



# 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.: IECEx EXV 18.0024X

Issue No: 0

Certificate history:

[Issue No. 0 \(2018-12-06\)](#)

Status: **Current**

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Date of Issue: **2018-12-06**

Applicant: **Wath Group Ltd**  
Unit 1, Bedford Park  
Barnsley Road  
Wath-Upon-Dearne  
Rotherham  
S63 6DQ  
**United Kingdom**

Equipment: **2 Series Magnetic Switching Module**

*Optional accessory:*

Type of Protection: **Encapsulation Ex "mb"**

Marking:

Ex mb IIC T6 Gb

Ex mb IIIC T85°C Db

*See schedule for ambient range*

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

S Clarke CEng MSc MIET

*Position:*

Certification Manager

*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:

**ExVeritas Limited**  
Units 16-18 Abenbury Way  
Wrexham Ind. Est.  
Wrexham LL 139UZ  
United Kingdom





# IECEX Certificate of Conformity

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Manufacturer: **Wath Group Ltd**  
Unit 1, Bedford Park  
Barnsley Road  
Wath-Upon-Dearne  
Rotherham  
S63 6DQ  
**United Kingdom**

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

**IEC 60079-18 : 2014** Explosive atmospheres – Part 18: Equipment protection by encapsulation “m”  
Edition:4.0

*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:

[GB/EXV/ExTR18.0029/00](#)

Quality Assessment Report:

[GB/EXV/QAR17.0008/00](#)



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## Schedule

### EQUIPMENT:

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

The 2 Series Magnetic Switching Module is constructed from a robust stainless-steel housing, which contains the encapsulated components (resistors and switches). The equipment is supplied with a flying lead, which requires suitable termination at installation and can be supplied with various length cords. Different variations allow for the integration with a multitude of alarm and control systems.

### Ratings (max)

Variant 'A' 24V/0.25A/1.3W Tamb -30°C to +55°C

Variant 'C' 125V/0.5A/5W Tamb -30°C to +60°C

Variant 'D' 250V/1.0A/50W Tamb -30°C to +60°C

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

#### Special Conditions for Safe Use -Installer

- The control systems(s) must be provided with a suitable, non-resettable over current protection device(s) and their prospective short circuit rating further protected by appropriately rated mains supply.

#### Conditions for Use – manufacturer's requirements

- Each unit must be subjected to a visual inspection of the encapsulation compound in accordance with clause 9.1 of EN/IEC 60079-18. No visible damage of the compound shall be evident, such as cracks, exposure of the encapsulated parts, flaking, impermissible shrinkage, discoloration, swelling, decomposition, failure of adhesion or softening.
- A Dielectric strength test must be made on each unit in accordance with clause 9.2 of EN/IEC 60079-18 at 500Vac/700VDC for 1 second (50V rated equipment) or 1500Vac/2100Vdc for 1 second (125/250 V rated equipment). Alternatively, the test can be carried out at 1.2 times the test voltage for 100ms.

### Annex:

[Annex IECEx ExV18.0024X.pdf](#)

<b>Manufacturer's documents:</b>				
Title:	Drawing No.:	Rev	Sheets	Date:
Certification Arrangement	SX-ID-P2XXXX-CA	1	1 of 4	17/09/18
Certification Label	SX-ID-P2XXXX-CL	1	2 of 4	17/09/18
Certification Circuit Variations	SX-ID-P2XXXX-CV	1	3 of 4	17/09/18
General Arrangement	SX-ID-P2XXXX-GA	1	4 of 4	17/09/18

