



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 ITS 18.0055X** Page 1 of 3 [Certificate history:](#)
Status: **Current** Issue No: 0
Date of Issue: 2019-01-10
Applicant: **Chromalox Inc**
Ogden
Utah 84404
United States of America
Equipment: **Ex e low power junction boxes**
Optional accessory:
Type of Protection: **Increased Safety Ex e**
Marking: IECEx ITS 18.0055X
Ex eb IIB T5 Gb Tamb -50°C to +55°C

Approved for issue on behalf of the IECEx
Certification Body:

V K Varma

Position:

Certificatin Officer

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:

Intertek Testing & Certification Limited
ITS House, Cleeve Road
Leatherhead
Surrey, KT22 7SA
United Kingdom

intertek



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Manufacturer: **Cromlaox Inc**
Ogden
Utah 84404
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 60079-0:2017 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

IEC 60079-7:2017 Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

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 Report:

[GB/ITS/ExTR18.0060/00](#)

Quality Assessment Report:

[GB/ITS/QAR09.0002/05](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Chromalox part numbers 347-121993-197 (for use with Type K Thermocouples) and 347-121993-198 (for use in a 4-20mA 24VDC control circuit). Both are Increased Safety terminal boxes with certified Ex breather drains. Both are populated with pre-certified terminals and the 347-121993-197 is supplied with cable glands and 347-121993-198 is not. The user shall install appropriately rated and certified versions. The equipment uses the following pre certified Ex Apparatus and Ex Components:
Weidmuller Terminal Types 1050000000 and 1024100000 - IECEx ULD 14.0005U to IEC 60079-0:2011 Ed 6.0 and IEC 60079-7:2006 Ed 4.0
CMP PProducts Limited Type TMCX-050NB075X Glands - IECEx SIR 09.0069X to IEC 60079-0:2011 Ed 6.0 and IEC 60079-7:2006 Ed 4.0
Ex Innovations Ltd - Breather Drains - IECEx SIR 08.0024X to IEC 60079-0:2007 Ed 5.0 and IEC 60079-7:2006 Ed 4.0
CMP PProducts Ltd Cable Glands Type 20S16A2F1RA5 - IECEx SIR 13.0023X to IEC 60079-0:2011 Ed 6.0 and IEC 60079-7:2006 Ed 4.0
Hoffman Enclosures Inc Model ATEX2626166SS63 Type ABC - IECEx SIR 09.0099U to IEC 60079-0:2011 Ed 6.0 and IEC 60079-7:2006 Ed 4.0

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. The relevant instructions of the individual component manufacturers must be followed
2. For terminal jumper accessories current ratings and the resistances across the terminals please refer to the table under "types & electrical rating" in the documentation described above. Details on creepage and clearance values and the required torque values are in the respective "Notice to installers".
3. The terminals can be used with either one or two wires into either side of the terminal. When two wires are used they must be of the same type, and of equal sizes. No other wire sizes or types than the ones specified in instructions must be used. The terminal blocks must either be mounted next to another block of the same type and size or with an end plate.
4. Unused terminals shall be tightened.
5. The incoming cable shall be effectively clamped as close as possible to the gland