

[1] **EU - TYPE EXAMINATION CERTIFICATE**
[2] **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres**
Directive 2014/34/EU

[3] EU – Type Examination Certificate Number ACE24ATEX011X Rev00
[4] Product Lighted end seal kit cUESL
[5] Manufacturer Chromalox (Suzhou) Precision Heat & Control Co., Ltd.
[6] Address T02 No. 1801 Pangjin Rd. Pangjin Industrial Park Wujiang, Jiangsu Province 215200, China

[7] This equipment or protective system and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.
[8] Advanced Consulting and Engineering Iberia SL (A.C.&E. Iberia S.L.), Notified body Accreditation nº: NB3024 in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive
The examination and test results are recorded in the confidential Report nº. EX_EXD003_24_24-964, EX_EXE004_24_24-964
[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 60079-0 2018: Explosive atmospheres — Part 0: Equipment — General requirements
EN 60079-1 2014: Explosive atmospheres — Part 1: Equipment protection by flameproof enclosures ‘d’
EN 60079-7: 2015/A1: 2018: Explosive atmospheres — Part 7: Equipment protection by increased safety ‘e’
[10] If the sign “X” is placed after the certificate number, it indicates that the product is subject to the Special Conditions for Use specified in the point 17 of This certificate.
[11] This EU-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

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

 II 2G Ex db eb IIC T* Gb

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Date: 20/09/2024



**Advanced Consulting and Engineering
Iberia SL**
Notified Body No NB3024

Matteo Marconi, CEO

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[13]

SCHEDULE

[14]

EC-Type Examination Certificate No: ACE24ATEX011X Rev00

[15] Description of equipment

The lighted end seal kit are designed for pipe mounting and the termination of specified trace heating cable. They are rated at 100-277 V AC. The cUESL Lighted end seal kit composed of an flameproof cavity and an increased-safety cavity. The light source should be installed in the flameproof cavity. Terminal blocks should be installed in the increased safety cavity, which are mainly used for the end of the electric heat tracing cable as signal to show the on-off of electric heat tracing.

The lighted end seal kit are designed for use with the following range of Heating Cables:

Heating cables model	Permitted Voltages (V)	Ta	Width× Thickness (mm)	Certificate
SRL,SRL/S,SRM/E,SR P,HWM	120VAC, 240VA, 208-277VAC	-60°C...+70°C -40°C...+70	11.9×5.1	ATEX FM12ATEX0093X

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[13] **SCHEDULE**

[14] EC-Type Examination Certificate No: ACE24ATEX011X Rev00

[16] Test documents are listed in the test report nº
EX_EXD003_24_24-964, EX_EXE004_24_24-964

[17] Special conditions for safe use

1. The lighted end seal kit is designed for use with SRL, SRL/S, SRM/E, SRP, HWM Series heating cables only. And the instructions of the heating cables shall be observed.
2. The maximum service temperature of the lighted end seal kit is limited to 100°C; this may be further limited by the type of heating cable that is being used, therefore. When fitting the lighted end seal kit, the user/installer shall take into account any restrictions that are applicable to the cable.
3. The flameproof joints are not intended to be repaired.
4. The lighted end seal kit temperature class rating is based on the temperature class rating of the installed cable.
5. The clamping device inside the wiring chamber should be installed according to the instructions, and the installation of heating cables in the wiring chamber should meet the requirements of creepage distance and clearance in IEC60079-7.
6. The user shall provide additional clamping of the cable to ensure that pulling is not transmitted to the terminations.
7. The equipment shall be installed in such a way that the risk of mechanical danger is low.
8. When installing cables, end users must comply with the requirements of the instructions.

[18] Essential Health and Safety Requirements are Fulfilled by the harmonized standards

[19] Documents and technical datasheets:

Title	Object	Revision	Date
Lighted end seal kits assembly drawing	KMRS 003 001	Rev.0	2022.12-12
Nameplate	168-562581-391L	Rev.3	2023.11-16
Installation Instruction	562581393	Rev.1.1	2023.11-16

The documents above-mentioned are strictly confidential and they are of only use of authorities.
A copy of the documents are saved by A.C.&E. Iberia S.L.

[20] Certificate History

Number of certificate	Rev.	Comments	Date
ACE24ATEX011X	00	First Issue	20/09/2024

Date: 20/09/2024



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