



# 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](http://www.iecex.com)

Certificate No.: **IECEx DEK 23.0048X** Page 1 of 3 [Certificate history:](#)  
Status: **Current** Issue No: 0  
Date of Issue: 2024-05-02  
Applicant: **Artidor Explosion Safety B.V.**  
Emopad 38  
5663 PB Geldrop  
**Netherlands**  
Equipment: **Signal light model AR-047/\*\*\*.\***  
Optional accessory:  
Type of Protection: **Ex mb**  
Marking: Ex mb IIC T4 Gb  
Ex mb IIIC T135 °C Db

Approved for issue on behalf of the IECEx  
Certification Body:

**R. Schuller**

Position:

**Certification Manager**

Signature:  
(for printed version)

Date:  
(for printed version)

2024-05-02

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](http://www.iecex.com) or use of this QR Code.



Certificate issued by:

**DEKRA Certification B.V.**  
Meander 1051  
6825 MJ Arnhem  
**Netherlands**





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Date of issue: 2024-05-02

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Manufacturer: **Artidor Explosion Safety B.V.**  
Emopad 38  
5663 PB Geldrop  
**Netherlands**

Manufacturing locations: **Artidor Explosion Safety B.V.**  
Emopad 38  
5663 PB Geldrop  
**Netherlands**

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 60079-18:2017](#) Explosive atmospheres - Part 18: Protection by encapsulation "m"  
Edition:4.1

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:

[NL/DEK/ExTR23.0046/00](#)

Quality Assessment Report:

[NL/KIWA/QAR17.0004/05](#)



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## **EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

The Signal light type AR-047 is a single light source that can be operated continuously or intermittently. AR-047 Signal light consists of:

- a bottom enclosure and top plate made of stainless steel or aluminum,
- printed circuit board containing the LEDs and control electronics,
- polycarbonate lens,
- a certified cable gland and
- a permanently connected cable for the electrical connection.

The electronics and LEDs are in type of protection encapsulation "m".

Ambient temperature range : -20 °C to +60 °C.

Ingress protection : IP65 in accordance with IEC 60079-0 and IEC 60529.

For nomenclature and electrical data see Annex 1.

## **SPECIFIC CONDITIONS OF USE: YES as shown below:**

1. Propagating brush discharges shall be avoided, refer to installation manual.
2. The cable shall be installed fixedly.

## **Annex:**

[227458700-Annex 1 to ExTR23.0046.00 .pdf](#)