

ATEX – Certifikater

læsning og forståelse



Ex Forum d. 17/11-2022

ved Peter Lauritzen – ExVeritas ApS



Hvem er Peter?

Lang historie

1999 – 2007: UL International Demko

2007 – 2007: Epsilon Technical Services Ltd.

2007 – 2010: Intertek

2010 – 2016: TÜV Nord Danmark ApS

2016 - 2018: PLAU Consult

2018 - ?: ExVeritas ApS

Hvem er ExVeritas?

Stiftet 2009

Akkrediteret til:

- **ATEX**
- **UKCA**
- **IECEX**
- **ISO 9001**

Leverer desuden certificering indenfor:

- **NRTL**
- **INMETRO via**

Afdelinger i England, Danmark og USA

Kontaktinfo

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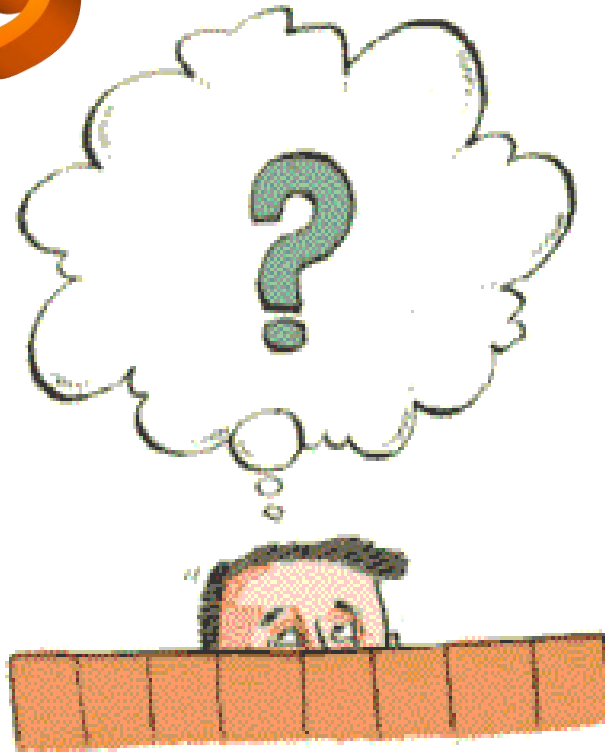


ATEX Notified Body
IECEX Certification Body
CompEx Certification
UKCA Notified Body

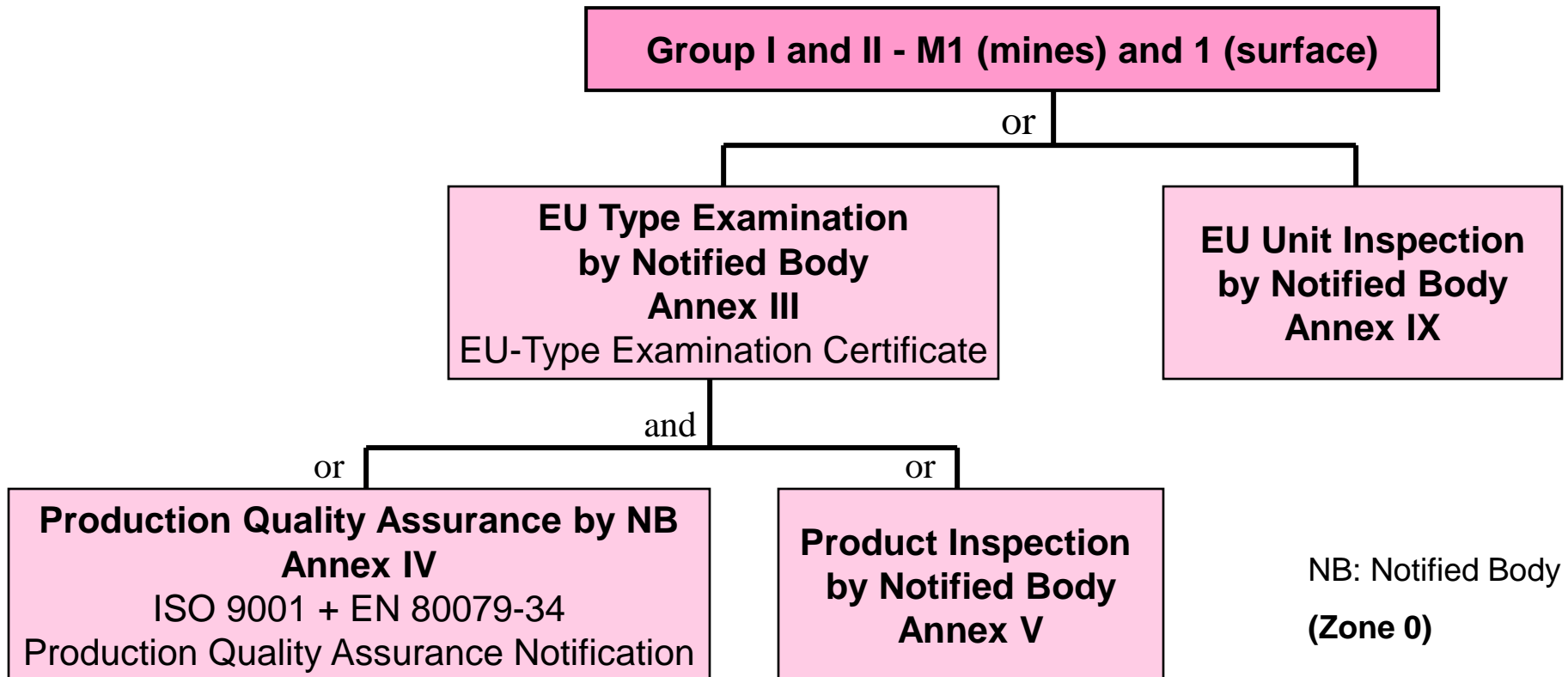


ATEX Notified Body
IECEX Certification Body
CompEx Certification

Spørgsmål?

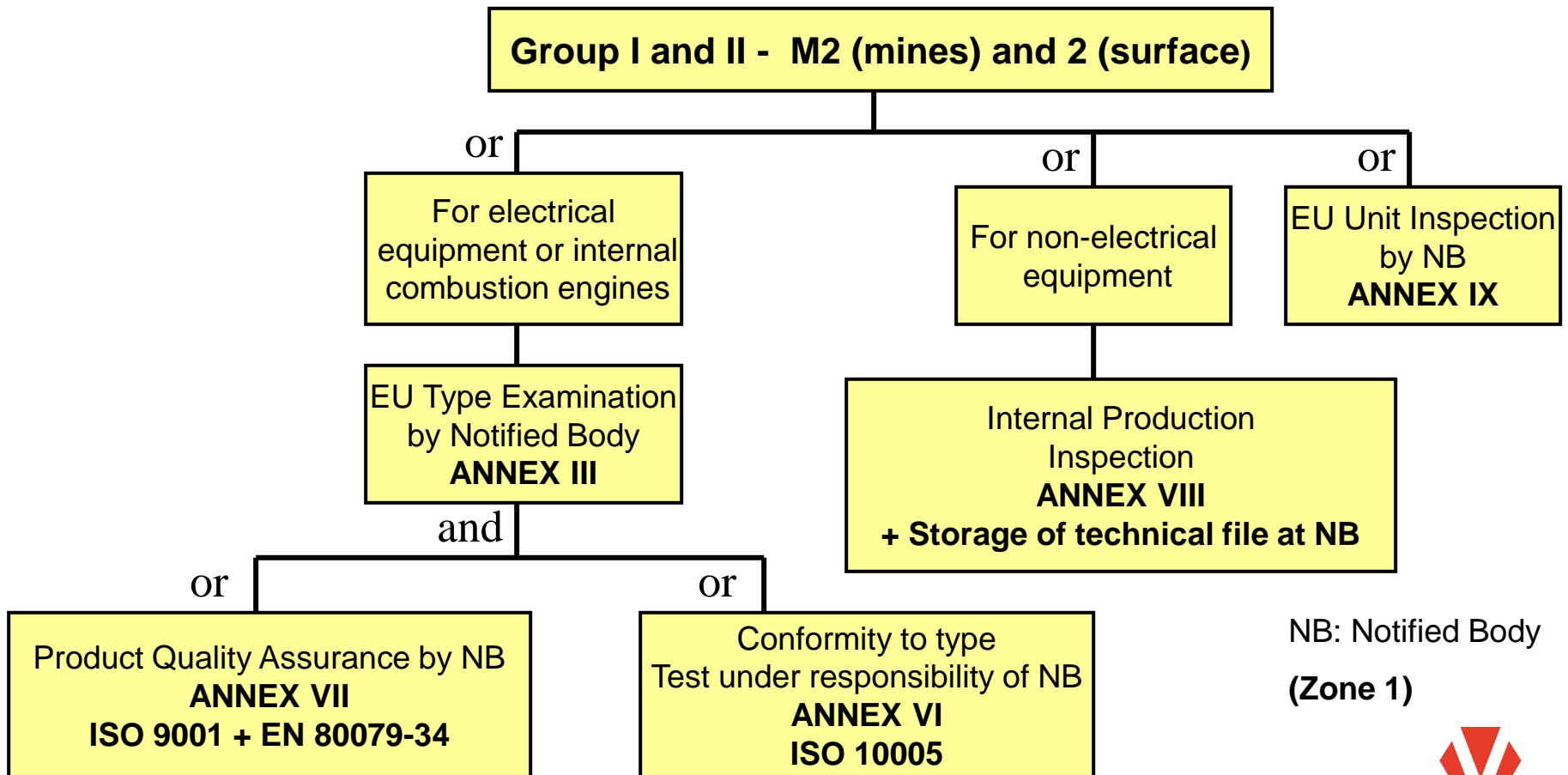


Conformity assessment procedure, equipment- Category 1 and M1

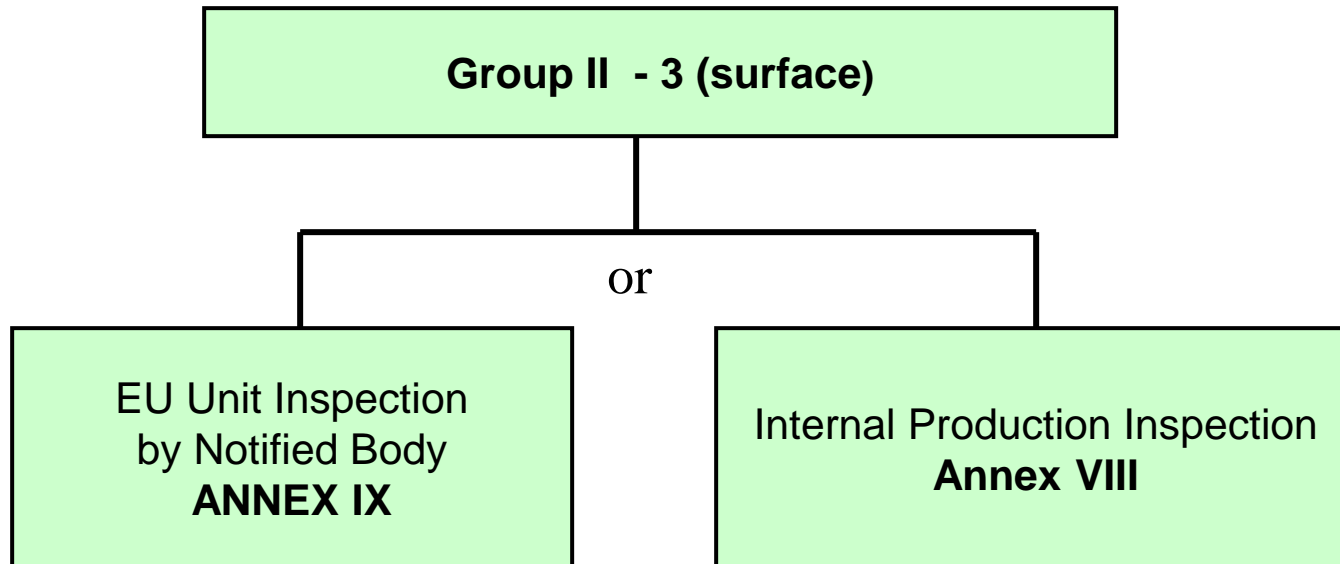


NB: Notified Body
(Zone 0)

Conformity assessment procedure, equipment- Category 2 and M2



Conformity assessment procedure, equipment- Category 3



(Zone 2)

Certifikattyper

- **EU Type Examination Certificate**
- **EU Unit Verification Certificate**
- **EU Type Examination Certificate - Component**
- **ATEX Cat 3 Conformity Certificate**
- **Quality Assurance Notification Annex IV**
- **Conformity to Type Notification Annex VI**

EU – Type Examination Certificate



1 EU - Type Examination Certificate

2 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

3 Certificate Number: ExVeritas 22 ATEX 1234 X Issue: 0

4 Equipment: Electrical Motor types T1A, T2A, T3A, T1C, T2C and T3C

5 Manufacturer: Explosafety Corp

6 Address: Stavgaden 3
Gasby
Denmark

7 This equipment and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

8 ExVeritas, Notified Body number 2804 in accordance with Article 17 of the Council Directive 2014/34/EU of 26 February 2014, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to design and construction of equipment and protective systems for use in potentially explosive atmospheres given in Annex II to the Directive

9 Compliance with the applicable Essential Health and Safety Requirements has been assured by compliance with the following Standards and section 16 of this certificate:
EN IEC 60079-0: 2018 EN 60079-7: 2015

10 If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

11 This EU-Type Examination Certificate relates only to the design, construction, examination and tests of the specified equipment or protective system in accordance to the Directive 2014/34/EU. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

12 The marking of the equipment shall include the following:
 II 2 G Ex eb IIC T4 Gb T_{amb} -20°C to +40°C



PROD Reg No. 7044
Member of EA MLA


On behalf of ExVeritas



Peter Lauritzen
Managing Director

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Schedule

13 Description of Equipment or Protective System
Motors are designed as increased safety, Ex eb. Motors are brushless and built into closed housing with termination compartment, all designed in aluminium, alloy or cast iron.

Type key:
T1A, T2A and T3A: Aluminium
T1C, T2C and T3C: Cast Iron

Technical data:
230/400/690 Vac, 50 Hz
276/480/828 Vac, 60 Hz

Permissible range of ambient temperature:
-20°C to +40°C

The following serial numbers have been verified as part of this certification: 1010, 1011, 1012, 1013, 1014, 1015, 1016, 1017, 1018, 1019 and 1020.

14 Descriptive Documents

14.1 Associated Report and Certificate History:

Report Number	Cert Issue Date	Issue	Comment
1234/A/1	01-02-2022	0	Initial issue of the Prime Certificate

14.2 Compliance Drawings:

Title	Drawing No.:	Rev. Level:	Date:
Overall assembly	123456	-	06-01-2022

15 Conditions of Certification

15.1 Special Conditions for Safe Use

Only suitable certified Cable Glands may be used.
Installer must ensure that gasket is fitted correctly into terminal cover and all excess material is removed.
Only metallic cooling wings may be used 15.2


Conditions for Use
(Routine tests)

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EU – Type Examination Certificate




Schedule

16 Essential Health and Safety Requirements

Essential Health and Safety Requirements are addressed by the standards listed in section 9 and where required the report listed in section 14.1

The manufacturer shall inform the Notified Body of any modifications to the design of the product described by this schedule.



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EU - Unit Verification Certificate



1 Unit Verification Certificate

2 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

3 Certificate Number: ExVeritas 22 ATEX 123456 X Issue: 0

4 Equipment: Electrical Motor types T1A, T2A, T3A, T1C, T2C and T3C

5 Manufacturer: Explosafety Corp

6 Address: Stevgaden 3
Gasby
Danmark

7 This equipment and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

8 ExVeritas, Notified Body number 2804 for Annex IX in accordance with Article 9 of the Council Directive 2014/34/EU of 26 February 2014, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to design and construction of equipment and protective systems for use in potentially explosive atmospheres given in Annex II to the Directive

9 Compliance with the applicable Essential Health and Safety Requirements has been assured by compliance with the following Standards and section 16 of this report:

EN 60079-0: 2018 EN 60079-7: 2015

10 If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

11 This Unit Verification Certificate relates only to the equipment or protective system identified by serial number on the associated schedule, in accordance with the Directive 2014/34/EU.

12 The marking of the equipment shall include the following:

II 2 G Ex eb IIC T4 Gb

According to Article 10[1] of the directive 2014/34 EU the CE marking shall be followed by the Identification number 2804 identifying the notified body involved.



On behalf of ExVeritas

Peter Lauritzen
Managing Director

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Schedule

13 Description of Equipment or Protective System

Motors are designed as increased safety, Ex eb. Motors are brushless and built into closed housing with termination compartment, all designed in aluminium, alloy or cast iron.

Type key:
T1A, T2A and T3A: Aluminium
T1C, T2C and T3C: Cast Iron

Technical data:
230/400/690 Vac, 50 Hz
275/480/828 Vac, 60 Hz

Permissible range of ambient temperature:
-20°C to +40°C

The following serial numbers have been verified as part of this certification: 1010, 1011, 1012, 1013, 1014, 1015, 1016, 1017, 1018, 1019 and 1020.

14 Descriptive Documents

14.1 Associated Report and Certificate History:

Report Number	Cert Issue Date	Issue	Comment
1234/A/1	01-02-2022	0	Initial issue of the Prime Certificate

14.2 Compliance Drawings:

Issue 0	Number	Date	Issue	Description
	123456	05-01-2022	-	Overall assembly

15 Conditions of Certification

15.1 Special Conditions for Safe Use
Only suitable certified Cable Glands may be used.
Installer must ensure that gasket is fitted correctly into terminal cover and all excess material is removed.
Only metallic cooling wings may be used.

15.2 Conditions for Use
(Routine Tests)

16 Essential Health and Safety Requirements
Essential Health and Safety Requirements are addressed by the standards listed in section 9 and where required the report listed in section 14.1

The manufacturer shall inform the Notified Body of any modifications to the design of the product described by this schedule.

Certificate ExVeritas 22 ATEX 123456 X Issue 0

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ATEX Notified Body
IECEX Certification Body
CompEx Certification

EU – Type Examination Certificate ‘U’



1 EU - Type Examination Certificate

2 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

3 Certificate Number: ExVeritas 22 ATEX 1234 U Issue: 0

4 Equipment: Electrical Heater type AVG 1500

5 Manufacturer: Explosafety Corp

6 Address: Stovgaden 3
Gastby
Danmark

7 This component and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

8 ExVeritas, Notified Body number 2804 in accordance with Article 9 of the Council Directive 2014/34/EU of 26 February 2014, certifies that this component has been found to comply with the Essential Health and Safety Requirements relating to design and construction of equipment and protective systems for use in potentially explosive atmospheres given in Annex II to the Directive

9 Compliance with the applicable Essential Health and Safety Requirements has been assured by compliance with the following Standards and section 16 of this report:

EN 60079-0: 2018 EN 60079-1: 2014 EN 60079-7: 2015

10 If the sign "U" placed after the certificate number indicates that this certificate must not be mistaken for a certificate intended for an equipment or protective system. This partial certification may be used as the basis for certification of an equipment or protective system.

11 This EU-Type Examination Certificate relates only to the design, construction, examination and tests of the specified component in accordance to the Directive 2014/34/EU. Further requirements of the Directive apply to the manufacturing process and supply of this component. These are not covered by this certificate.

12 The marking of the equipment shall include the following:

II 2 G Ex db eb IIC Gb



On behalf of ExVeritas

Peter Lewitzen
Managing Director

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Schedule

13 Description of Equipment or Protective System

These are Electrical Heating Elements designed for Ex db and eb, designed to be placed inside airducts.

14 Descriptive Documents

14.1 Associated Report and Certificate History:

Report Number	Cert Issue Date	Issue	Comment
1234/A/1	01-20-2022	0	Initial issue of the Prime Certificate

14.2 Compliance Drawings:

Issue 0 Number	Date	Issue	Description
123456	05-01-2022	-	Overall assembly

15 Conditions of Certification

15.1 Special Conditions for Safe Use
- Only suitable certified cable glands may be used.
- Temperature class to be determined during certification of the final application including control system.

15.2 Conditions for Use
- Routine testing to be performed according to Cl. 7.1 of EN 60079-7:2015

16 Essential Health and Safety Requirements
Essential Health and Safety Requirements are addressed by the standards listed in section 9 and where required the report listed in section 14.1

The manufacturer shall inform the Notified Body of any modifications to the design of the product described by this schedule.

Certificate 22 ATEX 1234 U Issue 0


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ATEX Notified Body
IECEX Certification Body
CompEx Certification

EU – Type Examination Certificate ‘U’



Schedule

13 Description of Equipment or Protective System
These are Electrical Heating Elements designed for Ex db and eb, designed to be placed inside airducts.

14 Descriptive Documents
14.1 Associated Report and Certificate History:

Report Number	Cert Issue Date	Issue	Comment
1234/A/1	01-20-2022	0	Initial issue of the Prime Certificate

14.2 Compliance Drawings:

Issue 0

Number	Date	Issue	Description
123456	05-01-2022	-	Overall assembly

15 Conditions of Certification
15.1 Special Conditions for Safe Use
- Only suitable certified cable glands may be used.
- Temperature class to be determined during certification of the final application including control system.
15.2 Conditions for Use
- Routine testing to be performed according to Cl. 7.1 of EN 60079-7:2015

16 Essential Health and Safety Requirements
Essential Health and Safety Requirements are addressed by the standards listed in section 9 and where required the report listed in section 14.1

The manufacturer shall inform the Notified Body of any modifications to the design of the product described by this schedule.

Certificate 22 ATEX 1234 U Issue 0

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
ATEX Cat 3 Conformity Certificate



1 ATEX CAT 3G Conformity Certificate

- 2 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU
- 3 Certificate Number: ExVeritas 22 ATEX 123456 X Issue: 0
- 4 Equipment: Electrical Motor types T1A, T2A, T3A, T1C, T2C and T3C.
- 5 Manufacturer: Explosafety Corp.
- 6 Address: Stavgaden 3
Gasby
Danmark
- 7 This equipment and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to. The assessments are recorded in ExVeritas project file number EXV1234A.
- 8 The equipment has been assessed against the following Standards and found to comply:

EN 60079-0: 2018 EN 60079-7: 2015
- 9 If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.
- 10 ExVeritas takes no responsibility for the validity of any information or data supplied by the manufacturer on which parts of the assessment may be based upon.
- 11 The marking of the equipment shall include the following:

 II 3 G Ex ec IIC T4 Gc

On behalf of ExVeritas

 Peter Lauritzen
 Managing Director

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Schedule

12 Description of Equipment or Protective System

Motors are designed as increased safety, Ex ec. Motors are brushless and built into closed housing with termination compartment, all designed in aluminium, alloy or cast iron.

Type key:
 T1A, T2A and T3A: Aluminium
 T1C, T2C and T3C: Cast iron

Technical data:
 230/400/690 Vac, 50 Hz
 276/480/828 Vac, 60 Hz

Permissible range of ambient temperature:
 -20°C to +40°C

13 Descriptive Documents

13.1 Associated Report and Certificate History:

Report Number	Cart Issue Date	Issue	Comment
1234A/1	01-02-2022	0	Initial issue of the Prime Certificate

13.2 Compliance Drawings:

Issue 0	Drawing No:	Issue:	Date:
Title: Overall assembly	123456	-	05-01-2022

14 Conditions of Certification

14.1 Special Conditions for Safe Use
 Only suitable certified Cable Glands may be used.
 Installer must ensure that gasket is fitted correctly into terminal cover and all excess material is removed.
 Only metallic cooling wings may be used.

14.2 Conditions of manufacture
 (Routine Tests)

15 Essential Health and Safety Requirements

Essential Health and Safety Requirements are addressed by the standards listed in section 8 and where required the report listed in section 13.1

Certificate: ExVeritas 22 ATEX 123456 X Issue 0

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 CompEx Certification

Quality Assurance Notification



1 Quality Assurance Notification Annex IV

2 Equipment and protective systems intended for use in potentially explosive atmospheres

3 Certificate Number: ExVeritas 21PQAN1234

4 Equipment, Protective system or Components as listed in the schedule

5 Applicant: Explosafety Corp
Stevgaden 3
Gasby
Danmark

6 Manufacturer: Explosafety Corp
Stevgaden 3
Gasby
Danmark

7 ExVeritas, Notified Body number 2804 for Annexes IV and VII in accordance with Article 9 of the Council directive 2014/34/EU of 20 February 2014, notifies the applicant that the manufacturer has a quality system which complies with the requirements of EN ISO/IEC 80079-34:2016, and thereby, with the requirements of Annex IV of the directive.

8 This notification is based on Audit Report No R1234/A/1.

This Notification can be withdrawn if the manufacturer no longer satisfies the requirements of Annex IV. The Manufacturer is obliged to inform ExVeritas of any changes in their Quality System or other aspects upon which this notification has been given.

Results of periodical re-assessment of the quality system are a part of this notification.

9 This Notification is valid until: 20 January 2024 and can be withdrawn if the manufacturer does not satisfy the production quality assurance re-assessment

10 According to Article 10[1] of the directive 2014/34/EU the CE marking shall be followed by the Identification number 2804 identifying the notified body involved in the production control stage.



On behalf of ExVeritas

Peter Lauritzen
Managing Director

Date: 21 January 2021

Certificate: ExVeritas 21PQAN1234

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Quality Assurance Notification Schedule

11 Explosion protection concepts for which the manufacturer has been assessed:

Flameproof 'd'
Increased Safety 'e'

12 Equipment types which Quality Assurance Notification is applicable to:

Cable glands.
Electrical motors

13 Associated Report and Certificate History:

Report Number	Cert Issue Date	Issue	Comment
R1234/A/1	20/01/2021	0	Initial issue of the Certificate

Certificate: ExVeritas 21PQAN1234

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Konklusion

Tjek altid:

- **Mærkning**
- **Certifikatnummer**
- **Special Conditions for Safe Use**

