

1 EU - Type Examination Certificate

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

3 Certificate Number: ExVeritas 18ATEX0407X Issue: 0

4 Equipment: 2 Series Magnetic Switching Module

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 60079-0:2018 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 GD Ex mb IIC T6 Gb
Ex mb IIIC T85°C Db

Tamb -30 to +55/60°C



No. 8613



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Schedule

13 Description of Equipment or Protective System

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

14 Descriptive Documents

14.1 Associated Report and Certificate History:

Report Number	Cert Issue Date	Issue	Comment
R1453A/1	30 Nov 2018	0	Initial issue of the Prime Certificate

14.2 Compliance Drawings:

Issue 0

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

15 Conditions of Certification

15.1 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.

15.2 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.

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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