

# CERTIFICATE OF COMPLIANCE

**Certificate Number** UL-US-L246810-221-60106002-2  
**Report Reference** E246810-20060106  
**Date** 3-Dec-2023

**Issued to:** MINGGUANG HECHENG ELECTRICAL CO LTD  
HONGWU RD  
MINGGUANG INDUSTRY PARK  
MINGGUANG, Anhui Sheng 239400  
China

**This is to certify that** NLDX2 - Motor Controllers, Magnetic - Component  
**representative samples of** See Addendum Page for Product Designation(s).

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 60947-1, 5th Ed., Issue Date: 2013-07-31, Revision Date: 2019-05-06, UL 60947-4-1, 3rd Ed., Issue Date: 2014-04-04, Revision Date: 2017-10-17

**Additional Information:** See the UL Online Certifications Directory 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




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Model	Category Description
2SA, followed by 3P, followed by 20A, 25A, 30A, 40A or 50A, followed by 24V, 120V, 208/240V, 277V, 380V or 480V.	Magnetic Motor Controllers
<b>SA Series , TCDP Series</b> , SA Series, Defined Purpose AC contactors. SA, may be followed by 1.5P, 2P, 3P or 4P, followed by 20A, 25A, 30A, 40A, 50A, 60A, 75A or 90A, followed by 24V, 36V, 120V, 208/240V, 277V, 380V or 480V. TCDP, followed by 20A, 25A, 30A, 40A, 50A, 60A, 75A or 90A, may be followed by 1, 2, 3 or 4, may be followed by B7, H7, G7, U7, W7, E7 or F7	Magnetic Motor Controllers
<b>SA Series , TCDP Series</b> , TCDP Series, Defined Purpose AC contactors. SA, may be followed by 1.5P, 2P, 3P or 4P, followed by 20A, 25A, 30A, 40A, 50A, 60A, 75A or 90A, followed by 24V, 36V, 120V, 208/240V, 277V, 380V or 480V. TCDP, followed by 20A, 25A, 30A, 40A, 50A, 60A, 75A or 90A, may be followed by 1, 2, 3 or 4, may be followed by B7, H7, G7, U7, W7, E7 or F7	Magnetic Motor Controllers

  
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# CERTIFICATE OF COMPLIANCE

**Certificate Number** UL-CA-L246810-521-60106002-2  
**Report Reference** E246810-20060106  
**Date** 3-Dec-2023

**Issued to:** MINGGUANG HECHENG ELECTRICAL CO LTD  
HONGWU RD  
MINGGUANG INDUSTRY PARK  
MINGGUANG, Anhui Sheng 239400  
China

**This is to certify that representative samples of** NLDX8 - Motor Controllers, Magnetic Certified for Canada - Component  
See Addendum Page for Product Designation(s).

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:** CSA C22.2 NO. 60947-4-1, 2nd Ed., Issue Date: 2014-04-04, Revised 2018-05, CSA C22.2 NO. 60947-1-13, 2nd Ed., Issue Date: 2013-07-31

**Additional Information:** See the UL Online Certifications Directory at <https://iq.ulprospector.com> for additional information

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Look for the UL Recognized Component Mark on the product.

  
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Model	Category Description
2SA, followed by 3P, followed by 20A, 25A, 30A, 40A or 50A, followed by 24V, 120V, 208/240V, 277V, 380V or 480V.	Magnetic Motor Controllers
<b>SA Series , TCDP Series</b> , SA Series, Defined Purpose AC contactors. SA, may be followed by 1.5P, 2P, 3P or 4P, followed by 20A, 25A, 30A, 40A, 50A, 60A, 75A or 90A, followed by 24V, 36V, 120V, 208/240V, 277V, 380V or 480V. TCDP, followed by 20A, 25A, 30A, 40A, 50A, 60A, 75A or 90A, may be followed by 1, 2, 3 or 4, may be followed by B7, H7, G7, U7, W7, E7 or F7	Magnetic Motor Controllers
<b>SA Series , TCDP Series</b> , TCDP Series, Defined Purpose AC contactors. SA, may be followed by 1.5P, 2P, 3P or 4P, followed by 20A, 25A, 30A, 40A, 50A, 60A, 75A or 90A, followed by 24V, 36V, 120V, 208/240V, 277V, 380V or 480V. TCDP, followed by 20A, 25A, 30A, 40A, 50A, 60A, 75A or 90A, may be followed by 1, 2, 3 or 4, may be followed by B7, H7, G7, U7, W7, E7 or F7	Magnetic Motor Controllers

  
Deborah Jennings-Conner, VP Regulatory Services

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# CERTIFICATE OF COMPLIANCE

**Certificate Number** E246810  
**Report Reference** E246810-20060106  
**Date** 2023-December-03

**Issued to:** MINGGUANG HECHENG ELECTRICAL CO LTD  
HONGWU RD  
MINGGUANG INDUSTRY PARK  
MINGGUANG Anhui Sheng 239400 CN

**This is to certify that representative samples of** MOTOR CONTROLLERS, MAGNETIC - COMPONENT  
See Addendum Page for Product Designation(s).

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:** See Addendum Page for Standards

**Additional Information:** See the UL Online Certifications Directory at <https://iq.ulprospector.com> for additional information

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# CERTIFICATE OF COMPLIANCE

**Certificate Number** E246810  
**Report Reference** E246810-20060106  
**Date** 2023-December-03

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


USR, CNR - Definite Purpose Contactors, SA or TCDP Series Defined Purpose AC contactors. SA, may be followed by 1.5P, 2P, 3P or 4P, followed by 20A, 25A, 30A, 40A, 50A, 60A, 75A or 90A, followed by 24V, 36V, 120V, 208/240V, 277V, 380V or 480V; TCDP, followed by 20A, 25A, 30A, 40A, 50A, 60A, 75A or 90A, may be followed by 1, 2, 3 or 4, may be followed by B7, H7, G7, U7, W7, E7 or F7.

USR, CNR – Motor Controllers, Reversing, models 2SA, followed by 3P, followed by 20A, 25A, 30A, 40A or 50A, followed by 24V, 120V, 208/240V, 277V, 380V or 480V.

Standard(s) for Safety:

UL 60335-2-40 , HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES - SAFETY - PART 2-40:  
PARTICULAR REQUIREMENTS FOR ELECTRICAL HEAT PUMPS, AIR-CONDITIONERS AND  
DEHUMIDIFIERS

CSA C22.2 No. 60335-2-40 , Safety of Household and Similar Electrical Appliances - Part 2-40:  
Particular Requirements for Electrical Heat Pumps, Air-Conditioners and Dehumidifiers

  
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