



# 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 FMG 16.0015X Issue No: 0 Certificate history:  
Issue No. 0 (2016-04-15)

Status: **Current** Page 1 of 3

Date of Issue: **2016-04-15**

Applicant: **Flowserve US Inc Springville Operation**  
1350 North Mountain Springs Parkway  
Springville, UT 84663  
**United States of America**

Equipment: **32aaMD+28-bcde0-f-gh. Digital Positioner.**  
*Optional accessory:*

Type of Protection: **Intrinsic safety "ia", Non sparking nA**

Marking: Ex ia IIC T4 Ga Ta = -52°C to 85°C, T6 Ga Ta = -52°C to 45°C; IP65  
Ex ia IIIC T95°C Da Ta -52°C to 85°C; IP65  
Ex nA IIC T4 Gc Ta = -52°C to +85°C, T6 Gc Ta = -52°C to 45°C; IP65

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

J. E. Marquedant

*Position:*

Manager, Electrical Systems

*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:

**FM Approvals LLC**  
1151 Boston-Providence Turnpike  
Norwood, MA 02062  
United States of America





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Manufacturer: **Flowserve US Inc Springville Operation**  
1350 North Mountain Springs Parkway  
Springville, UT 84663  
**United States of America**

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 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:

<b>IEC 60079-0 : 2011</b> Edition:6.0	Explosive atmospheres - Part 0: General requirements
<b>IEC 60079-11 : 2011</b> Edition:6.0	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
<b>IEC 60079-15 : 2010</b> Edition:4	Explosive atmospheres - Part 15: Equipment protection by type of protection "n"
<b>IEC 60079-26 : 2014-10</b> Edition:3.0	Explosive atmospheres – Part 26: Equipment with Equipment Protection Level (EPL) Ga

*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:

[US/FMG/ExTR16.0017/00](#)

Quality Assessment Report:

[GB/FME/QAR16.0006/00](#)



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## Schedule

### EQUIPMENT:

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

#### **32aaMD+28-bcde0-f-gh. Digital Positioner.**

aa = Diagnostics: 00, 10 or 20

b = Housing: W, S, B or A

c = Conduit Connection: 1 or 2

d = Shaft: V, R or D

e = Action: 1, 2, 3, 4 or 5

f = Pressure Gauge: 0, 1, 2, 3, 4, A or B

g = Auxiliary Card slot 1: 0 or 1

h = Remote Mount: 0, A or S

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

- 1. To prevent the risk of electrostatic sparking the enclosure shall only be cleaned with a damp cloth.*
- 2. The Digital Positioner enclosure contains aluminum and is considered to present a potential risk of ignition by impact or friction. Care must be taken into account during installation and use to prevent impact or friction*
- 3. Provisions shall be made externally to provide transient overvoltage protection to a level not to exceed 140% of the peak rated input voltage.*
- 4. For type nA installation only air or inert gas may be connected to the air supply line.*