



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 18.0017X** Page 1 of 4 Certificate history:
Status: **Current** Issue No: 2 Issue 1 (2018-10-23)
Issue 0 (2018-09-06)
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: **Model PRISM PI Series**
Optional accessory:
Type of Protection: **Intrinsic Safety 'ia'**
Marking: Ex ia IIC T5 Ga
Ex ia IIIC T100°C Da
-20°C ≤ Ta ≤ +60°C
IP66 / IP67

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 60079-11:2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

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/ExTR18.0016/00](#)

[US/FMG/ExTR18.0016/01](#)

[US/FMG/ExTR18.0016/02](#)

Quality Assessment Report:

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



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

PI45SaSVbcdef Valve Position Monitor

a = 11 and 1N (Solenoid)

b = 01, 02, 04, 05, 10, 11, 13, 15, 19, 20 and 21(Junction)

c = X, 0, G and R (Visual Indicator)

d = S and L (Stroke)

e = A, M, T, B, C, D and E (Branding)

f = X (Special and Marketing ID Digits not affecting the integrity of the housing, the electrical safety, or the title plate. Up to 5 Alpha and Numeric Digits after Model No.)

Entity Parameters:

Solenoid Option a = 11

Sensors: U_i (Vmax) = 22 Vdc; I_i (Imax) = 120 mA; P_i = 0.4 W; C_i = 3 nF; L_i = 0 H

Solenoid Junction Terminals: U_i (Vmax) = 28 Vdc; I_i (Imax) = 120 mA; C_i = 0 F; L_i = 0 H

Solenoid Option a = 1N

Entity Parameters:

Sensors: U_i (Vmax) = 22 Vdc; I_i (Imax) = 120 mA; P_i = 0.4 W; C_i = 3 nF; L_i = 0 H

Solenoid: U_i (Vmax) = 28 Vdc; I_i (Imax) = 120 mA; P_i = 0.84 W; C_i = 3 nF; L_i = 0 H

The optical radiation output of the apparatus with respect to explosion protection is covered in this certificate based on Exception [1] to the scope of IEC 60079-28:2015.

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. To prevent the risk of electrostatic sparking, the equipment enclosure shall be cleaned only with a damp cloth.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Update company name from StoneL to Neles USA Inc. dba StoneL

Minor drawing updates

Updates QAR Number