



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 14.0076X Issue No: 2 Certificate history:
Status: **Current** Page 1 of 4 [Issue No. 2 \(2015-10-28\)](#)
Date of Issue: **2015-10-28** [Issue No. 1 \(2015-08-18\)](#)
[Issue No. 0 \(2014-08-30\)](#)
Applicant: **Rockwell Automation/ Allen-Bradley**
1201 South 2nd Street
Milwaukee, WI 53204
United States of America
Equipment: **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:*

Erin LaRocco

Position:

Senior Project Engineer

*Signature:
(for printed version)*

Date:

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](#).

Certificate issued by:

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



AB Parts



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Manufacturer: **Rockwell Automation/ Allen-Bradley**
1201 South 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	General Microcircuits Inc. 1133 N. Main Street P.O. Box 748 Mooresville, NC 28115 United States of America
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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 Edition:6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-15 : 2010 Edition:4	Explosive atmospheres - Part 15: Equipment protection by type of protection "n"

*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/ExTR14.0106/02

Quality Assessment Report:

GB/ITS/QAR14.0009/00

GB/ITS/QAR14.0010/00

GB/ITS/QAR14.0011/01

US/ETL/QAR12.0005/01

US/ETL/QAR15.0005/00



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Cat. No. 1440-DYN02-01RJ 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. The 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 be 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.

AB Parts



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Issue 1: Addition of General Microcircuits Inc. manufacturing location.

Issue 2: Correction to 1440-DYN02-01RJ model name and to series of the 1440-TBS-J and 1440-ACNR modules to series A.