



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: IECEx UL 15.0013U issue No.:0 Certificate history: _____

Status: **Current**

Date of Issue: **2015-04-29** Page 1 of 3

Applicant: **Emerson**
9377 W Higgins Rd.
Rosemont, IL 60018
United States of America

Electrical Apparatus: **Power Supplies, Model SDN 20-24-100C**
Optional accessory:

Type of Protection: **Non Sparking "nA", Sealed "nC"**

Marking: Ex nA nC IIC Gc

*Approved for issue on behalf of the IECEx
Certification Body:*

Erin LaRocco

Position:

Senior Project Engineer

*Signature:
(for printed version)*

Date:

2015-04-29

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

UL LLC
333 Pfingsten Road
Northbrook IL 60062-2096
United States of America





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Manufacturer: **Astec Power Philippines Inc (Subsidiary of Artesyn Embedded Technologies)**
Main Ave, Corner Road "J"
PEZA Complex, Rosario, 4106 Cavite
Philippines

Additional Manufacturing location
(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2011 Explosive atmospheres - Part 0: General requirements

Edition: 6.0

IEC 60079-15 : 2010 Explosive atmospheres - Part 15: Equipment protection by type of protection "n"

Edition: 4

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:

[US/UL/ExTR15.0022/00](#)

Quality Assessment Report:

[US/UL/QAR15.0004/00](#)

[US/UL/QAR15.0009/00](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

These are power supplies. They are intended for installation within an enclosure.

Schedule of Limitations

The power supplies shall be installed within an IP54 minimum enclosure that encloses exposed current-carrying parts (wiring terminals) and has been evaluated and is suitable for IECEx (evaluated to the requirements of IEC 60079 Ed. 6 and IEC 60079-15 Ed. 4).

Provision shall be made to prevent the rated voltage being exceeded by the transient disturbances of more than 140%

The operating temperature class (T-code) of this device was determined to be T4.

CONDITIONS OF CERTIFICATION: NO