



# IECEX Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: **IECEX UL 21.0034X** Page 1 of 3 [Certificate history:](#)  
Status: **Current** Issue No: 0  
Date of Issue: 2021-08-31  
Applicant: **Rockwell Automation**  
1201 S 2nd St Milwaukee, WI 53204  
**United States of America**  
Equipment: **Magnetically actuated safety switch, Ferrogard GD2-FRS21\*\***  
Optional accessory:  
Type of Protection: **Dust Ignition Protection by Enclosure "tb"**  
Marking: Ex tb IIIC T144°C Db  
-25°C to +100°C

Approved for issue on behalf of the IECEx  
Certification Body:

**Erin LaRocco**

Position:

**Staff 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 [www.iecex.com](http://www.iecex.com) or use of this QR Code.



Certificate issued by:

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





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Manufacturer: **Rockwell Automation**  
1201 S 2nd St Milwaukee, WI 53204  
**United States of America**

Additional manufacturing locations: **Rockwell Automation**  
Zona Franca De Las Americas  
KM22 Las Americas Avenue  
Santo Domingo  
**Dominican Republic**

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 equipment 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 60079-0:2017** Explosive atmospheres - Part 0: Equipment - General requirements  
Edition:7.0

**IEC 60079-31:2013** Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"  
Edition:2

This Certificate **does not** indicate compliance with 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/ExTR21.0035/00](#)

Quality Assessment Reports:

[GB/ITS/QAR14.0017/05](#)

[US/ETL/QAR12.0005/07](#)



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## **EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

The Ferrogard is a magnetically actuated safety switch that comprises one or two N/C safety contacts.

The housing is constructed from 304 graded stainless steel and the bottom face of housing is sealed with molding resin. The switch is fitted with a pre-assembled cable with unprepared cable end.

**Please see Annex for additional information.**

## **SPECIFIC CONDITIONS OF USE: YES as shown below:**

- The cable shall be terminated within a certified enclosure.
- The switch shall be installed with a metallic part facing outwards, thereby providing the non-metallic part with protection from impact, UV, and electrostatic charging.

## **Annex:**

[Annex to IECEx UL 21.0034X Issue 0.pdf](#)



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## TYPE DESIGNATION

Nomenclature:

Model Name	Model Number	Description
GD2-FRS21AC	440N-G02117	Magnetically actuated safety switch, 3m cable
GD2 FRS21DC	440N-G02123	Magnetically actuated safety switch, 3m cable
GD2 FRS21DC	440N-G02143	Magnetically actuated safety switch, 6m cable
GD2 FRS21DC	440N-G02137	Magnetically actuated safety switch, 10m cable
GD2 FRS21DC	440N-G02149	Magnetically actuated safety switch, 8 pin M12 micro

## PARAMETERS RELATING TO THE SAFETY

250 V AC, 2A or 24V DC, 1A

## MARKING

Marking has to be readable and indelible; it has to include the following indications:

