

CERTIFICATE OF COMPLIANCE

Certificate Number UL-US-2014943-0
Report Reference E132659-20150626
Date 4-Feb-2021

Issued to: Lenze Automation GmbH
Hans-Lenze-Strasse 1 Aerzen
Germany 31855

This is to certify that representative samples of NMMS - Power Conversion Equipment
See Addendum Page for Product Designation(s).

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: UL 61800-5-1, 1st Ed., Issue Date: 2012-06-08, Revision Date: 2018-06-20

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

This Certificate of Compliance does not provide authorization to apply the UL Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

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Look for the UL Certification Mark on the product.



Bruce Mahrenholz, Director North American Certification Program

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CERTIFICATE OF COMPLIANCE

Certificate Number UL-US-2014943-0
Report Reference E132659-20150626
Date 4-Feb-2021

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

Model	Category Description
Open-Type, I4 and I5 Series , Cat. Nos. I5, followed by 1 or 5, followed by AE, followed by 125, 137, 155, 175, 211, 215 or 222, followed by B or D, followed by suffixes.	Variable Frequency Drives
Open-Type, I4 and I5 Series , I41, followed by AE, followed by 125, 137, 155, 175, 211, 215 or 222, followed by B, followed by suffixes.	Variable Frequency Drives
Open-Type, I4 and I5 Series , I4M or I5M, followed by any letters, followed by K or U, followed by suffixes.	Keypad and USB Diagnostic Module Accessories
Open-Type, I4 and I5 Series , I4M or I5M may be followed by suffixes.	Remote keypad accessory Module
Open-Type, I4 and I5 Series , I5, followed by 1 or 5, followed by AE, followed by 137, 155, 175, 211, 215 or 222, followed by F, followed by suffixes.	Variable Frequency Drives
Open-Type, I4 and I5 Series , I51 and I55, followed by BE, followed by 230 or 240, followed by F, followed by suffixes.	Variable Frequency Drives
Open-Type, I4 and I5 Series , I51, followed by AE, followed by 211, 215 or 222, followed by C, followed by suffixes.	Variable Frequency Drives
Open-Type, I4 and I5 Series , I5C may be followed by suffixes.	Control Unit
Open-Type, I4 and I5 Series , I5D, followed by AE, followed by 125, 137, 155, 175, 211, 215 or 222, followed by B or D, followed by suffixes.	Power Units
Open-Type, I4 and I5 Series , I5D, followed by AE, followed by 137, 155, 175, 211, 215 or 222, followed by F, followed by suffixes.	Power Units
Open-Type, I4 and I5 Series , I5D, followed by BE, followed by 230 or 240, followed by F, followed by suffixes.	Power Units
Open-Type, I4 and I5 Series , I5M accessory, modules are for use with I5 series VFD's.	I4M accessory modules are for use with I41 series VFD's
Open-Type, I4 and I5 Series , I5M followed by additional suffixes.	SMART keypad for control through smart phone app Accessory,
Open-Type, I4 and I5 Series , I5MxSA, followed by suffixes.	STO Accessory

B. Mahlen

Bruce Mahrenholz, Director North American Certification Program

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CERTIFICATE OF COMPLIANCE

Certificate Number UL-CA-2011822-0
Report Reference E132659-20150626
Date 4-Feb-2021

Issued to: Lenze Automation GmbH
Hans-Lenze-Strasse 1 Aerzen
Germany 31855

This is to certify that representative samples of NMMS7 - Power Conversion Equipment Certified for Canada
See Addendum Page for Product Designation(s).

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: CSA C22.2 NO. 274, 2nd Ed., Issue Date: 2017-04-01, Revision Date: 2017-04-01

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 UL-CA-2011822-0
Report Reference E132659-20150626
Date 4-Feb-2021

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

Model	Category Description
Open-Type, I4 and I5 Series , Cat. Nos. I5, followed by 1 or 5, followed by AE, followed by 125, 137, 155, 175, 211, 215 or 222, followed by B or D, followed by suffixes.	Variable Frequency Drives
Open-Type, I4 and I5 Series , I41, followed by AE, followed by 125, 137, 155, 175, 211, 215 or 222, followed by B, followed by suffixes.	Variable Frequency Drives
Open-Type, I4 and I5 Series , I4M or I5M, followed by any letters, followed by K or U, followed by suffixes.	Keypad and USB Diagnostic Module Accessories
Open-Type, I4 and I5 Series , I4M or I5M may be followed by suffixes.	Remote keypad accessory Module
Open-Type, I4 and I5 Series , I5, followed by 1 or 5, followed by AE, followed by 137, 155, 175, 211, 215 or 222, followed by F, followed by suffixes.	Variable Frequency Drives
Open-Type, I4 and I5 Series , I51 and I55, followed by BE, followed by 230 or 240, followed by F, followed by suffixes.	Variable Frequency Drives
Open-Type, I4 and I5 Series , I51, followed by AE, followed by 211, 215 or 222, followed by C, followed by suffixes.	Variable Frequency Drives
Open-Type, I4 and I5 Series , I5C may be followed by suffixes.	Control Unit
Open-Type, I4 and I5 Series , I5D, followed by AE, followed by 125, 137, 155, 175, 211, 215 or 222, followed by B or D, followed by suffixes.	Power Units
Open-Type, I4 and I5 Series , I5D, followed by AE, followed by 137, 155, 175, 211, 215 or 222, followed by F, followed by suffixes.	Power Units
Open-Type, I4 and I5 Series , I5D, followed by BE, followed by 230 or 240, followed by F, followed by suffixes.	Power Units
Open-Type, I4 and I5 Series , I5M accessory, modules are for use with I5 series VFD's.	I4M accessory modules are for use with I41 series VFD's
Open-Type, I4 and I5 Series , I5M followed by additional suffixes.	SMART keypad for control through smart phone app Accessory,
Open-Type, I4 and I5 Series , I5MxSA, followed by suffixes.	STO Accessory



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CERTIFICATE OF COMPLIANCE

Certificate Number UL-US-2014946-9
Report Reference E132659-20151125
Date 31-Aug-2023

Issued to: Lenze SE
Hans-Lenze-Str. 1
Aerzen, Niedersachsen 31855
Germany

**This is to certify that
representative samples of**

NMMS - Power Conversion Equipment
See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the
Standard(s) indicated on this Certificate.

Standard(s) for Safety: UL 61800-5-1, 1st Ed., Issue Date: 2012-06-08, Revision
Date: 2018-06-20

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

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Deborah Jennings-Conner, VP Regulatory Services
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CERTIFICATE OF COMPLIANCE

Certificate Number UL-US-2014946-9
Report Reference E132659-20151125
Date 31-Aug-2023

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

Model	Category Description
I5, followed by 1 or 5, followed by B, followed by E, followed by 315, 318, 322 or 330, followed by F, followed by suffixes.	Power Conversion Equipment
Open-Type, I5 Series , I5, followed by 1 or 5,, followed by A, followed by E, followed by 230, 240, 255, 275, 311, 315, 318 or 322, followed by F, followed by suffixes.	Variable Frequency Drives
I5, followed by 1 or 5,, followed by B, followed by E, followed by 275, 311 or 315, followed by C, followed by suffixes.	Power Conversion Equipment
I5, followed by 1 or 5, followed by A, followed by E, followed by 275 or 311, followed by C, followed by suffixes.	Power Conversion Equipment
Open-Type, I5 Series , I5, followed by 1 or 5, followed by B,, followed by E, followed by 275 or 311, followed by F, followed by suffixes.	Variable Frequency Drives
Open-Type, I5 Series , I5, followed by D, followed by A, followed by E, followed by 230, 240, 255, 275, 311, 315, 318 or 322, followed by F, followed by suffixes.	Variable Frequency Drives
I5, followed by D, followed by A, followed by E, followed by 275 or 311, followed by C, followed by suffixes	Power Conversion Equipment
Open-Type, I5 Series , I5, followed by D, followed by B,, followed by E, followed by 275 or 311, followed by F, followed by suffixes	Power units
I5, followed by D, followed by B, followed by E, followed by 275, 311 or 315, followed by C, followed by suffixes	Power Conversion Equipment
I5, followed by D, followed by B, followed by E, followed by 315, 318, 322 or 330, followed by F, followed by suffixes	Power Conversion Equipment

Deborah Jennings-Conner

Deborah Jennings-Conner, VP Regulatory Services

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CERTIFICATE OF COMPLIANCE

Certificate Number UL-CA-2011826-9
Report Reference E132659-20151125
Date 31-Aug-2023

Issued to: Lenze SE
Hans-Lenze-Str. 1
Aerzen, Niedersachsen 31855
Germany

**This is to certify that
representative samples of**

NMMS7 - Power Conversion Equipment Certified for
Canada

See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the
Standard(s) indicated on this Certificate.

Standard(s) for Safety: CSA C22.2 No. 274, 2nd Ed., Issue Date: 2017-04-01

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

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Deborah Jennings-Conner

Deborah Jennings-Conner, VP Regulatory Services

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CERTIFICATE OF COMPLIANCE

Certificate Number UL-CA-2011826-9
Report Reference E132659-20151125
Date 31-Aug-2023

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

Model	Category Description
I5, followed by 1 or 5, followed by B, followed by E, followed by 315, 318, 322 or 330, followed by F, followed by suffixes.	Power Conversion Equipment
Open-Type, I5 Series , I5, followed by 1 or 5,, followed by A, followed by E, followed by 230, 240, 255, 275, 311, 315, 318 or 322, followed by F, followed by suffixes.	Variable Frequency Drives
I5, followed by 1 or 5,, followed by B, followed by E, followed by 275, 311 or 315, followed by C, followed by suffixes.	Power Conversion Equipment
I5, followed by 1 or 5, followed by A, followed by E, followed by 275 or 311, followed by C, followed by suffixes.	Power Conversion Equipment
Open-Type, I5 Series , I5, followed by 1 or 5, followed by B,, followed by E, followed by 275 or 311, followed by F, followed by suffixes.	Variable Frequency Drives
Open-Type, I5 Series , I5, followed by D, followed by A, followed by E, followed by 230, 240, 255, 275, 311, 315, 318 or 322, followed by F, followed by suffixes.	Variable Frequency Drives
I5, followed by D, followed by A, followed by E, followed by 275 or 311, followed by C, followed by suffixes	Power Conversion Equipment
Open-Type, I5 Series , I5, followed by D, followed by B,, followed by E, followed by 275 or 311, followed by F, followed by suffixes	Power units
I5, followed by D, followed by B, followed by E, followed by 275, 311 or 315, followed by C, followed by suffixes	Power Conversion Equipment
I5, followed by D, followed by B, followed by E, followed by 315, 318, 322 or 330, followed by F, followed by suffixes	Power Conversion Equipment

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CERTIFICATE OF COMPLIANCE

Certificate Number UL-CA-2011980-5
Report Reference E132659-20160729
Date 9-May-2023

Issued to: Lenze SE
Hans-Lenze-Str. 1 Aerzen 31855
Germany

**This is to certify that
representative samples of**

NMMS7 - Power Conversion Equipment Certified for
Canada

See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the
Standard(s) indicated on this Certificate.

Standard(s) for Safety: CSA C22.2 No. 274, 2nd Ed., Issue Date: 2017-04-01

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CERTIFICATE OF COMPLIANCE

Certificate Number UL-CA-2011980-5
Report Reference E132659-20160729
Date 9-May-2023

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

Model	Category Description
I5 Series (120V Sizes 2 and 3), I5 Series 230V , I5, followed by D, followed by 2 alphanumeric characters, followed by 240, or 255, followed by C, followed by up to 10 alphanumeric characters.	Open Type, Power units
I5 followed by D, followed by 2 alphanumeric characters, followed by 125, 137, 175, or 211, followed by A, followed by up to 10 alphanumeric characters.	Power units
I5 Series (120V Sizes 2 and 3), I5 Series 230V , I5, followed by 5, followed by 2 alphanumeric characters, followed by 125, 137, 175, 211, 240 or 255, followed by A or C, followed by suffixes.	Open type, Variable Frequency Drives
I5 Series (120V Sizes 2 and 3), I5 Series 230V , I51, followed by 2 alphanumeric characters, followed by 240 or 255, followed by C, followed by up to 10 alphanumeric characters	Open type, Variable Frequency Drives

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CERTIFICATE OF COMPLIANCE

Certificate Number UL-US-2015123-5
Report Reference E132659-20160729
Date 9-May-2023

Issued to: Lenze SE
Hans-Lenze-Str. 1 Aerzen 31855
Germany

This is to certify that representative samples of NMMS - Power Conversion Equipment
See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the
Standard(s) indicated on this Certificate.

Standard(s) for Safety: UL 61800-5-1, 1st Ed., Issue Date: 2012-06-08, Revision
Date: 2018-06-20

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 UL-US-2015123-5
Report Reference E132659-20160729
Date 9-May-2023

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

Model	Category Description
I5 Series (120V Sizes 2 and 3), I5 Series 230V , I5, followed by D, followed by 2 alphanumeric characters, followed by 240, or 255, followed by C, followed by up to 10 alphanumeric characters.	Open Type, Power units
I5 followed by D, followed by 2 alphanumeric characters, followed by 125, 137, 175, or 211, followed by A, followed by up to 10 alphanumeric characters.	Power units
I5 Series (120V Sizes 2 and 3), I5 Series 230V , I5, followed by 5, followed by 2 alphanumeric characters, followed by 125, 137, 175, 211, 240 or 255, followed by A or C, followed by suffixes.	Open type, Variable Frequency Drives
I5 Series (120V Sizes 2 and 3), I5 Series 230V , I51, followed by 2 alphanumeric characters, followed by 240 or 255, followed by C, followed by up to 10 alphanumeric characters	Open type, Variable Frequency Drives

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CERTIFICATE OF COMPLIANCE

Certificate Number UL-US-2015105-0
Report Reference E132659-20160507
Date 5-Feb-2021

Issued to: Lenze Automation GmbH
Hans-Lenze-Strasse 1 Aerzen
Germany 31855

This is to certify that representative samples of NMMS - Power Conversion Equipment
See Addendum Page for Product Designation(s).

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: UL 61800-5-1, 1st Ed., Issue Date: 2012-06-08, Revision Date: 2018-06-20

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 UL-US-2015105-0
Report Reference E132659-20160507
Date 5-Feb-2021

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

Model	Category Description
I5 Series (Sizes 7, 8 and 9) , I55, followed by 2 alphanumeric characters, followed by 330, 337, 345, 355, 375, 390 or 411, followed by F, followed by up to 3 suffixes.	Variable Frequency Drive
I5 Series (Sizes 7, 8 and 9) , I5D, followed by 2 alphanumeric characters, followed by 330, 337, 345, 355, 375, 390 or 411, followed by F, followed by up to 3 suffixes.	Power Unit



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CERTIFICATE OF COMPLIANCE

Certificate Number UL-CA-2011963-0
Report Reference E132659-20160507
Date 5-Feb-2021

Issued to: Lenze Automation GmbH
Hans-Lenze-Strasse 1 Aerzen
Germany 31855

This is to certify that representative samples of NMMS7 - Power Conversion Equipment Certified for Canada
See Addendum Page for Product Designation(s).

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: CSA C22.2 NO. 274, 2nd Ed., Issue Date: 2017-04-01, Revision Date: 2017-04-01

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CERTIFICATE OF COMPLIANCE

Certificate Number UL-CA-2011963-0
Report Reference E132659-20160507
Date 5-Feb-2021

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

Model	Category Description
I5 Series (Sizes 7, 8 and 9) , I55, followed by 2 alphanumeric characters, followed by 330, 337, 345, 355, 375, 390 or 411, followed by F, followed by up suffixes.	Variable Frequency Drive
I5 Series (Sizes 7, 8 and 9) , I5D, followed by 2 alphanumeric characters, followed by 330, 337, 345, 355, 375, 390 or 411, followed by F, followed by suffixes.	Power Unit



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CERTIFICATE OF COMPLIANCE

Certificate Number UL-US-2014299-0
Report Reference E132659-20210129
Date 3-Feb-2021

Issued to: Lenze Automation GmbH
Hans-Lenze-Strasse 1 Aerzen
Germany 31855

**This is to certify that
representative samples of**

NMMS2 - Power Conversion Equipment - Component
See Addendum Page for Product Designation(s).

Have been investigated 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 61800-5-1, 1st Ed., Issue Date: 2012-06-08, Revision Date: 2018-06-20

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

This *Certificate of Compliance* does not provide authorization to apply the UL Recognized Component Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

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Look for the UL Recognized Component Mark on the product.



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CERTIFICATE OF COMPLIANCE

Certificate Number UL-US-2014299-0
Report Reference E132659-20210129
Date 3-Feb-2021

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

Model	Category Description
Series i500, I55, fb an alphanumeric character, fb C, fb 315, 318, 322, 330, 337, 345, fb F followed by suffixes.	Variable Frequency Drives, open type,
I5D	Power units, open type



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CERTIFICATE OF COMPLIANCE

Certificate Number UL-CA-2011351-0
Report Reference E132659-20210129
Date 3-Feb-2021

Issued to: Lenze Automation GmbH
Hans-Lenze-Strasse 1 Aerzen
Germany 31855

This is to certify that representative samples of NMMS8 - Power Conversion Equipment Certified for Canada - Component
See Addendum Page for Product Designation(s).

Have been investigated 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. 274, 2nd Ed., Issue Date: 2017-04-01, Revision Date: 2017-04-01

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 UL-CA-2011351-0
Report Reference E132659-20210129
Date 3-Feb-2021

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

Model	Category Description
Series i500, I55, fb an alphanumeric character, fb C, fb 315, 318, 322, 330, 337, 345, fb F followed by suffixes.	Variable Frequency Drives, open type,
I5D	Power units, open type



Bruce Mahrenholz, Director North American Certification Program

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CERTIFICATE OF COMPLIANCE

Certificate Number 20180409-E170350
Report Reference E170350-20170830
Issue Date 2018-APRIL-09

Issued to: Lenze Americas Corp
63n0 DOUGLAS ST
UXBRIDGE MA 01569-2001

**This is to certify that
representative samples of**

POWER CONVERSION EQUIPMENT

Enclosed Variable Frequency Drives, I5 Series (Size 3,
230V and 480V):

Cat. Nos. I55, followed by 2 alphanumeric characters,
followed by 222, followed by B, C or F, followed by 5
alphanumeric characters, followed by AKBS.

Have been investigated by UL in accordance with the
Standard(s) indicated on this Certificate.

Standard(s) for Safety:

UL 61800-5-1 - Adjustable Speed Electrical Power Drive
Systems - Part 5-1: Safety Requirements - Electrical,
Thermal and Energy

CSA-C22.2 No. 274 - Adjustable Speed Drives

Additional Information:

See the UL Online Certifications Directory at
www.ul.com/database for additional information

Only those products bearing the UL Certification Mark should be considered as being covered by UL's
Certification and Follow-Up Service.

Look for the UL Certification Mark on the product.



Bruce Mahrenholz, Director North American Certification Program
UL LLC

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