2 12, HR33-L2 24, HR33-L2 48

## Industrial Control Switches, Relays:

HR31-L1 03S, HR31-L1 05S, HR31-L1 06S, HR31-L1 09S, HR31-L1 12S, HR31-L1 24S, HR31-L2 03S, HR31-L2 05S, HR31-L2 06S, HR31-L2 09S, HR31-L2 12S, HR31-L2 24S



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## Certificate No. R 50159770

**Certificate Holder** HANKUK RELAY CO.,LTD.

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

**Certificate Number** R 50159770

**Order Number** 153121346

**Certified Product** Relay (Electromechanical Elementary Relays)

Model Designation:  
HR96x yz

**Fulfilled Standards** EN 61810-1:2004

The standard(s) listed here reflect the status at the time of the release of this certificate.  
For more standards and/or upgrades please refer to the latest pages of the same certificate no.

**Date of Issue** 2009-07-21

**Certificate Type** TÜV-Mark Approval  
**Type Approval**

The Type Approval mark of TÜV Rheinland is usually awarded for components that are not ready for use and occasionally also for finished products.

The components are by themselves not ready for use, but intended to be incorporated into finished products.

The tests focus on the safety of each component. The Type Approval is a voluntary test, which helps TÜV Rheinland to confirm that a product meets the relevant safety requirements.

After type examination the manufacture of products, which have received this test mark, is regularly monitored. The certification is valid as long as the test specifications are up to date and the certificate has not been terminated, neither by the customer nor by TÜV Rheinland. The validity of the certificate expires if changes are made to the product.

Certified products may be labelled with a test mark.

More information can be found [here](#).

## Certificate No. R 50159770

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

**Certificate Number** R 50159770

**Order Number** 153121346

**Certified Product** Relay (Electromechanical Elementary Relays)

**Fulfilled Standards** EN 61810-1:2004

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

**Certificate Number**

R 50159770

**Order Number**

154129133

**Certified Product**

Relay (Electromechanical Elementary Relays)

**Fulfilled Standards**

EN 61810-1:2008

The standard(s) listed here reflect the status at the time of the release of this certificate.  
For more standards and/or upgrades please refer to the latest pages of the same certificate no.

**Date of Issue**

2015-11-09

**Certificate Type****TÜV-Mark Approval  
Type Approval**

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**Certificate Holder**

**HANKUK RELAY CO.,LTD.**

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

**Certificate Number**

R 50159770

**Order Number**

154303513

**Certified Product**

Relay (Electromechanical Elementary Relays)

**Fulfilled Standards**

EN 61810-1:2015

The standard(s) listed here reflect the status at the time of the release of this certificate.  
For more standards and/or upgrades please refer to the latest pages of the same certificate no.

**Date of Issue**

2018-04-02

**Certificate Type**

TÜV-Mark Approval

**Type Approval**

The Type Approval mark of TÜV Rheinland is usually awarded for components that are not ready for use and occasionally also for finished products.

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Certified products may be labelled with a test mark.

More information can be found [here](#).

# Certificate No. R 50159770

Certificate Holder	<div>HANKUK RELAY CO.,LTD.</div> <div>8, Gajeong-ro 77beon-gil, Seo-gu, 22837 Incheon Republic of Korea</div>
Certificate Number	R 50159770
Order Number	244441105
Certified Product	Relay (Electromechanical Elementary Relays)
Fulfilled Standards	<div>EN 61810-1:2015+A1</div> <div>The standard(s) listed here reflect the status at the time of the release of this certificate.</div>
Date of Issue	2022-10-09
Certificate Type	<div>TÜV-Mark Approval</div> <div>Type Approval</div> <div>The Type Approval mark of TÜV Rheinland is usually awarded for components that are not ready for use and occasionally also for finished products.</div> <div>The components are by themselves not ready for use, but intended to be incorporated into finished products.</div> <div>The tests focus on the safety of each component. The Type Approval is a voluntary test, which helps TÜV Rheinland to confirm that a product meets the relevant safety requirements.</div> <div>After type examination the manufacture of products, which have received this test mark, is regularly monitored. The certification is valid as long as the test specifications are up to date and the certificate has not been terminated, neither by the customer nor by TÜV Rheinland. The validity of the certificate expires if changes are made to the product.</div> <div>Certified products may be labelled with a test mark.</div> <div>More information can be found <a href="#">here</a>.</div>