

1 EU-TYPE EXAMINATION CERTIFICATE



2 **Equipment or Protective systems intended for use in Potentially Explosive Atmospheres - Directive 2014/34/EU**

3 **EU-Type Examination Certificate No:** FM20ATEX0019X

4 **Equipment or protective system:** Series ANX
(Type Reference and Name) Valve Position Monitor

5 **Name of Applicant:** Neles USA Inc. dba StoneL

6 **Address of Applicant:** 26271 US Hwy 59
Fergus Falls MN 56537
United States of America

7 This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and documents therein referred to.

8 FM Approvals Europe Ltd, notified body number 2809 in accordance with Article 17 of Directive 2014/34/EU of 26 February 2014, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential report number:

PR452896 dated 16th March 2021

9 Compliance with the Essential Health and Safety Requirements, with the exception of those identified in item 15 of the schedule to this certificate, has been assessed by compliance with the following documents:

EN IEC 60079-0:2018, EN 60079-1:2014, EN 60529:1991+A1:2000+A2:2013

10 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.

11 This EU-Type Examination certificate relates only to the design, examination and tests of the specified equipment or protective system in accordance to the directive 2014/34/EU. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

12 The marking of the equipment or protective system shall include:



II 2 G Ex db IIC T6...T5 Gb

T6 = -40 °C ≤ Ta ≤ +65 °C

T5 = -40 °C ≤ Ta ≤ +80 °C



Richard Zammitt
Certification Manager, FM Approvals Europe Ltd.

Issue date: 19th March 2021

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

FM Approvals Europe Limited, One Georges Quay Plaza, Dublin, Ireland. D02 E440
T: +353 (0) 1761 4200 E-mail: atex@fmapprovals.com www.fmapprovals.com

F ATEX 020 (Dec/2020)



SCHEDULE



Member of the FM Global Group

to EU-Type Examination Certificate No. FM20ATEX0019X

13 Description of Equipment or Protective System:

The Series ANX Limit Switch is a valve communication and control device for quarter-turn pneumatic valves. Internally mounted pilot valves control a main flow spool valve to operate the pneumatic valve to which this product is intended to be attached. The control modules and up to two pilot valves are housed inside a single flameproof compartment. All pneumatic lines are provided with flame arrestors and the enclosure is vented through additional flame arrestors.

Ingress Protection Rating: IP66

***ANX*abcdefgh-h. Valve Position Monitor**

a = Function 35S, 35W, 45S, 92S, 92W, 96S, 97S, or 97W.

b = Solenoid 1, 2, or 9.

c = Override X, N, M, L, E, Y, or G.

d = Enclosure V, G, R, or H.

e = Conduit entries 02, 05, 08, or 09.

f = Visual indication X, G, R, 1, or 2.

g = Branding A or M

h = special option digits (do not affect explosion safety)

14 Specific Conditions of Use:

1. To minimize the risk of electrostatic sparking, the equipment shall be cleaned only with a damp cloth.
2. Consult the manufacturer if dimensional information on the flameproof joints is necessary.
3. Applications in atmospheres containing Carbon Disulphide (CS₂) is not permitted.

15 Essential Health and Safety Requirements:

The relevant EHSRs that have not been addressed by the standards listed in this certificate have been identified and assessed in the confidential report identified in item 8.

16 Test and Assessment Procedure and Conditions:

This EU-Type Examination Certificate is the result of testing of a sample of the product submitted, in accordance with the provisions of the relevant specific standard(s), and assessment of supporting documentation. It does not imply an assessment of the whole production.

Whilst this certificate may be used in support of a manufacturer's claim for CE Marking, FM Approvals Europe Ltd accepts no responsibility for the compliance of the equipment against all applicable Directives in all applications.

This Certificate has been issued in accordance with FM Approvals Europe Ltd's ATEX Certification Scheme.

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17 **Schedule Drawings**

A list of the significant parts of the technical documentation is annexed to this certificate and a copy has been kept by the Notified Body. The documents are maintained under project PR452102.

18 **Certificate History**

Details of the supplements to this certificate are described below:

Date	Description
19 th March 2021	Original Issue.

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SCHEDULE



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17 **Schedule Drawings**

A list of the significant parts of the technical documentation is annexed to this certificate and a copy has been kept by the Notified Body. The documents are maintained under project PR452102.

18 **Certificate History**

Details of the supplements to this certificate are described below:

Date	Description
19 th March 2021	Original Issue.

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Blueprint Report

Neles USA Inc. dba StoneL (1000001486)

Class No IEC

Original Project I.D. 452102

Certificate I.D. FM20ATEX0019X

<u>Drawing No.</u>	<u>Revision Level</u>	<u>Drawing Title</u>	<u>Last Report</u>	<u>Electronic Drawing</u>
000217	A	Model Desc AXIOM ANX – ATEX/IECEX	PR452896	Yes (pdf)
105397	D	Electrical Info AXIOM ANX	PR452896	Yes (pdf)
105474	A	Enclosure AXIOM ANX	PR452896	Yes (pdf)
105476	A	Prod Marking AXIOM ANX - ATEX/IECEX	PR452896	Yes (pdf)
105479	A	IOM – AXIOM ANX	PR452896	Yes (pdf)
110027	A	Specification, Anodizing	PR452896	Yes (pdf)
110036	B	Specification, Paint, AXIOM	PR452896	Yes (pdf)
200237	B	Schematic, Universal Solenoid	PR452896	Yes (pdf)
200246	C	Schematic, AN35 SST	PR452896	Yes (pdf)
200253	D	Schematic, IS Solenoid	PR452896	Yes (pdf)
200254	B	Schematic, AN45	PR452896	Yes (pdf)
200255	C	Schematic, AXIOM AN ASi	PR452896	Yes (pdf)
200256	C	Schematic, AXIOM 92	PR452896	Yes (pdf)
200281	D	Schematic, AXIOM AN35	PR452896	Yes (pdf)
200306	B	Schematic, AN45	PR452896	Yes (pdf)
407159	B	O-Ring, 130 X 135 X 2.5	PR452896	Yes (pdf)
409182	B	Flame Arrestor, 15 X 5	PR452896	Yes (pdf)
409183	B	Flame Arrestor, 3 X 5	PR452896	Yes (pdf)
409206	A	Check Valve, Duck Bill	PR452896	Yes (pdf)
418444	D	Assembly, DC Input Solenoid	PR452896	Yes (pdf)
418455	D	PCB, IS Solenoid	PR452896	Yes (pdf)
418456	I	Assembly, IS Solenoid	PR452896	Yes (pdf)
418474	C	PCB, Universal Driver	PR452896	Yes (pdf)
418475	J	Assembly, Universal Solenoid	PR452896	Yes (pdf)
418476	D	PBC, AXIOM AN35	PR452896	Yes (pdf)
418477	D	Assembly, AXIOM 35	PR452896	Yes (pdf)
418478	C	PCB, AXIOM AN45	PR452896	Yes (pdf)
418479	D	Assembly, AXIOM 45	PR452896	Yes (pdf)
418480	C	PCB, AXIOM AN ASi	PR452896	Yes (pdf)
418481	F	PCB Assembly, AXIOM AN ASi	PR452896	Yes (pdf)
418482	C	PCB, AXIOM AN92	PR452896	Yes (pdf)
418483	H	PCB Assembly, AXIOM AN92	PR452896	Yes (pdf)
418504	D	PCB, AXIOM AN35	PR452896	Yes (pdf)
418505	D	PCB Assembly, AXIOM AN35	PR452896	Yes (pdf)
418527	B	PCB, AXIOM 45	PR452896	Yes (pdf)
418528	B	PCB Assembly, AXIOM 45	PR452896	Yes (pdf)
432038	B	Urethan Potting	PR452896	Yes (pdf)
433058	B	Seal, AXIOM End Caps	PR452896	Yes (pdf)
433063	C	Seal, AXIOM Manifold Plate	PR452896	Yes (pdf)
434379	E	Coil, Universal Solenoid	PR452896	Yes (pdf)
434381	H	Coil, IS Low Cost	PR452896	Yes (pdf)
434382	C	Coil IS Low Cost, Overmolded	PR452896	Yes (pdf)