



Member of the FM Global Group

FM Approvals
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CERTIFICATE OF COMPLIANCE

HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

32aaMD+34-bcde0-f-gh. Digital Positioner.

IS/I,II,III/1/ABCDEFGH/T4 Ta = -52°C to 85°C, T6 Ta = -52°C to 45°C; - 346464; Entity; Type 4X, IP65;
I/O/AEx ia IIC/T4 Ta = -52°C to 85°C, T6 Ta = -52°C to 45°C; - 346464; Entity; Type 4X, IP65;
NI/II/2/ABCD/ T4 Ta = -52°C to 85°C, T6 Ta = -52°C to 45°C; Type 4X, IP65;

Entity Parameters:

	4-20 Input and Remote Mount HART 4-20 Input	MFC Card	Remote Mount Output	
Ui (V)	30	30	Uo (V)	5
Ii (mA)	100	100	Io (mA)	79
Pi (mW)	800	800	Po (mW)	129
Ci (nF)	0	0	Co (µF)	2
Li (µH)	47	0	Lo (µH)	100

- 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

Specific Conditions of Use:

1. To avoid possibility of static discharge clean only 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.
5. Using the box provided on the nameplate, the User shall permanently mark the type of protection chosen for the specific installation. Once the type of protection has been marked it shall not be changed.

To verify the availability of the Approved product, please refer to www.approvalguide.com



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Equipment Ratings:

Intrinsically Safe for Class I, II, III Division 1, Groups A, B, C, D, E, F and G in accordance with drawing 346464; Intrinsically Safe for Class I, Zone 0, AEx ia IIC in accordance with drawing 346464; Nonincendive for Class I, Division 2, Group A, B, C and D hazardous (classified) locations, Type 4X, IP65.

FM Approved for:

Flowsolve US Inc
Springville, UT United States



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This certifies that the equipment described has been found to comply with the following Approval Standards and other documents:

Class 3600	2011
Class 3610	2010
Class 3611	2004
Class 3810	2005
ANSI/ISA 60079-0	2013
ANSI/ISA 60079-11	2014
ANSI/IEC 60529	2004

Original Project ID: 0003056334

Approval Granted: April 15, 2016

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
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FM Approvals LLC

J.E. Marquedant
Manager of Electrical Systems

15 April 2016

Date