

# CERTIFICATE OF COMPLIANCE

**Certificate Number** 20190730-E139406  
**Report Reference** E139406-20190722  
**Issue Date** 2019-JULY-30

**Issued to:** ABB Industrial Connections and Solutions, LLC  
601 SHILOH RD  
PLANO TX 75074-7210

**This certificate confirms that  
representative samples of**

POWER DISTRIBUTION CENTERS FOR  
COMMUNICATIONS EQUIPMENT

Refer to addendum for models

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

**Standard(s) for Safety:**

ANSI/UL60950-1 - Information Technology Equipment -  
Safety - Part 1: General Requirements  
UL Subject 1801 - Outline of Investigation for Power  
Distribution Centers for Communications Equipment  
CAN/CSA-C22.2 No. 60950-1 - Information Technology  
Equipment - Safety - Part 1: General Requirements

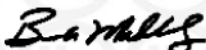
**Additional Information:**

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.



Bruce Mahrenholz, Director North American Certification Program

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 a local UL Customer Service Representative 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.

Power Distribution Center, Models NES48-23-AC(?) - PS##-DC%E-\$\$\$\$, NES2448—23-AC(?) - PS##-DC%E-####, NES4824-23-AC(?) - PS##-DC%E-####, NES4812-23-AC(?) - PS##-DC%E-####, and NES4824-23-AC5H-PS##-DC52A-M-LVBD-LVLD, with symbols defined below (Infinity S or Infinity NES-23in System).

Where (?) represents the AC input provided to each shelf:

5 – L126 shelf only (Two field-wiring two-feed , 4W+PE compartments)  
5H – L130 shelf only (Two field-wiring, two-feed , 4W+PE compartments)

Where ## represents the total number of power supplies:  
Equals 4 X number of shelves in system

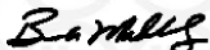
Note: NES2448-23, NES4824-23, and NES4812-23 models must have at least two shelves

Where \$\$\$\$ represents the low-voltage disconnect type:  
LVBD – low-voltage battery disconnect  
LVLD – low-voltage load disconnect  
“Blank” – low-voltage disconnect not provided

Where % represents the total number of DC distribution panels:  
1 – one DC distribution panel  
2 – two DC distribution panels

Where &&&& represents the low-voltage disconnect type:  
LVBD – low-voltage battery disconnect  
“Blank” – low-voltage disconnect not provided

All model numbers may be followed by suffixes representing non-safety affecting characteristics.



Bruce Mahrenholz, Director North American Certification Program

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NOTICE OF COMPLETION  
AND  
AUTHORIZATION TO APPLY THE UL MARK



July 19, 2019

MR. JAMES BROWN  
ABB Industrial Connections and Solutions, LLC  
601 SHILOH RD  
PLANO, TX, 75074-7210, US

Our Reference: File E139406 , Vol 1,2

Order: 12920855  
Project 4789064646  
:

Your Reference: 2472518615

Project Scope: Update NES 23 recognized system found in E139406,V2, sec. 46 to Listed file  
new report E139406 Vol 1 Sec 69

Dear MR. JAMES BROWN:

Congratulations! UL's investigation of your product(s) has been completed under the above Reference Number and the product was determined to comply with the applicable requirements. This letter temporarily supplements the UL Follow-Up Services Procedure and serves as authorization to apply the UL Mark at authorized factories under UL's Follow-Up Service Program. To provide your manufacturer(s) with the intended authorization to use the UL Mark, you must send a copy of this notice to each manufacturing location currently authorized under File E139406 , Vol 1,2.

Records in the Follow-Up Services Procedure covering the product are now being prepared and will be sent in the near future. Until then, this letter authorizes application of the UL Mark for 90 days from the date indicated above.

Additional requirements related to your responsibilities as the Applicant can be found in the document "Applicant responsibilities related to Early Authorizations" that can be found at the following web-site: <http://www.ul.com/EAResponsibilities>

Any information and documentation provided to you involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL.

We are excited you are now able to apply the UL Mark to your products and appreciate your business. Feel free to contact me or any of our Customer Service representatives if you have any questions.

Very truly yours,

Todd Bonfanti  
Staff Engineer  
Todd.A.Bonfanti@ul.com

Reviewed by:

Bruce A. Mahrenholz  
CPO Director  
Bruce.A.Mahrenholz@ul.com

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