



# 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 BAS 06.0080X issue No.:3

Status: **Current**

Date of Issue: **2012-03-21** Page 1 of 4

Certificate history:  
Issue No. 3 (2012-3-21)  
Issue No. 2 (2008-12-4)  
Issue No. 1 (2007-9-5)  
Issue No. 0 (2007-1-1)

Applicant: **Xylem Flow Control Ltd**  
Patrick Gregory Road  
Wolverhampton  
West Midlands  
WV11 3DZ  
United Kingdom

Electrical Apparatus: **Type S4 Exm Solenoid Coil Operator**  
Optional accessory:

Type of Protection: **Increased Safety**


Marking: **Ex m II T5**

Approved for issue on behalf of the IECEx  
Certification Body:

 R S Sinclair 

Position: General Manager

Signature:  
(for printed version)

  
\_\_\_\_\_  
21/3/12  
\_\_\_\_\_

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:

**Baseefa (2001) Ltd.**  
Rockhead Business Park  
Staden Lane  
Buxton  
Derbyshire  
SK17 9RZ  
United Kingdom





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Manufacturer: **Xylem Flow Control Ltd**  
Patrick Gregory Road  
Wolverhampton  
West Midlands  
WV11 3DZ  
**United Kingdom**

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 electrical 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 : 2004** Electrical apparatus for explosive gas atmospheres - Part 0: General requirements  
Edition: 4.0

**IEC 60079-18 : 2004** Electrical apparatus for explosive gas atmospheres - Part 18: Construction, test and marking of type of protection encapsulation 'm' electrical apparatus  
Edition: 2.0

*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/BAS/ExTR06.0128/00

GB/BAS/ExTR07.0115/00

GB/BAS/ExTR08.0241/00

#### Quality Assessment Report:

GB/SIR/QAR07.0001/04



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## Schedule

### EQUIPMENT:

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

Type S4 Exm Solenoid Coil Operator rated at up to 230V, 16VA, d.c. or a.c. at 50Hz.

The apparatus enclosure comprises a steel housing and cover. The housing is fitted with a thermally fused encapsulated coil. A flange tube, which runs into and through the enclosure and coil, is provided at one end with an M8 nut which secures the cover to the housing. The other end of the flange tube is fitted to a valve body.

The inside of the flange tube houses a spring loaded, shuttle type armature, such that energising the coil causes the armature to move and thereby operate the valve.

Connection to the coil is provided by a 3 core flying lead, which enters the enclosure via a threaded conduit connection.

Internal and external earthing facilities are provided.

### CONDITIONS OF CERTIFICATION: YES as shown below:

The flying lead must be suitably protected against impact.

The flying lead must be terminated in a suitably certified enclosure or in a safe area.

The supply circuit must be protected by a fuse capable of withstanding a prospective short circuit current of 4000A.



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## DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

### Variation 3.1

This issue permits existing information (for example on Schedule Drawings) to be replaced by the revised certificate holders name. No other changes may be made to the certified design