



# 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](http://www.iecex.com)

Certificate No.:  issue No.:

Status:

Date of Issue: **2014-08-30** Page 1 of 3

Applicant: **Rockwell Automation/ Allen-Bradley**  
1201 S. 2nd Street  
Milwaukee, WI 53204  
**United States of America**

Electrical Apparatus: **1440 Series Modules**  
*Optional accessory:*

Type of Protection: **Non-Sparking "nA"**

Marking: Ex nA IIC T4 Gc  
-20°C to +70°C

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

Paul T. Kelly

*Position:*

Principal Engineer, Global Hazardous Locations

*Signature:  
(for printed version)*

*Date:*

2014-08-30

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





# IECEX Certificate of Conformity

Certificate No.: IECEx UL 14.0076X

Date of Issue: **2014-08-30**

Issue No.: **0**

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Manufacturer: **Rockwell Automation/ Allen-Bradley**  
1201 S. 2nd Street  
Milwaukee, WI 53204  
**United States of America**

Additional Manufacturing location  
(s):

**Rockwell Automation**  
1 Allen-Bradley Drive  
Mayfield Hts, Ohio 44124-  
6118  
United States of America

**Rockwell Automation**  
8440 Darrow Road  
Twinsburg, Ohio 44087  
United States of America

**Rockwell Automation**  
**Monterrey Mfg #1 Camino**  
**Vecinal S/N 3051 Parque**  
Industrial Finsa  
Guadalupe Aeropuerto  
Guadalupe NL  
Mexico

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/ExTR14.0106/00](#)

Quality Assessment Report:

[GB/ITS/QAR14.0009/00](#)  
[US/ETL/QAR12.0005/01](#)

[GB/ITS/QAR14.0010/00](#)

[GB/ITS/QAR14.0011/00](#)



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## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

Cat. No. 1440-DYN-01RJ is a 2-channel general purpose monitor that supports monitoring of shaft, casing, or pedestal vibration in rotating equipment. Inputs accepted include eddy current probe, standard integrated electronics piezoelectric (IEPE) accelerometer, or any voltage output measurement device such as a velocity or pressure transducer. In addition to vibration inputs, the module accepts a tachometer input to provide speed measurement and other analysis function. They dynamic measurement module mounts to a DIN rail/panel mounted base unit (Cat. NO. 1440-TBS-J) that provided terminations for all field wiring. Cat. No. 1440-TBS-J is a terminal base unit with spring type connections intended for connecting Dynamic Module (1440-DYN02-01RJ). The terminal base can be DIN rail or wall/panel mounted. Cat. No. 1440-ACNR XM ControlNet adapter is a communication adapter for XM modules. The 1440-ACNR is a master on the XMbus and thus has only one pin-header connector and therefore must the first module on the XMbus. It is not a stand-alone unit. The adapter provides an interface for controlling XM modules on an XM Bus and transferring data to the processor over a ControlNet network. This module features redundant media connections; whereby two separate coaxial networks are utilized to carry the exact same information. This feature allows the communications media operable even in the event of hardware failure on one network. The 1440-DYN02-01RJ Dynamic Measurement module is used with the 1440-ACNR. Any other XM catalog number will not work with the 1440-ACNR.

### CONDITIONS OF CERTIFICATION: YES as shown below:

- This equipment shall be mounted in an IECEx Zone 2 certified enclosure with a minimum ingress protection rating of at least IP54 (as defined in IEC 60529) and used in an environment of not more than Pollution Degree 2 (as defined in IEC 60664-1) when applied in Zone 2 environments. The enclosure must be accessible only by the use of a tool.
- Provision shall be made to prevent the rated voltage from being exceeded by transient disturbances of more than 140% of the rated voltage when applied in Zone 2 environments.
- This equipment must be used only with IECEx certified Rockwell Automation backplanes.
- Do not disconnect equipment unless power has been removed or the area is known to be non-hazardous.