

CERTIFICATE OF CONFORMITY



1. **HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT PER US REQUIREMENTS**
2. **Certificate No:** FM20US0163
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 30th October 2015
7. FM Approvals LLC, certifies that the equipment described has been found to comply with the following Approval standards and other documents:

FM Class 3600:2018, FM Class 3610:2010, FM Class 3615:2018, FM Class 3616:2011;
FM Class 3810:2005, ANSI/NEMA 250:2003, ANSI/ISA 60079-0:2009; ANSI/ISA 60079-11:2009;
ANSI/IEC 60529:2004, ANSI/UL 61010:2004
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-Ignitionproof for Class II and III, Division 1, Groups E, F and G, Temperature Class T5; Tamb = -40°C to +80°C; Hazardous (Classified) 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

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

FM Approvals LLC. 1151 Boston-Providence Turnpike, Norwood, MA 02062 USA
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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-Ignitionproof 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 (Classified) 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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14. Test and Assessment Procedure and Conditions:

This Certificate has been issued in accordance with FM Approvals US Certification Requirements.

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 th October 2015	Original Issue.
8 th January 2021	Supplement 1: Report Reference: – RR226079 dated 8 th January 2021. Description of the Changes: 1. Certificate converted to new format. Cert number changed from 3056172 to FM20US0163. 2. Name change from StoneL to Neles USA Inc. dba StoneL. 3. Minor Drawing updates. 4. Changed FM3600:2011 to 2018, FM3615:2006 to 2018.

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