

# CERTIFICATE OF CONFORMITY



1. **HAZARDOUS LOCATION ELECTRICAL EQUIPMENT PER CANADIAN REQUIREMENTS**
2. **Certificate No:** FM20CA0084
3. **Equipment:** Series HX Valve Position Sensor  
(Type Reference and Name)
4. **Name of Listing Company:** Neles USA Inc. dba StoneL
5. **Address of Listing Company:** 26271 US Hwy 59  
Fergus Falls MN 56537  
United States
6. The examination and test results are recorded in confidential report number:  
  
3056172 dated 30<sup>th</sup> October 2015
7. FM Approvals LLC, certifies that the equipment described has been found to comply with the following Approval standards and other documents:  
  
CSA-C22.2 No. 0.4:2017, CSA-C22.2 No. 0.5:2016, CSA-C22.2 No. 25:2017,  
CSA-C22.2 No. 30:2020, CSA-C22.2 No. 94:R2011, CSA-C22.2 No. 60529:2016,  
CAN/CSA-C22.2 No. 60079-0:2015, CAN/CSA-C22.2 No. 60079-11:2014,  
CAN/CSA-C22.2 No. 61010-1:2012
8. If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to specific conditions of use specified in the schedule to this certificate.
9. This certificate relates to the design, examination and testing of the products specified herein. The FM Approvals surveillance audit program has further determined that the manufacturing processes and quality control procedures in place are satisfactory to manufacture the product as examined, tested and Approved.
10. **Equipment Ratings:**  
  
**Option "35"**  
Explosionproof for Class I, Division 1, Groups A, B, C and D, Temperature Class T5; Tamb = -40°C to +80°C; Dust-Ignition-Protected for Class II and III, Division 1, Groups E, F and G, Temperature Class T5; Tamb = -40°C to +80°C; Hazardous Locations; Type 4, 4X, 6

## Certificate issued by:

J.E. Marquedant  
VP, Manager - Electrical Systems

8 January 2021

Date

To verify the availability of the Approved product, please refer to [www.approvalguide.com](http://www.approvalguide.com)

**THIS CERTIFICATE MAY ONLY BE REPRODUCED IN ITS ENTIRETY AND WITHOUT CHANGE**

FM Approvals LLC. 1151 Boston-Providence Turnpike, Norwood, MA 02062 USA  
T: +1 (1) 781 762 4300 F: +1 (1) 781 762 9375 E-mail: [information@fmapprovals.com](mailto:information@fmapprovals.com) [www.fmapprovals.com](http://www.fmapprovals.com)

# SCHEDULE



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## **Option "45"**

Explosionproof for Class I, Division 1, Groups A, B, C and D, Temperature Class T5; Tamb = -40°C to +80°C; Dust-Ignition-Protected for Class II and III, Division 1, Groups E, F and G, Temperature Class T5; Tamb = -40°C to +80°C; Intrinsically Safe for Class I, II and III, Division 1, Groups A, B, C, D, E, F and G, Temperature Class T5; Tamb = -40°C to +80°C when installed per Control Drawing 105348; Hazardous Locations; Type 4, 4X, 6

11. The marking of the equipment shall include:

## **Option "35"**

XP CI I, Div 1, Gp ABCD  
DIP CI II-III, Div 1, Gp EFG  
Type 4, 4X, 6  
-40°C to +80°C

## **Option "45"**

XP CI I, Div 1, Gp ABCD  
DIP CI II-III, Div 1, Gp EFG  
IS CI I-II-III, Div 1, Gp ABCGEFG  
Type 4, 4X, 6  
-40°C to +80°C  
Installed per Control Drawing 105348

12. **Description of Equipment:**

**General** - The Hawkeye Series HX Magnetic Proximity Sensor is intended for point sensing in an explosive atmosphere. The sensing head triggers on a magnetic target at distances up to 4-6 mm, depending on target material.

**Construction** - The sensor body is machined from 316 stainless steel.

**Field Wiring** – Access to field wiring is by way of pigtailed extending through a single ½-inch NPT conduit opening. The sensor is encapsulated.

**Operating Temperature Range** - The Hawkeye Series HX Magnetic Proximity Sensor is for use in an ambient range of Tamb = -40°C to +80°C.

The specific models described by this Certificate are as follows:

### ***HXaS01Se-xxx. Valve Position Sensor.***

a = Function 35 or 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.

13. **Specific Conditions of Use:**

None

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Canadian Certificate Of Conformity No: FM20CA0084

**14. Test and Assessment Procedure and Conditions:**

This Certificate has been issued in accordance with FM Approvals Canadian Certification Scheme.

**15. Schedule Drawings**

A copy of the technical documentation has been kept by FM Approvals.

**16. Certificate History**

Details of the supplements to this certificate are described below:

Date	Description
30 <sup>th</sup> October 2015	Original Issue.
8 <sup>th</sup> January 2021	<u>Supplement 1:</u> Report Reference: – RR226079 dated 8 <sup>th</sup> January 2021. Description of the Change: 1. Certificate converted to new format. Cert number changed from 3056172C to FM20CA0084. 2. Name change from StoneL to Neles USA Inc. dba StoneL. 3. Minor Drawing updates. 4. Update standards CSA-C22.2 No. 0.4:R2013 to 2017, CSA-C22.2 No. 0.5:2016, CSA-C22.2 No. 25:2017, C22.2 No. 60529:R2010 to 2016, CSA-C22.2 No. 30:R2012 to 2020.

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