

CERTIFICATE OF COMPLIANCE

Certificate Number UL-US-L132659-1101-02015002-6
Report Reference E132659-20051020
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

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 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 Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.

Deborah Jennings-Conner

Deborah Jennings-Conner, VP Regulatory Services

UL LLC

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CERTIFICATE OF COMPLIANCE

Certificate Number UL-US-L132659-1101-02015002-6
Report Reference E132659-20051020
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
AC/AC or DC/AC Inverter Unit, Cat. No. E94, followed by a letter, followed by S, followed by a letter, followed by E, followed by 002, 003, 004, 007, 013, 017, 024 followed by numbers and/or letters.	Power Conversion Equipment
AC/DC Supply/Recovery Unit, Cat. No. E94, followed by RNE, followed by 013 or 024, followed by numbers and/or letters.	AC/DC Supply / Recovery Unit
Series E94 , Busbar Kit, E94AZJA, followed by 003, 007, 024, may be followed by numbers and/or letters.	Power conversion equipment, open type, modular systems "Series E94", consisting of
Communication Modules, E94AYC, followed by EC, EN, EO, EP, IB, ER, PM, CA, DN, ET may be followed by numbers and/or letters	Communication Modules
Communication Modules, E94AZCUS, followed by EC, EN, EO, EP, IB, ER, PM, CA, DN, ET may be followed by numbers and/or letters	Communication Modules
DC/AC Inverter Unit, Cat. No. E94, followed by a letter, followed by M, followed by a letter, followed by E, followed by 002, 003, 004, 007, 009, 013, 017, 024, 032 followed by numbers and/or letters.	Power Conversion Equipment
Diagnostic Adapter, Cat. No. E94AZCUS, may be followed by numbers and/ or letters	Accessory Open type Diagnostic Adapter
E94, followed by a letter followed by PNE, followed by 010 or 036, followed by numbers and/or letters.	Power Conversion Equipment
Feedback Module, Cat. No. E94AYFLF, may be followed by numbers and/ or letters.	Accessory Open type Feedback Module
Keypad, Cat. No. E94AZKAE, may be followed by numbers and/or letters.	Accessory Open type Keypad
Keypad, Cat. No. EZAEBK, may be followed by numbers and/or letters.	Accessory Open type Memory Modules
Memory Modules, Cat. No. E94AYM, followed by 1, 2, 3 or 4 may be followed by numbers and/or letters	Accessory Open type Memory Modules
Safety Modules, Cat. No. E94AYA, followed by A, B, D, E or F, may be followed by numbers and/or letters	Accessory Open type Safety Modules

Deborah Jennings-Conner
Deborah Jennings-Conner, VP Regulatory Services

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CERTIFICATE OF COMPLIANCE

Certificate Number UL-CA-L132659-4101-02015002-6
Report Reference E132659-20051020
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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CERTIFICATE OF COMPLIANCE

Certificate Number UL-CA-L132659-4101-02015002-6
Report Reference E132659-20051020
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
AC/AC or DC/AC Inverter Unit, Cat. No. E94, followed by a letter, followed by S, followed by a letter, followed by E, followed by 002, 003, 004, 007, 013, 017, 024 followed by numbers and/or letters.	Power Conversion Equipment
AC/DC Supply/Recovery Unit, Cat. No. E94, followed by RNE, followed by 013 or 024, followed by numbers and/or letters.	AC/DC Supply / Recovery Unit
Series E94 , Busbar Kit, E94AZJA, followed by 003, 007, 024, may be followed by numbers and/or letters.	Power conversion equipment, open type, modular systems "Series E94", consisting of
Communication Modules, E94AYC, followed by EC, EN, EO, EP, IB, ER, PM, CA, DN, ET may be followed by numbers and/or letters	Communication Modules
Communication Modules, E94AZCUS, followed by EC, EN, EO, EP, IB, ER, PM, CA, DN, ET may be followed by numbers and/or letters	Communication Modules
DC/AC Inverter Unit, Cat. No. E94, followed by a letter, followed by M, followed by a letter, followed by E, followed by 002, 003, 004, 007, 009, 013, 017, 024, 032 followed by numbers and/or letters.	Power Conversion Equipment
Diagnostic Adapter, Cat. No. E94AZCUS, may be followed by numbers and/ or letters	Accessory Open type Diagnostic Adapter
E94, followed by a letter followed by PNE, followed by 010 or 036, followed by numbers and/or letters.	Power Conversion Equipment
Feedback Module, Cat. No. E94AYFLF, may be followed by numbers and/ or letters.	Accessory Open type Feedback Module
Keypad, Cat. No. E94AZKAE, may be followed by numbers and/or letters.	Accessory Open type Keypad
Keypad, Cat. No. EZAEBK, may be followed by numbers and/or letters.	Accessory Open type Memory Modules
Memory Modules, Cat. No. E94AYM, followed by 1, 2, 3 or 4 may be followed by numbers and/or letters	Accessory Open type Memory Modules
Safety Modules, Cat. No. E94AYA, followed by A, B, D, E or F, may be followed by numbers and/or letters	Accessory Open type Safety Modules

Deborah Jennings-Conner
Deborah Jennings-Conner, VP Regulatory Services

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CERTIFICATE OF COMPLIANCE

Certificate Number 20160726-E132659
Report Reference E132659-20060414
Issue Date 2016-JULY-26

Issued to: LENZE AUTOMATION GMBH
HANS LENZE STR 1
31855 AERZEN GERMANY

**This is to certify that
representative samples of** POWER CONVERSION EQUIPMENT
Refer To Addendum Page For Models/Product.

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

Standard(s) for Safety: UL 61800-5-1 Standard For Adjustable Speed Electrical
Power Drive Systems - Part 5-1: Safety Requirements -
Electrical, Thermal and Energy
CAN/CSA C22.2 No. 274-13 Standard For 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
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CERTIFICATE OF COMPLIANCE

Certificate Number 20160726-E132659
Report Reference E132659-20060414
Issue Date 2016-JULY-26

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

Models/Product

USL/CNL –Power Conversion Equipment, Open Type, Accessory for modular system, Series E94, consisting of:

- Assembly Base, open type, Cat. No. E94AZP followed by M, P or S, followed by 003, 004, 007, 009, 010, 024 , 032 or 036, followed by numbers and/ or letters.
- DC Supply Point, Open type, E94AZEX100.
- Motor Brake Control, Cat. No. E94AZHX0051, E94AZHA0051 may be followed by numbers and/or letters.
- Communication Modules, Cat. Nos. E94AYCEC, E94AYCEN, E94AYCEP, E94AYCIB or E94AYCER may be followed by numbers and/ or letters.
- Diagnostic Adapter, Cat. No. E94AZCUS, may be followed by numbers and/ or letters.
- Memory Modules, Cat. No. E94AYM, followed by 1, 2, 3 or 4, may be followed by numbers and/or letters.
- Feedback Module, Cat. No. E94AYFLF, may be followed by numbers and/ or letters.



Bruce Mahrenholz, Director North American Certification Program
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CERTIFICATE OF COMPLIANCE

Certificate Number E132659
Report Reference E132659-20070712
Issue Date 2021-AUGUST-13

Issued to: LENZE SE
Hans-Lenze-Strasse 1
Aerzen 31855 Germany

**This certificate confirms that
representative samples of** POWER CONVERSION EQUIPMENT
See addendum page for models

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

Standard(s) for Safety: USL - Indicates Investigated to United States Standard
UL508C 3rd Edition – Listed.
CNL - indicates investigation to C22.2 No. 274-13

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.

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

Look for the UL Certification Mark on the product.



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CERTIFICATE OF COMPLIANCE

Certificate Number E132659
Report Reference E132659-20070712
Issue Date 2021-AUGUST-13

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

Open type, AC Drive

E94 followed by a letter followed by S, followed by two letter, followed by 145, followed by numbers and/or letters

E94 followed by a letter followed by S, followed by two letter, followed by 172, followed by numbers and/or letters

E94 followed by a letter followed by S, followed by two letter, followed by 202, followed by numbers and/or letters

E94 followed by a letter followed by S, followed by two letter, followed by 245, followed by numbers and/or letters

E94 followed by a letter followed by S, followed by two letter, followed by 292, followed by numbers and/or letters



Bruce Mahrenholz, Director North American Certification Program
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CERTIFICATE OF COMPLIANCE

Certificate Number E132659
Report Reference E132659-20070712
Issue Date 2021-OCTOBER-19

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

This certificate confirms that representative samples of Power Conversion Equipment
See Addendum Page(s) for Models

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

Standard(s) for Safety: UL508C Power Conversion Equipment
CAN/CSA C22.2 No. 274-17 Adjustable Speed Drives

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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CERTIFICATE OF COMPLIANCE

Certificate Number E132659
Report Reference E132659-20070712
Issue Date 2021-OCTOBER-19

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

Open type, AC Drive:

Model(s)

E94 followed by a letter followed by S, followed by two letter, followed by 366, followed by numbers and/or letters.

E94 followed by a letter followed by S, followed by two letter, followed by 460, followed by numbers and/or letters.



Bruce Mahrenholz, Director North American Certification Program
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CERTIFICATE OF COMPLIANCE

Certificate Number 20180504-E132659
Report Reference E132659-20070312
Issue Date 2018-MAY-04

Issued to: LENZE AUTOMATION GMBH
HANS LENZE STR 1
31855 AERZEN GERMANY

**This is to certify that
representative samples of** POWER CONVERSION EQUIPMENT
See addendum page for Models

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

Standard(s) for Safety: UL 61800-5-1 - STANDARD FOR ADJUSTABLE SPEED
ELECTRICAL POWER DRIVE SYSTEMS - PART 5-1:
SAFETY REQUIREMENTS - ELECTRICAL, THERMAL
AND ENERGY
CAN/CSA C22.2 No. 274-17 - 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.

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CERTIFICATE OF COMPLIANCE

Certificate Number 20180504-E132659
Report Reference E132659-20070312
Issue Date 2018-MAY-04

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

Models :

USL/CNL –Power Conversion Equipment, open type, Series E94, modular system, consisting of:

AC/AC Inverter Unit, open type, Cat. No. E94 followed by a letter, followed by S, followed by a letter, followed by E, followed by 032, 047, 059, 086 or 104, followed by numbers and/or letters.

DC/AC Inverter Unit, open type Cat.-No. E94 followed by a letter, followed by M, followed by a letter, followed by E, followed by 047 and 059, followed by numbers and/or letters.



Bruce Mahrenholz, Director North American Certification Program
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CERTIFICATE OF COMPLIANCE

Certificate Number 20160727-E132659
Report Reference E132659-20070515
Issue Date 2016-JULY-27

Issued to: LENZE AUTOMATION GMBH
HANS LENZE STR 1, 31855 AERZEN GERMANY

This is to certify that representative samples of COMPONENT - POWER CONVERSION EQUIPMENT
Refer To Addendum Page For Models/Product.

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

Standard(s) for Safety: UL 61800-5-1 Standard For Adjustable Speed Electrical Power Drive Systems - Part 5-1: Safety Requirements - Electrical, Thermal and Energy,
CAN/CSA C22.2 No. 274-13 Standard For 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.

The UL Recognized Component Mark generally consists of the manufacturer's identification and catalog number, model number or other product designation as specified under "Marking" for the particular Recognition as published in the appropriate UL Directory. As a supplementary means of identifying products that have been produced under UL's Component Recognition Program, UL's Recognized Component Mark:  may be used in conjunction with the required Recognized Marks. The Recognized Component Mark is required when specified in the UL Directory preceding the recognitions or under "Markings" for the individual recognitions.

Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for use as components of complete equipment submitted for investigation rather than for direct separate installation in the field. The final acceptance of the component is dependent upon its installation and use in complete equipment submitted to UL LLC.

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 20160727-E132659
Report Reference E132659-20070515
Issue Date 2016-JULY-27

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

Models/Product

USR/CNR – Power Conversion Equipment, Open Type, Accessory for modular system consisting of:

-Motor Brake Control, Cat. Nos. E94AZHN0025, E94AZHN0026 may be followed by numbers and/or letters.

-Motor Brake Control, Cat. Nos. E94AZHB0101, E94AZHY0025, E94AZHY0026 and E94AZHY0101 may be followed by numbers and/or letters.



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CERTIFICATE OF COMPLIANCE

Certificate Number UL-US-L132659-1103-02707002-5
Report Reference E132659-20070720
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: 2017-02-24

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 Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

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Deborah Jennings-Conner

Deborah Jennings-Conner, VP Regulatory Services

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CERTIFICATE OF COMPLIANCE

Certificate Number UL-US-L132659-1103-02707002-5
Report Reference E132659-20070720
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
Series E94, modular system , AC/DC Supply/Brake Unit, Cat. No. E94APNE, followed by 100 or 245, followed by numbers and/or letters.	Open Type

Deborah Jennings-Conner

Deborah Jennings-Conner, VP Regulatory Services

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CERTIFICATE OF COMPLIANCE

Certificate Number UL-CA-L132659-4103-02707002-5
Report Reference E132659-20070720
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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CERTIFICATE OF COMPLIANCE

Certificate Number UL-CA-L132659-4103-02707002-5
Report Reference E132659-20070720
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
Series E94, modular system , AC/DC Supply/Brake Unit, Cat. No. E94APNE, followed by 100 or 245, followed by numbers and/or letters.	Open Type

Deborah Jennings-Conner

Deborah Jennings-Conner, VP Regulatory Services

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CERTIFICATE OF COMPLIANCE

Certificate Number 20160419-E132659
Report Reference E132659-20060415
Issue Date 2016-APRIL-19

Issued to: LENZE AUTOMATION GMBH
HANS LENZE STR 1
31855 AERZEN GERMANY

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

POWER CONVERSION EQUIPMENT

Open Type, Accessory for modular system, Series E94,
consisting of: - Safety Modules, Cat. No. E94AYA, followed
by A, B,D, E or F may be followed by numbers or letters.

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.
CAN/CSA C22.2 No. 274-13, 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
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contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations>.



CERTIFICATE OF COMPLIANCE

Certificate Number 20121207-E132659A
Report Reference E132659-20121207
Issue Date 2012-DECEMBER-07

Issued to: LENZE AUTOMATION GMBH
HANS LENZE STR 1
31855 AERZEN GERMANY

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

COMPONENT - POWER CONVERSION EQUIPMENT
Diode Unit, open type, Cat. No. E94AZCDM, followed by
030 or 100.

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

Standard(s) for Safety:
Additional Information:

UL 508C, Power Conversion Equipment.
See the UL Online Certifications Directory at
www.ul.com/database for additional information

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

The UL Recognized Component Mark generally consists of the manufacturer's identification and catalog number, model number or other product designation as specified under "Marking" for the particular Recognition as published in the appropriate UL Directory. As a supplementary means of identifying products that have been produced under UL's Component Recognition Program, UL's Recognized Component Mark: , may be used in conjunction with the required Recognized Marks. The Recognized Component Mark is required when specified in the UL Directory preceding the recognitions or under "Markings" for the individual recognitions.

Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for use as components of complete equipment submitted for investigation rather than for direct separate installation in the field. The final acceptance of the component is dependent upon its installation and use in complete equipment submitted to UL LLC.

Look for the UL Recognized Component Mark on the product.



William R. Carney, Director, North American Certification Programs
UL LLC

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CERTIFICATE OF COMPLIANCE

Certificate Number 20160823-E132659
Report Reference E132659-20070119
Issue Date 2016-AUGUST-23

Issued to: LENZE AUTOMATION GMBH
HANS LENZE STR 1
31855 AERZEN, GERMANY

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

Power Conversion Equipment
AC Motor controllers;
E94ASxE1454, E94ASxE1724, E94ASxE2024,
E94ASxE2454, E94ASxE2924, E94ASxE3664,
E94ASxE4604, E94ASxE5724, E94ASxE6354,
E94ASxE6954

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

Standard(s) for Safety: UL 508C, Power Conversion Equipment
CAN/CSA C22.2 No. 274-13, Industrial Control Equipment
Additional Information: See the UL Online Certifications Directory at
www.ul.com/database for additional information

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Certification and Follow-Up Service.

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 20160727-E132659
Report Reference E132659-20060416
Issue Date 2016-JULY-27

Issued to: LENZE AUTOMATION GMBH
HANS LENZE STR 1
31855 AERZEN GERMANY

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

POWER CONVERSION EQUIPMENT

USL/CNL – Power Conversion Equipment, Open Type,
Accessory for modular system, Series E94, consisting of:

- Keypad, Cat. No. E94AZKAE, EZAEBK may be followed by numbers and/or letters.
- Communication Modules, Cat. Nos. E94AYCPM, E94AYCCA, E94AYCDN, E94AYCEO E94AYCER, E94AYCET may be followed by numbers and/or letters.

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

Standard(s) for Safety:

UL 61800-5-1 Standard For Adjustable Speed Electrical
Power Drive Systems - Part 5-1: Safety Requirements -
Electrical, Thermal and Energy,
CAN/CSA C22.2 No. 274-13 Standard For 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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