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

Ex COMPONENT CERTIFICATE

Certificate No.: **IECEx SIR 15.0109U**

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Certificate history:
Issue 2 (2021-04-07)
Issue 1 (2020-11-11)
Issue 0 (2015-10-06)

Status: **Current**

Issue No: 3

Date of Issue: 2022-05-03

Applicant: **Pyromation Incorporated**
5211 Industrial Rd
Fort Wayne, IN 46825
United States of America

Ex Component: Enclosures, Models 93C, 93C-AD, 93D, 93D-AD, 94C & 94D

This component is NOT intended to be used alone and requires additional consideration when incorporated into other equipment or systems for use in explosive atmospheres (refer to IEC 60079-0).

Type of Protection: **Flameproof db and Dust Protection by Enclosure tb**

Marking:

Ex db IIC Gb

Ex tb IIIC Db

Ta = -20˚C to +100˚C (Models 93C & 93D)

Ta = -20˚C to +100˚C (Models 93C-AD & 93D-AD)

Ta = -40˚C to +100˚C (Models 94C & 94D)

Approved for issue on behalf of the IECEx Certification Body: **Michelle Halliwell**

Position: **Director Operations, UK & Industrial Europe**

Signature:
(for printed version)

Date:
(for printed version)

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:

CSA Group Testing UK Ltd
Unit 6, Hawarden Industrial Park
Hawarden, Deeside CH5 3US
United Kingdom

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Manufacturer: **Pyromation Incorporated**
5211 Industrial Rd
Fort Wayne, IN 46825
United States of America

Manufacturing locations: **Pyromation Incorporated**
5211 Industrial Rd
Fort Wayne, IN 46825
United States of America

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 component 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 60079-0:2017 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

IEC 60079-1:2014-06 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

IEC 60079-31:2013 Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

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 component listed has successfully met the examination and test requirements as recorded in:

Test Reports:

GB/SIR/ExTR15.0262/00 GB/SIR/ExTR20.0205/00 GB/SIR/ExTR21.0061/00
GB/SIR/ExTR22.0028/00

Quality Assessment Report:

GB/SIR/QAR15.0011/05

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Ex Component(s) covered by this certificate is described below:

The Pyromation Models 93C, 93C-AD, 93D, 93D-AD, 94C and 94D are flameproof and dust-ignitionproof enclosures. The 93C and 93D models are cast and trimmed from Alloy A380.1 Die Cast Aluminum, burnish finish with an optional Type II anodize and nickel acetate seal for models 93C-AD and 93D-AD. The 94 models are made from CF3M 316 Stainless Steel, electro-polished finish. Models 93C, 93C-AD and 94C are machined with a ½" NPT process entry and models 93D, 93D-AD and 94D with a ¾" NPT process entry. All of the models have a single ¾" NPT conduit entry and all are assembled with a Nitrile Buna N o-ring to maintain an ingress rating of IP66.

SCHEDULE OF LIMITATIONS:

1. When supplied with reducer bushing only one reducer bushing shall be used with any single cable entry on the associated equipment.
2. The interfaces between the male thread of the product and an associated enclosure female thread of the product and the cable entry device cannot be defined, therefore it is the user's responsibility to ensure that the appropriate ingress protection level is maintained at these interfaces.

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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)
Issue 1 – this Issue introduced the following changes:

1. Label drawings updated to correct the (ATEX) notified body number from ‘0518’ to ‘2813.

Issue 2– this Issue introduced the following changes:

1. Introduce model designation number 93C-AD and 93D-AD to existing certification.
2. Updated drawings H068401 and S022101.
3. Updated label drawing H063301 to include new models.
4. The Applicant/Manufacturers name was amended to correct a typographical error.

Issue 3– this Issue introduced the following changes:

1. Following appropriate assessment to demonstrate compliance with the latest technical knowledge, IEC 60079-0:2011 Edition:6.0 was replaced by IEC 60079-0/COR1:2020 Edition 7.0 (2017-12).

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Additional information:
The Manufacturer shall comply with the following:

1. Only one reducer bushing shall be used with any single cable entry on the associated equipment.