



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

Certificate No.: **IECEX EXV 17.0018X** Page 1 of 4 [Certificate history:](#)
Issue 0 (2018-04-27)

Status: **Current** Issue No: 1

Date of Issue: 2019-12-10

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

Equipment: **Electromagnetic Lock (Magbar)**

Optional accessory:

Type of Protection: **Ex 'mb'**

Marking: Ex mb IIC T5/6 Gb
Ex mb IIIC T100/85°C Db
Tamb -40°C to +60/45°C

Approved for issue on behalf of the IECEx
Certification Body:

Sean Clarke CEng MSc FIET

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 www.iecex.com or use of this QR Code.



Certificate issued by:

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





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Manufacturer: **Wath Group Ltd**
Unit 1, Bedford Road
Barnsley Road
Wath-Upon -Dearne
Rotherham
S63 7DQ
United Kingdom

Additional
manufacturing
locations:

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 60079-0:2011 Explosive atmospheres - Part 0: General requirements
Edition:6.0

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

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 Reports:

[GB/EXV/ExTR17.0019/00](#)

[GB/EXV/ExTR19.0096/00](#)

Quality Assessment Report:

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



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Magbar's body is constructed from 316L stainless-steel, which contains the encapsulated electronics and electromagnetic coils. The silicon-steel core is partially exposed to facilitate the interlock with a separate metallic armature plate (keeper). The equipment is supplied with a flying lead, which requires suitable termination at installation and can be supplied with various length cords. Optional electronics allow for integration with different door sensing alarm and control systems.

Voltage: 12 or 24V dc

Current 0.8A or 0.4A

Fuse Required: 1A (12V) or 0.5A (24V)

SPECIFIC CONDITIONS OF USE: YES as shown below:

Special Conditions for Safe Use

- The electrical supply system must be provided with a suitable in line fuse and appropriate prospective short circuit protection to match the selected fuse.

Conditions of Manufacture

- 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 or 700VDC for 1 second. Alternatively, the test can be carried out at 1.2 times the test voltage for 100ms.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Issue 1

- The ambient range was extended from (-30°C to +55/40°C) to (-40°C to +60/45°C)

Annex:

[IECEX Certificate Annex iss1.pdf](#)

Manufacturer's documents:				
Title:	Drawing No.:	Rev	Sheets	Date:
7 Series Electromagnet Lock – Certification General Arrangement	SX-LS-P-7XXXXX-GA	2	1 of 4	25/01/18
7 Series Electromagnet Lock – Certification Label	SX-LS-P-7XXXXX-CL	3	2 of 4	14/11/19
7 Series Electromagnet Lock – Certification Circuit Variations	SX-LS-P-7XXXXX-CV	2	3 of 4	29/01/18
7 Series Electromagnet Lock – Certification Compound Arrangement	SX-LS-P-7XXXXX-CA	2	4 of 4	25/01/18

