



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 12.0025X	Page 1 of 5	<u>Certificate history:</u>
Status:	Current	Issue No: 3	Issue 2 (2017-06-22)
Date of Issue:	2020-11-06		Issue 1 (2016-09-14)
Applicant:	Neles USA Inc. dba StoneL 26271 US Hwy 59 Fergus Falls MN 56537 United States of America		Issue 0 (2012-10-10)
Equipment:	Series AX Limit Switch		
Optional accessory:			
Type of Protection:	Flameproof enclosures "d"		
Marking:	Ex db IIC T4...T6 -40°C ≤ Ta ≤ +80°C Gb IP66 / IP67 IECEx FMG 12.0025X		

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

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/ExTR12.0028/00](#)
[US/FMG/ExTR12.0028/03](#)

[US/FMG/ExTR12.0028/01](#)

[US/FMG/ExTR12.0028/02](#)

Quality Assessment Report:

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



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

AXabcSefgh-xxx. Axiom Limit Switch.

Ex db IIC T5 Ta=-18°C to +50°C Gb

Ex db IIC T6 Ta=-18°C to +35°C Gb

IP66 / IP67

- a = Function 33S, 44S, 92S, 93S, 94S, 96S, or 97S.
- b = Solenoid 11, 1B, 1D, 1E, 1H, 2B, 2D, 2E, or 2H.
- c = Override X, N, M, L, E, Y, or G.
- e = Enclosure V or T.
- f = Conduit Entries 02 or 05.
- g = Visual Indicator R, G, X, 1, or 2.
- h = 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.

AXabcSefgh-xxx. Axiom Limit Switch.

Ex db IIC T5 Ta=-10°C to +60°C Gb

Ex db IIC T6 Ta=-10°C to +45°C Gb

IP66 / IP67

- a = Function 33S, 44S, 92S, 93S, 94S, 96S, or 97S.
- b = Solenoid 1A or 2A.
- c = Override X, N, M, L, E, Y, or G.
- e = Enclosure V or T.
- f = Conduit Entries 02 or 05.
- g = Visual Indicator R, G, X, 1, or 2.
- h = 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.

AXabcTefgh-xxx. Axiom Limit Switch.

Ex db IIC T5 Ta=-40°C to +80°C Gb

Ex db IIC T6 Ta=-40°C to +65°C Gb

IP66 / IP67

- a = Function 33S, 44S, 93S, or 94S.
- b = Solenoid 11, 1B, 1D, 1E, 1H, 2B, 2D, 2E, or 2H.
- c = Override X, N, M, L, E, Y, or G.
- e = Enclosure V or T.
- f = Conduit Entries 02 or 05.
- g = Visual Indicator R, G, X, 1, or 2.
- h = 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. 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. Application in atmospheres containing Carbon Disulphide (CS₂) is not permitted.



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Equipment (continued):

AXabcTefgh-xxx. Axiom Limit Switch.

Ex db IIC T4 Ta=-40°C to +80°C Gb

Ex db IIC T5 Ta=-40°C to +60°C Gb

Ex db IIC T6 Ta=-40°C to +40°C Gb

IP66 / IP67

a = Function 92S, 96S, or 97S.

b = Solenoid 11, 1B, 1D, 1E, 1H, 2B, 2D, 2E, or 2H.

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

e = Enclosure V or T.

f = Conduit Entries 02 or 05.

g = Visual Indicator R, G, X, 1, or 2.

h = 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.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Issue 03:

Company name change from "StoneL" to "Neles USA Inc. dba StoneL"