

# INSTALLATION GUIDE

## AXIS T8008 PS12 Power Supply

## Legal Considerations

Video surveillance can be regulated by laws that vary from country to country. Check the laws in your local region before using this product for surveillance purposes.

This product includes one (1) H.264 decoder license. To purchase further licenses, contact your reseller.

## Liability

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This product contains licensed third-party software. See the menu item "About" in the product's user interface for more information.

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## Equipment Modifications

This equipment must be installed and used in strict accordance with the instructions given in the user documentation. This equipment contains no user-serviceable components. Unauthorized equipment changes or modifications will invalidate all applicable regulatory certifications and approvals.

## Trademark Acknowledgments

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## Support

Should you require any technical assistance, please contact your Axis reseller. If your questions cannot be answered immediately, your reseller will forward your queries through the appropriate channels to ensure a rapid response. If you are connected to the Internet, you can:

- download user documentation and software updates

- find answers to resolved problems in the FAQ database. Search by product, category, or phrase
- report problems to Axis support staff by logging in to your private support area
- chat with Axis support staff (selected countries only)
- visit Axis Support at [www.axis.com/techsup/](http://www.axis.com/techsup/)

## Learn More!

Visit Axis learning center [www.axis.com/academy/](http://www.axis.com/academy/) for useful trainings, webinars, tutorials and guides.

## Regulatory Information

### Europe

**CE** This product complies with the applicable CE marking directives and harmonized standards:

- Electromagnetic Compatibility (EMC) Directive 2004/108/EC. See *Electromagnetic Compatibility (EMC)*, on page 2.
- Low Voltage (LVD) Directive 2006/95/EC. See *Safety*, on page 3.
- Restrictions of Hazardous Substances (RoHS) Directive 2011/65/EU. See *Disposal and Recycling*, on page 3.

A copy of the original declaration of conformity may be obtained from Axis Communications AB. See *Contact Information*, on page 3.

### Electromagnetic Compatibility (EMC)

This equipment has been designed and tested to fulfill applicable standards for:

- Radio frequency emission when installed according to the instructions and used in its intended environment.
- Immunity to electrical and electromagnetic phenomena when installed according to the instructions and used in its intended environment.

### USA

This equipment has been tested using a shielded network cable (STP) and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

### Canada

This Class A digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

### Europe

This digital equipment fulfills the requirements for RF emission according to the Class A limit of EN 55022. Notice! This is a Class A product. In a domestic environment this product may cause RF interference, in which case the user may be required to take adequate measures.

This product fulfills the requirements for emission and immunity according to EN 50121-4 and IEC 62236-4 railway applications.

This product fulfills the requirements for immunity according to EN 61000-6-1 residential, commercial and light-industrial environments.

This product fulfills the requirements for immunity according to EN 61000-6-2 industrial environments.

This product fulfills the requirements for immunity according to EN 55024 office and commercial environments

#### **Australia/New Zealand**

This digital equipment fulfills the requirements for RF emission according to the Class A limit of AS/NZS CISPR 22. Notice! This is a Class A product. In a domestic environment this product may cause RF interference, in which case the user may be required to take adequate measures.

#### **Japan**

この装置は、クラスA 情報技術装置です。この装置を家庭環境で使用すると電波妨害を引き起こすことがあります。この場合には使用者が適切な対策を講ずるよう要求されることがあります。

#### **Safety**

This product complies with IEC/EN/UL 60950-1, Safety of Information Technology Equipment.

#### **Disposal and Recycling**

When this product has reached the end of its useful life, dispose of it according to local laws and regulations. For information about your nearest designated collection point, contact your local authority responsible for waste disposal. In accordance with local legislation, penalties may be applicable for incorrect disposal of this waste.

#### **Europe**



■ This symbol means that the product shall not be disposed of together with household or commercial waste. Directive 2012/19/EU on waste electrical and electronic equipment (WEEE) is applicable in the European Union member states. To prevent potential harm to human health and the environment, the product must be disposed of in an approved and environmentally safe recycling process. For information about your nearest designated collection point, contact your local authority responsible for waste disposal. Businesses should contact the product supplier for information about how to dispose of this product correctly.

This product complies with the requirements of Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS).

#### **China**



This product complies with the requirements of the legislative act Administration on the Control of Pollution Caused by Electronic Information Products (ACPEIP).

#### **Contact Information**

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[www.axis.com](http://www.axis.com)



## Safety Information

Read through this Installation Guide carefully before installing the product. Keep the Installation Guide for future reference.

### Hazard Levels

**▲DANGER**

Indicates a hazardous situation which, if not avoided, will result in death or serious injury.

**▲WARNING**

Indicates a hazardous situation which, if not avoided, could result in death or serious injury.

**▲CAUTION**

Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

**NOTICE**

Indicates a situation which, if not avoided, could result in damage to property.

### Other Message Levels

**Important**

Indicates significant information which is essential for the product to function correctly.

**Note**

Indicates useful information which helps in getting the most out of the product.

## Safety Instructions

### **⚠WARNING**

- The Axis product shall be installed by a trained professional.

### **NOTICE**

- The Axis product shall be used in compliance with local laws and regulations.
- To use the Axis product outdoors, or in similar environments, it shall be installed in an approved outdoor housing.
- Store the Axis product in a dry and ventilated environment.
- Avoid exposing the Axis product to shocks or heavy pressure.
- Do not install the product on unstable brackets, surfaces or walls.
- Use only applicable tools when installing the Axis product. Excessive force could cause damage to the product.
- Do not use chemicals, caustic agents, or aerosol cleaners. Use a clean cloth dampened with pure water for cleaning.
- Use only accessories that comply with technical specification of the product. These can be provided by Axis or a third party.
- Use only spare parts provided by or recommended by Axis.
- Do not attempt to repair the product by yourself. Contact Axis support or your Axis reseller for service matters

## Transportation

### **NOTICE**

- When transporting the Axis product, use the original packaging or equivalent to prevent damage to the product.

## Installation Guide

This Installation Guide provides instructions for installing AXIS T8008 PS12 Power Supply in a cabinet from the AXIS T98A-VE Surveillance Cabinet Series to supply power to the Q60-C PTZ Dome Network Cameras.

## Installation Steps

1. Make sure the package contents, tools and other materials necessary for the installation are in order. See *page 7*.
2. Study the hardware overview. See *page 8*.
3. Study the specifications. See *page 8*.
4. Install the hardware. See *page 9*.

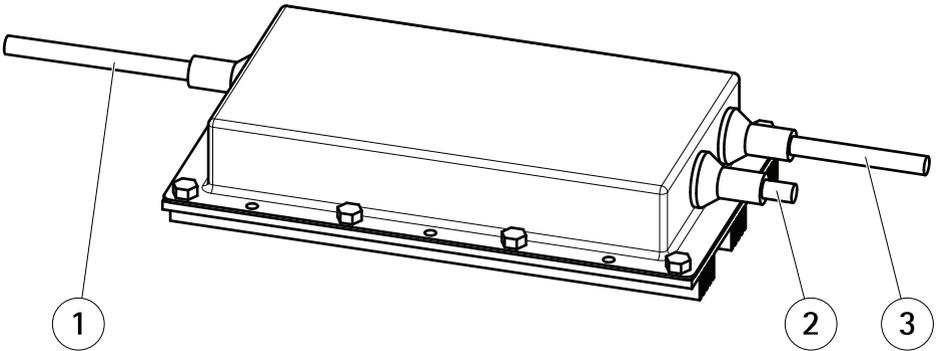
## Package Contents

- AXIS T8008 PS12 Power Supply
- Mounting bracket
- Screw kit
- DIN rail clip
- Installation Guide (this document)

## Recommended Tools

- Torx screwdriver T10
- Torx screwdriver T20

## Hardware Overview



- 1 AC input
- 2 Not used
- 3 DC output

## Specifications

### Operating Conditions

Classification	IIEC 60529 IP64 IEC 68-2-27 IEC 68-2-6/IEC 721-3-2
Temperature	-40 °C to 85 °C (-40 °F to 185 °F)
Humidity	10-100% RH (condensing)

### Technical Specifications

Input voltage	90-264 V AC (Operating) 115/230 V AC (Nominal)
Input frequency	47-63 Hz
Output voltage	12.5 V DC
Output current	20 A

# AXIS T8008 PS12 Power Supply

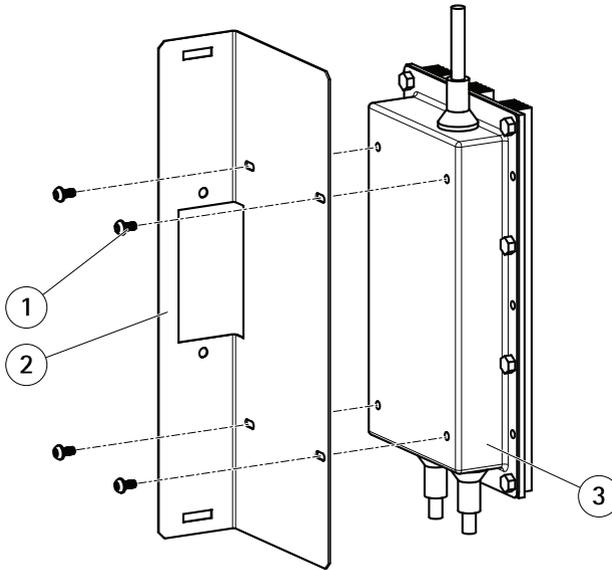
Rated Load	250 W maximum Minimum 85 W at 75 °C Derate output power from 45 °C to 85 °C
Overvoltage category (OVC)	II

## Install the Hardware

1. Attach the power supply to the mounting bracket.

### Note

Use the mounting bracket supplied with the power supply. The mounting bracket supplied with the AXIS T98A-VE Surveillance Cabinet can not be used with this power supply.

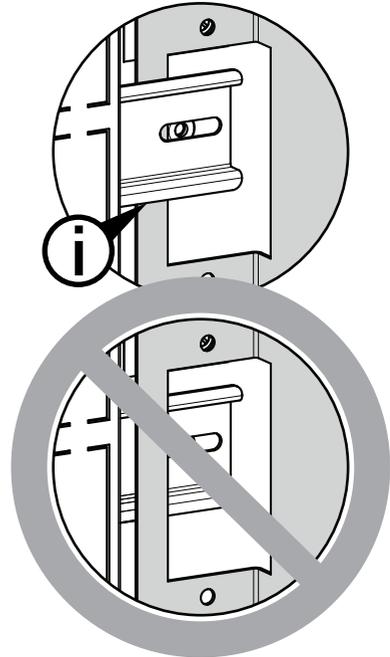
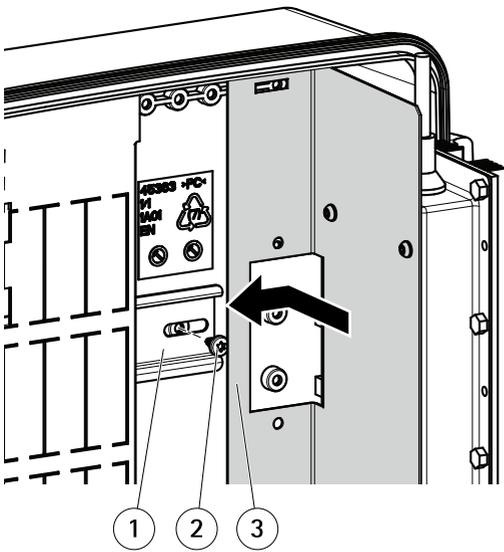


- 1 Screw
- 2 Mounting bracket
- 3 Power supply

2. Remove the screw at one end of the DIN rail and loosen the screw at the other end.
3. Insert the mounting bracket in the cabinet with the DIN rail running through it.

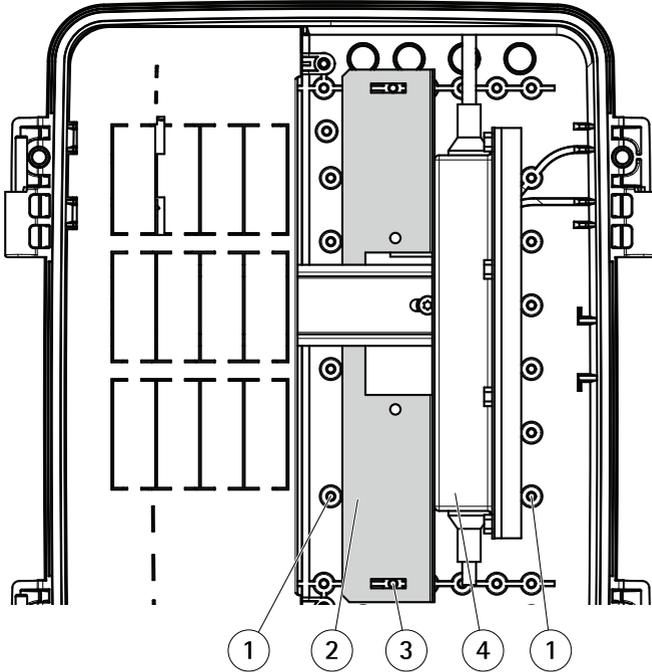
### **⚠ DANGER**

Risk of electric shock. The DIN rail needs to run through the mounting bracket to achieve a proper grounding of the power supply.



- 1 *DIN rail*
- 2 *Screw*
- 3 *Mounting bracket*

4. Align the mounting bracket with the plastic lugs as shown in the figure below and fasten it with the screws.
5. Fasten the screws in the DIN rail.



- 1 Plastic lug
- 2 Mounting bracket
- 3 Screw
- 4 Power supply

6. Connect the power supply. For information about wiring, see *Power Supply Cables*, on page 12.

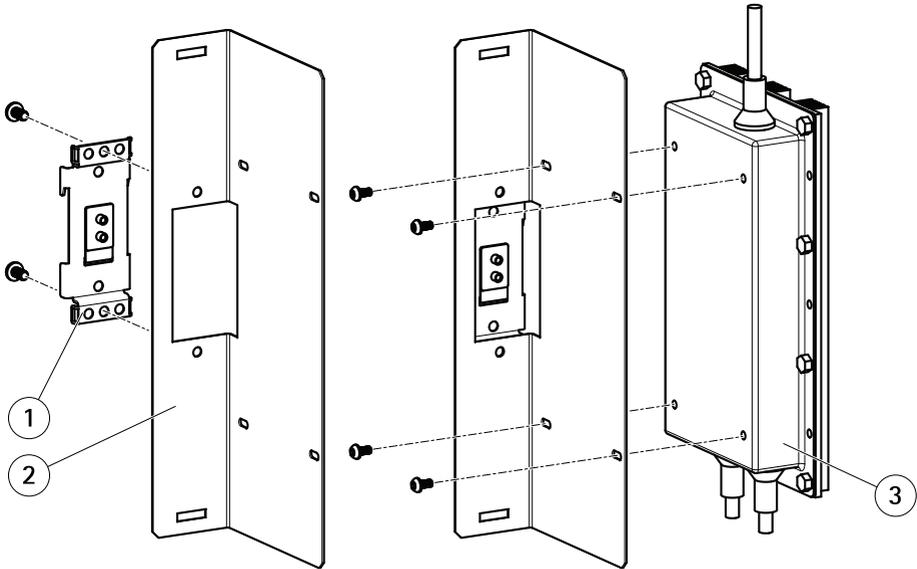
## Install on a DIN Rail

The power supply can be installed on a DIN rail using the supplied DIN clip.

### Note

It is not possible to use this method to install the power supply in a T98A series cabinet.

1. Attach the DIN clip to the mounting bracket.
2. Attach the power supply to the mounting bracket.



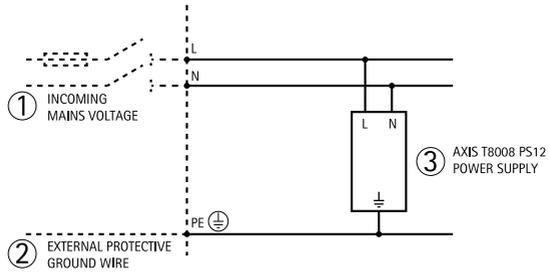
- 1 CIN clip
- 2 Mounting bracket
- 3 Power supply

## Power Supply Cables

Cable	Length	Designation	Wire Color	Cable Area
AC Input Cable	400 ± 10 mm (15.7 ± 0.4 in.)	L = Line	Brown	0.8 mm <sup>2</sup> (AWG 18)
		N = Neutral	Blue	0.8 mm <sup>2</sup> (AWG 18)
		PE = Protective Earth	Green/Yellow	0.8 mm <sup>2</sup> (AWG 18)
DC Output Cable	400 ± 10 mm (15.7 ± 0.4 in.)	+	Blue	2 mm <sup>2</sup> (AWG 14)
		-	Gray	2 mm <sup>2</sup> (AWG 14)

# AXIS T8008 PS12 Power Supply

## Connection Diagram



- 1 Incoming mains voltage
- 2 External protective ground wire
- 3 AXIS T8008 PS12 Power Supply

### Note

For use in an OVC III electrical environment, add a surge protector such as AXIS Electrical Safety Kit A 120 V AC or AXIS Electrical Safety Kit B 230 V AC.

## Warranty Information

For information about Axis' product warranty and thereto related information, see [www.axis.com/warranty/](http://www.axis.com/warranty/)

