



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

Certificate No.: **IECEx FMG 13.0007X** Page 1 of 4 Certificate history:
Status: **Current** Issue No: 2 [Issue 1 \(2017-07-18\)](#)
[Issue 0 \(2015-11-18\)](#)
Date of Issue: 2021-01-08
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 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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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 60079-0:2011 Explosive atmospheres - Part 0: General requirements
Edition:6.0

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/ExTR13.0007/01](#)

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

Quality Assessment Report:

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



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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 T100°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 T100°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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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Name Change from StoneL to Neles USA Inc. dba StoneL

Updated IEC 60079-1:2007 Ed.6 to IEC 60079-1:2014 Ed.7

Minor Drawing updates