

## AXIS TQ1827-VE Safety Cabinet

Electrical safety cabinet for dome cameras

This robust cabinet protects internal equipment and is pre-assembled with Electrical Safety Kit A 120 V AC or Electrical Safety Kit B 230 V to ensure the safety and proper operation of the electrical equipment inside. It can handle extreme temperatures, harsh environments, and vandalism, and it complies with the 4M4 vibration standard to withstand vibrations and mechanical stress. Compatible with selected Axis dome cameras, it's lightweight, easy to install, and comes with a stainless-steel mounting plate, pre-mounted cable gaskets, DIN rail, and cabinet door screws. Ideal for remote locations, it safely houses and protects both mains power and low-voltage units.

- > Available with either 120 V or 230 V
- > IP66-, IK10- and NEMA 4X-rated
- > Lightweight and easy to install
- > Resists vibrations and mechanical stress
- > Designed for dome cameras



## AXIS TQ1827-VE Safety Cabinet

### Variants

AXIS TQ1827-VE Safety Cabinet 120 V  
AXIS TQ1827-VE Safety Cabinet 230 V

### Approvals

#### Product markings

UL/cUL, CE

#### Supply chain

TAA compliant

#### Safety

CAN/CSA C22.2 No. 62368-1 ed. 3,  
IEC/EN/UL 62368-1 ed. 3, RCM AS/NZS 62368.1:2022

#### Environment

IEC 60068-2-6, IEC 60068-2-27, IEC/EN 60529 IP66,  
IEC/EN 62262 IK10, NEMA 250 Type 4X

### General

#### Casing

IP66-, NEMA 4X- and IK10-rated  
Plastic  
Stainless steel mounting plate  
Color: white NCS S 1002-B

#### Operating conditions

Temperature: -40 °C to 85 °C (-40 °F to 185 °F)  
Humidity: 10–100% RH (non-condensing)

#### Storage conditions

Temperature: -40 °C to 85 °C (-40 °F to 185 °F)  
Humidity: 5–95% RH (non-condensing)

#### Dimensions

For the overall product dimensions, see the dimension drawing in this datasheet.  
Effective Projected Area (EPA): 0.093 m<sup>2</sup> (1.0 ft<sup>2</sup>)

#### Weight

3930 g (8.7 lb)

#### Box content

Safety cabinet, electrical safety kit, installation guide, third party documentation

#### Warranty

3-year warranty, see [axis.com/warranty](https://axis.com/warranty)

#### Part numbers

Available at [axis.com/products/axis-tq1827-ve#part-numbers](https://axis.com/products/axis-tq1827-ve#part-numbers)

### Optional accessories

AXIS Cabinet Lock A, AXIS Door Switch A,  
AXIS TQ1807-VE Cabinet Door, AXIS TQ1816-VE  
Cabinet Door  
For more accessories, go to [axis.com/products/axis-tq1827-ve#compatible-products](https://axis.com/products/axis-tq1827-ve#compatible-products)

### Sustainability

#### Substance control

PVC free, BFR/CFR free in accordance with JEDEC/ECA Standard JS709  
RoHS in accordance with EU RoHS Directive 2011/65/EU and 2015/863, and standard EN IEC 63000:2018  
REACH in accordance with (EC) No 1907/2006. For SCIP UUID, see [echa.europa.eu](https://echa.europa.eu)

#### Materials

Screened for conflict minerals in accordance with OECD guidelines  
To read more about sustainability at Axis, go to [axis.com/about-axis/sustainability](https://axis.com/about-axis/sustainability)

#### Environmental responsibility

[axis.com/environmental-responsibility](https://axis.com/environmental-responsibility)  
Axis Communications is a signatory of the UN Global Compact, read more at [unglobalcompact.org](https://unglobalcompact.org)

## Electrical Safety Kit A 120 V AC/Electrical Safety Kit B 230 V AC

### Approvals

#### Product markings

UL/cUL, CE, RCM, UKCA

#### Supply chain

TAA compliant

## Safety

Surge protector: IEC/EN 61643-11  
MCB fuse: IEC 60947-2  
Terminal block: IEC 60947-7-1:2009,  
IEC 60947-7-2:2009

## General

### Power

Surge protector:  
120 V AC  
Surge voltage category: III  
Requirements category acc. to IEC 61643-11: Type II,  
Type III  
Mains voltage: 120 V/240 V  
Discharge current  $I_n$  (8/20 $\mu$ s) wire-PE: 20 kA  
Short-circuit current rating  $I_{SCCR}$ : 50 kA  
Combined pulse  $U_{OC}$ : 6 kV  
Low voltage network: Single-phase, TN-S  
Response time/fallback time:  $\leq 25$  ns  
Temporary surge voltage (over-voltage) -  $U_{TOV}$ : 229 V  
Max. continuous voltage,  $U_c$  (AC): 150 V  
Discharge current  $I_{max}$  (8/20 $\mu$ s) wire-PE: 50 kA  
Discharge current (type III): 3 kA  
Protection level  $U_p$  at IN (L/N-PE):  $\leq 1.25$  kV  
230 V AC  
Surge voltage category: III  
Requirements category acc. to IEC 61643-11: Type II,  
Type III  
Mains voltage: 230 V/400 V  
Discharge current  $I_n$  (8/20 $\mu$ s) wire-PE: 20 kA  
Short-circuit current rating  $I_{SCCR}$ : 50 kA  
Combined pulse  $U_{OC}$ : 6 kV  
Low voltage network: Single-phase, TN-S  
Response time/fallback time:  $\leq 25$  ns  
Temporary surge voltage (over-voltage) -  $U_{TOV}$ : 337 V  
Max. continuous voltage,  $U_c$  (AC): 300 V  
Discharge current  $I_{max}$  (8/20 $\mu$ s) wire-PE: 50 kA  
Discharge current (type III): 3 kA  
Protection level  $U_p$  at IN (L/N-PE):  $\leq 1.5$  kV

### MCB fuse:

Breaking capacity: 3 kA  $I_{cu}$  415 V AC EN/IEC 60947-2,  
10 kA  $I_{cu}$  240 V AC EN/IEC 60947-2,  
14 kA AIR 240 V AC UL 489  
Tripping Curve C

### Operating conditions

Temperature: -30 °C to 70 °C (-22 °F to 158 °F)  
Humidity: 5-95% RH (non-condensing)

### Storage conditions

Temperature: -40 °C to 85 °C (-40 °F to 185 °F)  
Humidity: 5-95% RH (non-condensing)

### Dimensions

For the overall product dimensions, see the dimension drawing in the Electrical Safety Kit datasheet.

## Weight

263 g (0.6 lb)

## Warranty

3-year warranty, see [axis.com/warranty](https://axis.com/warranty)

## Part numbers

### Electrical Safety Kit A 120 V AC

Available at [axis.com/products/electrical-safety-kit-a-120-v-ac#part-numbers](https://axis.com/products/electrical-safety-kit-a-120-v-ac#part-numbers)

### Electrical Safety Kit B 230 V AC

Available at [axis.com/products/electrical-safety-kit-b-230-v-ac#part-numbers](https://axis.com/products/electrical-safety-kit-b-230-v-ac#part-numbers)

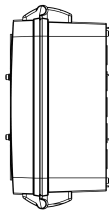
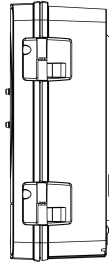
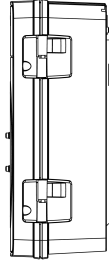
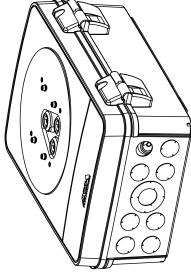
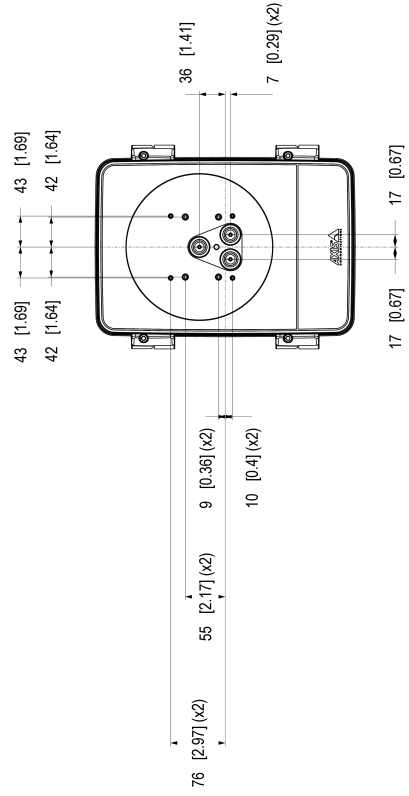
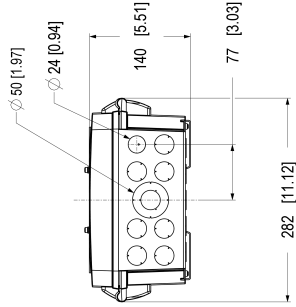
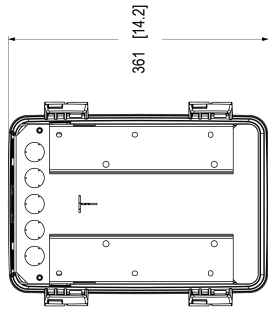
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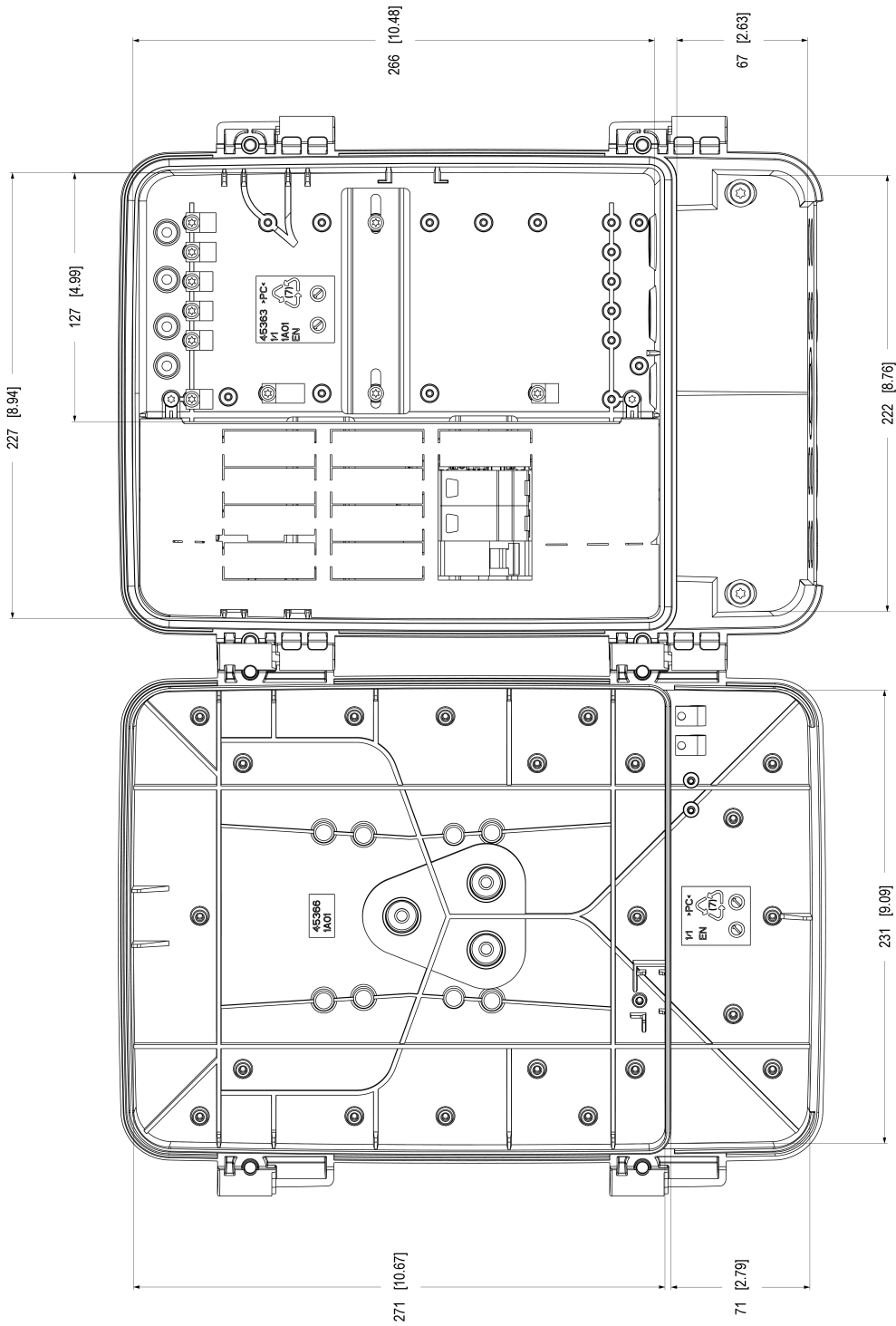
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Dimensions in mm [inches]			
Rev	Date	By	Appr
0001	May 12	WJZ	LJ
0002			
0003			
0004			

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Dimensions (mm [inch])	
2026 May 12	M1.2 L1
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