



# IECEX Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: **IECEX FMG 13.0007X** Page 1 of 4 Certificate history:  
Status: **Current** Issue No: 3 [Issue 2 \(2021-01-08\)](#)  
Date of Issue: 2022-01-11 [Issue 1 \(2017-07-18\)](#)  
[Issue 0 \(2015-11-18\)](#)  
Applicant: **Neles USA Inc. dba StoneL**  
26271 US Hwy 59  
Fergus Falls MN 56537  
**United States of America**  
Equipment: **Series HX Valve Position Sensor**  
Optional accessory:  
Type of Protection: **See "Equipment" Section for details**  
Marking: **See "Equipment" Section for details**

Approved for issue on behalf of the IECEx  
Certification Body:

**J. E. Marquedant**

Position:

**VP, 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 [www.iecex.com](http://www.iecex.com) or use of this QR Code.



Certificate issued by:

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





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Page 2 of 4

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Manufacturer: **Neles USA Inc. dba StoneL**  
26271 US Hwy 59  
Fergus Falls MN 56537  
**United States of America**

Additional manufacturing locations:

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 equipment 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 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements  
Edition:7.0

[IEC 60079-1:2014-06](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"  
Edition:7.0

[IEC 60079-11:2011](#) Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"  
Edition:6.0

[IEC 60079-31:2013](#) Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"  
Edition:2

This Certificate **does not** indicate compliance with 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 Reports:

[US/FMG/ExTR13.0007/00](#)  
[US/FMG/ExTR13.0007/03](#)

[US/FMG/ExTR13.0007/01](#)

[US/FMG/ExTR13.0007/02](#)

Quality Assessment Reports:

[GB/FME/QAR20.0004/00](#)

[GB/FME/QAR20.0004/01](#)

[GB/FME/QAR20.0004/02](#)



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Certificate No.: **IECEX FMG 13.0007X**

Page 3 of 4

Date of issue: 2022-01-11

Issue No: 3

## EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

### **HX-aT03Se-xxx. Valve Position Sensor.**

Ex db IIC T5 Ta=-40°C to +80°C Gb

Ex db IIC T6 Ta=-40°C to +65°C Gb

Ex tb IIIC T100°C Ta=-40° C to +80 °C Db

IP66 / IP68

a = Function 35.

e = Branding A or M.

xxx = Options "Special Unit Digits"

Note: 'Special Unit Digits' do not affect the integrity of the housing, the electrical safety, or the title plate.

### **HX-aT03Se-xxx. Valve Position Sensor.**

Ex db IIC T5 Ta=-40°C to +80°C Gb

Ex db IIC T6 Ta=-40°C to +65°C Gb

Ex tb III C T100°C Ta=-40° C to +80°C Db

Ex ia IIC T5 Ta=-40°C to +80°C Ga

Ex ia IIC T6 Ta=-40°C to +65°C Ga

Ex ia III C T135°C Ta=-40° C to +80 °C Da

IP66 / IP68

a = Function 45.

e = Branding A or M.

xxx = Options "Special Unit Digits"

Note: 'Special Unit Digits' do not affect the integrity of the housing, the electrical safety, or the title plate.

### **HX-aTcSe-xxx. Valve Position Sensor.**

Ex ia IIC T5 Ta=-40°C to +80°C Ga

Ex ia IIC T6 Ta=-40°C to +65°C Ga

Ex ia III C T135°C Ta=-40°C to +80°C Da

IP66 / IP68

a = Function 45.

c = Junction 01 or 02.

e = Branding A or M.

xxx = Options "Special Unit Digits"

Note: 'Special Unit Digits' do not affect the integrity of the housing, the electrical safety, or the title plate.

## **SPECIFIC CONDITIONS OF USE: YES as shown below:**

1. The integral supply cable shall be mechanically protected and terminated in a suitable terminal or junction facility.
2. Using the box provided on the HX45T03S 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.
3. The earth bonding connection shall be maintained by either the external mounting thread and/or the earthing wire of the integral cable.



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Certificate No.: **IECEX FMG 13.0007X**

Page 4 of 4

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**DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)**

1. Update IEC 60079-0:2011 to IEC 60079-0:2017.
2. Replace Stycast 2651 w/Catalyst 9 with Epic Resins D9970 in Sensor body.