

February 1, 2022

Mr. Ray Mauritsson  
Axis Ex AB  
Gränden 1  
223 69 Lund,  
Sweden

Subject: CCTV Cameras, Ex Series; Models P21, P23, F31, F33  
Listing Number E115198; MET Project Number 116781

- Safety Standards:
- UL 62368-1; Ed. 2 Standard for audio/video, information, and communication technology equipment – Part 1: Safety Requirements
  - CSA C22.2 No. 62368-1: 2014 Standard for audio/video, information, and communication technology equipment – Part 1: Safety Requirements
  - UL 1203; Ed. 5; Standard for Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Locations
  - CSA C22.2 No. 30-M1986 R2016; Explosion-Proof Enclosures for use in Class I Hazardous Locations
  - CSA C22.2 No. 25-2017; Enclosure for Use in Class II, Division 1, Groups E, F, and G Hazardous Locations
  - UL 60079-0: Ed. 7; Standard for Explosive Atmospheres - Part 0: Equipment - General Requirements
  - CSA C22.2 No. 60079-0: 19; Explosive atmospheres - Part 0: Equipment - General requirements (Adopted IEC 60079-0:2017, seventh edition, 2017-12, with Canadian deviations)
  - UL 60079-1, Edition 7; Standard for Explosive Atmospheres - Part 1: Equipment Protection by Flameproof Enclosures
  - CSA C22.2 No. 60079-1:16; Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d" (Adopted IEC 60079-1:2014, seventh edition, 2014-06, with Canadian deviations)
  - UL 60079-31, Edition 2; Standard for Explosive Atmospheres - Part 31: Equipment Dust Ignition Protection by Enclosure
  - CSA C22.2 No. 60079-31: 15; Explosive Atmospheres - Part 31: Equipment Dust Ignition Protection by Enclosure (Adopted IEC 60079-31: 2013, second edition, 2013-11, with Canadian Deviations)
  - UL 121201; Ed. 9; Nonincendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations
  - CSA C22.2 No. 213: 2017; Nonincendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2



Canadian Certification has been granted under a System 3 program as defined in ISO/IEC 17067.

**NRTL**

### Hazardous (Classified) Locations

Dear Mr. Mauritsson:

Congratulations on successfully completing the MET Mark Certification process for the CCTV Cameras, Ex Series; Models P21, P23, F31, F33. Axis Ex AB may begin to apply the MET Mark on the previously identified products at this time in accordance with the MET Mark Applicant Contract. The report covering the above stated products is forthcoming.

Thank you for the opportunity to perform this service for Axis Ex AB. We look forward to future opportunities with your company.

*Sincerely,*

MET LABORATORIES, INC.



Rick Cooper  
Director of Operations,  
Safety Laboratory



Canadian Certification has been granted under a System 3 program as defined in ISO/IEC 17067.

**NRTL**

**Attachment 1**  
**Summary of Amendments/Modifications**

Addition of EMI filter  
Update of label  
Modification of routine voltage withstand test  
Added Figure 6



Canadian Certification has been granted under a System 3 program as defined in ISO/IEC 17067.

***NRTL***

**MANUFACTURER’S RESPONSIBILITIES**

All certified products are required to be subjected to production line testing as indicated below:

Dielectric Voltage-Withstand Test:

Each complete end product shall be capable of withstanding, without electrical breakdown, the application of a continuous sinusoidal or direct current voltage between uninsulated live parts and accessible dead metal parts that are likely to become energized in accordance with the following method.

Circuit Rating	Component Tested	Circuit Tested			
			Voltage (VAC rms)	Voltage (VDC/VAC peak)	Time (sec)
Up to 250 V	Main unit	Primary to Ground	1590	2250	1-4

Documentation:

The manufacturer is required to record the production line test results. The data recorded is to include the type of test, date of test, serial number of the product, indications of pass, fail, or retest, test equipment utilized, calibration date of test equipment utilized, and the initials or signature of the test technician. Test records shall be required to be maintained from factory follow-up audit to factory follow-up audit and must be available for the inspectors’ review. Records may be in the form of travelers, logs, computer files, or other such suitable documentation method.



Canadian Certification has been granted under a System 3 program as defined in ISO/IEC 17067.

