



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 EXV 20.0017X**

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Certificate history:

Status: **Current**

Issue No: 4

[Issue 3 \(2023-11-28\)](#)

[Issue 2 \(2023-07-11\)](#)

[Issue 1 \(2022-02-08\)](#)

[Issue 0 \(2021-07-23\)](#)

Date of Issue: 2025-08-26

Applicant: **Axis Ex AB**
Gränden 1
Lund 223 69
Sweden

Equipment: **Fixed Types F31, F33, PTZ Types P21 & P23 series with optional wash fluid solenoid valve.**

Optional accessory:

Type of Protection: **Flameproof 'db' Enclosure 'tb'**

Marking: Ex db I Mb
Ex db IIC T6 - T4 Gb
Ex tb IIIC T85°C -T135°C Db

Cameras Tamb: -60°C to +60°C or -40°C to +60°C or -20°C to +60°C (See product information)

Solenoid Washer Valve Tamb: -30°C to +60°C

Approved for issue on behalf of the IECEx
Certification Body:

Glenn Manifold BSc (Hons) CQP MCQI

Position:

Certification Manager

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.
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Certificate issued by:

ExVeritas Limited
Units 16-18 Abenbury Way
Wrexham Ind. Est.
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United Kingdom





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Manufacturer: **Axis Ex AB**
Gränden 1
Lund 223 69
Sweden

Manufacturing
locations: **Axis Ex AB**
Gränden 1
Lund 223 69
Sweden

Axis Ex AB
Maskinvägen 1
Lund 227 30
Sweden

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 60079-1:2014 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 equipment listed has successfully met the examination and test requirements as recorded in:

Test Reports:

GB/EXV/ExTR20.0036/00
GB/EXV/ExTR23.0099/00

GB/EXV/ExTR22.0010/00
GB/EXV/ExTR24.0040/00

GB/EXV/ExTR22.0046/00

Quality Assessment Reports:

GB/EXV/QAR21.0005/00
GB/EXV/QAR21.0005/03

GB/EXV/QAR21.0005/01

GB/EXV/QAR21.0005/02



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Axis Ex Series Fixed Types F31, F33, PTZ Types P21 & P23 series Camera Station systems comprise fixed (static) camera stations and motorised pan-tilt-zoom (PTZ) camera stations allowing up to 360° viewing depending on mounting arrangement and location.

The camera stations are designed to allow either high definition colour image generation or the use of infrared commonly used in night vision or thermal measurement applications.

Image transmission from the camera stations is achieved via various media including ethernet, coaxial or fibre optics which is also the media that contains operator input to camera functionality, for example positioning or zoom functions.

Each camera station is designed specifically for use in harsh and hazardous environments and uses 316L stainless steel and toughened glass as core materials. The IR variants utilise Germanium with a guard for impact protection.

The static camera variants consist of one flame-proof enclosure whilst the PTZ versions consist of three interlinking flame-proof enclosures allowing full positioning mobility.

A washer fluid solenoid accessory (model: AXIS TX1902) may be sold with the camera or as an add on accessory. The solenoid is installed through wall with the electronics housed within the Ex d enclosure and the fluid compartment external. Solenoid Washer Valve is rated for an ambient temperature of -30°C to +60°C.

The equipment has been separately tested against the requirements of IEC 60529 and it meets IP66/IP67/IP68 (1.5 m / 30 min).

Type Structure for Axis Ex flameproof products

TYPE: AAABCDE

Letter:

AAA (enclosure)	Description	B (Battery)	Description	C (Amb. Temp)	Description	D (power)	Description	E (T- Code)	Description
P21	Pan Tilt Zoom	0 or blank	No battery	0 or blank	-60°C to +60°C	0 or blank	100 - 240 VAC => Max 150 W *	6	T6 / T85°C
P23	Pan Tilt Zoom - Thermal	1	with battery	1	-40°C to +60°C	1	100 - 240 VAC => Max 56 W or POE 802.3bt Type 3 => Max 56 W	5 or blank	T5 / T100°C
F31	Fixed			2	-20°C to +60°C	2	POE 802.3bt Type 3 => Max 56 W	4	T4 / T135°C
F33	Fixed - Thermal								

Note: * Original certified Type 31 supports both 100 - 240 VAC and POE 802.3bt Type 3 => Max 56 W.

SPECIFIC CONDITIONS OF USE: YES as shown below:

Special Conditions for Safe Use

- Flameproof joints are not to be modified
- Cable temperature can exceed 60°C – select suitable cable for the end application
- Yield Strength of the end cap fasteners is A4-80
- Equipment must be placed in an area where there is low risk of mechanical damage
- Wash fluid solenoid model AXIS TX1902 may be sold with the unit or as an accessory to be installed. Use of the solenoid in models other than listed in the certificate has not been assessed



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Addition of through wall mounted solenoid valve.

Clarification of model nomenclature and ambient rating