

1 EU - Type Examination Certificate

2 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

3 Certificate Number: ExVeritas 17ATEX0289X Issue: 1

4 Equipment: ELECTOMAGNETIC LOCK (MAGBAR)

5 Manufacturer: WATH GROUP LTD

6 Address: UNIT 1, BEDFORD PARK
BARNSELY RD, WATH UPON DEARNE, ROTHERHAM,
ENGLAND, S63 6DQ

7 This equipment and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

8 ExVeritas, Notified Body number 2585 in accordance with Article 17 of the Council Directive 2014/34/EU of 26 February 2014, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to design and construction of equipment and protective systems for use in potentially explosive atmospheres given in Annex II to the Directive


9 Compliance with the applicable Essential Health and Safety Requirements has been assured by compliance with the following Standards and section 16 of this certificate:

EN 60079-0: 2012 + A1:2013 EN 60079-18: 2015

10 If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

11 This EU-Type Examination Certificate relates only to the design, construction, examination and tests of the specified equipment or protective system in accordance to the Directive 2014/34/EU. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

12 The marking of the equipment shall include the following:

 II 2 G Ex mb IIC T5/6 Gb
II 2 D Ex mb IIIC T100/85°C Db

Tamb -40°C to +60/45°C



No. 8613

On behalf of ExVeritas



S D'Henin
Certification Manager

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Schedule

13 Description of Equipment or Protective System

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
CURRENT: 0.8A or 0.4A
FUSE REQUIRED 1A (12V) OR 0.5A (24V)

13.1 Issue 1

The following changes are incorporated in issue 1 of the certificate

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

14 Descriptive Documents

14.1 Associated Report and Certificate History:

Report Number	Cert Issue Date	Issue	Comment
R1258A/1	25 April 2018	0	Initial issue of the Prime Certificate
R2460A/1	04 Dec 2019	1	First variation, see 13.1 for details

14.2 Compliance Drawings:

Issue 1

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

15 Conditions of Certification

15.1 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.

15.2 Conditions for Use

- 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.

16 Essential Health and Safety Requirements

Essential Health and Safety Requirements are addressed by the standards listed in section 9 and where required the report listed in section 14.1

The manufacturer shall inform the Notified Body of any modifications to the design of the product described by this schedule.

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