

# Specifications



## Eaton 061937

Eaton xEnergy Safety Ci LV systems LV switchgear. MCB enclosure, +door, 3x15space units, HxWxD=375x375x150mm

### General specifications

|                             |                                       |
|-----------------------------|---------------------------------------|
| <b>PRODUCT NAME</b>         | Eaton xEnergy Safety Ci MCB enclosure |
| <b>CATALOG NUMBER</b>       | 061937                                |
| <b>MODEL CODE</b>           | AE/I44E/T                             |
| <b>EAN</b>                  | 4015080619376                         |
| <b>PRODUCT LENGTH/DEPTH</b> | 150 mm                                |
| <b>PRODUCT HEIGHT</b>       | 375 mm                                |
| <b>PRODUCT WIDTH</b>        | 375 mm                                |
| <b>PRODUCT WEIGHT</b>       | 3.88 kg                               |
| <b>COMPLIANCES</b>          | RoHS conform                          |
| <b>CERTIFICATIONS</b>       | EN 61439-2<br>EN 62208                |



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## Additional information

### FUNCTIONS

Prepared enclosure  
Sealable

### RAL-NUMBER

7035

### SPECIAL FEATURES

- Metric cable entry knockouts in all sides
- Housings for e.g. built-in devices MCB, RCD, RCBO, AFDD
- Transparent door for operator access to devices fitted
- Metal mounting rail for snapping on devices
- 1 x Blanking strip for unused mounting locations
- Protective shroud with inscription label
- PE/N combi-plug-in terminals
- Fixing straps for wall fixing
- Sealable cover fasteners

## Delivery programme

### ACCESSORY/SPARE PART TYPE

MCB individual enclosures

### COLOR

Gray

### TYPE

- MCB individual enclosures
- Prepared enclosure
- xEnergy Safety Ci

## Design verification to IEC/EN 61439

|                                                                                         |                                                                                                                                     |
|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| <b>10.10 TEMPERATURE RISE</b>                                                           | The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.    |
| <b>10.11 SHORT-CIRCUIT RATING</b>                                                       | Is the panel builder's responsibility.                                                                                              |
| <b>10.12 ELECTROMAGNETIC COMPATIBILITY</b>                                              | Is the panel builder's responsibility.                                                                                              |
| <b>10.13 MECHANICAL FUNCTION</b>                                                        | Meets the product standard's requirements.                                                                                          |
| <b>10.2.2 CORROSION RESISTANCE</b>                                                      | Meets the product standard's requirements.                                                                                          |
| <b>10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES</b>                         | Meets the product standard's requirements.                                                                                          |
| <b>10.2.3.2 VERIFICATION OF RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT</b>       | Meets the product standard's requirements.                                                                                          |
| <b>10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS</b> | Lower part: 960 °C / cover: 850 °C; meets the product standard's requirements.                                                      |
| <b>10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION</b>                                 | Not relevant to indoor installations.                                                                                               |
| <b>10.2.5 LIFTING</b>                                                                   | 20 kg per enclosure with support frame and lifting aid met; assembled and secured as per the latest applicable instruction leaflet. |
| <b>10.2.6 MECHANICAL IMPACT</b>                                                         | IK10                                                                                                                                |
| <b>10.2.7 INSCRIPTIONS</b>                                                              | Meets the product standard's requirements.                                                                                          |
| <b>10.3 DEGREE OF PROTECTION OF ASSEMBLIES</b>                                          | IP65                                                                                                                                |
| <b>10.4 CLEARANCES AND CREEPAGE DISTANCES</b>                                           | Is the panel builder's responsibility.                                                                                              |
| <b>10.5 PROTECTION AGAINST ELECTRIC SHOCK</b>                                           | Protection class 2, therefore not applicable.                                                                                       |
| <b>10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS</b>                           | Is the panel builder's responsibility.                                                                                              |
| <b>10.7 INTERNAL</b>                                                                    | Is the panel builder's                                                                                                              |

## Technical data - mechanical

|                                                   |                                                          |
|---------------------------------------------------|----------------------------------------------------------|
| <b>CLOSURE TYPE</b>                               | Other                                                    |
| <b>COVER/DOOR COLOR</b>                           | Transparent                                              |
| <b>COVER/DOOR MODEL</b>                           | Closed                                                   |
| <b>COVER/DOOR TYPE</b>                            | Door<br>Transparent<br>Single                            |
| <b>DEGREE OF PROTECTION</b>                       | IP65                                                     |
| <b>ENCLOSURE MATERIAL</b>                         | Plastic                                                  |
| <b>INTERNAL DEPTH</b>                             | 150 mm                                                   |
| <b>NUMBER AND CAPACITY OF TERMINAL (PE AND N)</b> | On each 3 x (2.5 - 25 mm²)<br>On each 21 x (0.5 - 4 mm²) |
| <b>NUMBER OF MODULE SPACE UNITS (TOTAL)</b>       | 45                                                       |
| <b>NUMBER OF ROWS</b>                             | 3                                                        |
| <b>UNIT TYPE</b>                                  | Stand-alone device                                       |
| <b>WIDTH IN NUMBER OF MODULAR SPACINGS</b>        | 15                                                       |
| <b>BUILT-IN DEPTH</b>                             | 100 mm                                                   |
| <b>MOUNTING METHOD</b>                            | DIN-rail<br>Surface mounted (plaster)                    |

|                                                                 |                                            |
|-----------------------------------------------------------------|--------------------------------------------|
| <b>ELECTRICAL CIRCUITS AND CONNECTIONS</b>                      | responsibility.                            |
| <b>10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS</b>                 | Is the panel builder's responsibility.     |
| <b>10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH</b>                 | Ui = 1000 V AC                             |
| <b>10.9.3 IMPULSE WITHSTAND VOLTAGE</b>                         | 8 kV                                       |
| <b>10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL</b> | Meets the product standard's requirements. |

### Temperature-rise verification as per IEC 60890

|                                                                                        |      |
|----------------------------------------------------------------------------------------|------|
| <b>HEAT DISS. AMBIENT 35°C DELTA T: 20°C WALL MOUNT MIDDLE ENCL. TOP (IEC 60890)</b>   | 23 W |
| <b>HEAT DISS. AMBIENT 35°C DELTA T: 35°C WALL MOUNT MIDDLE ENCL. TOP (IEC 60890)</b>   | 45 W |
| <b>HEAT DISS. AMBIENT 35°C DELTA T: 20°C WALL MOUNT INDIVID. ENCL. TOP (IEC 60890)</b> | 25 W |
| <b>HEAT DISS. AMBIENT 35°C DELTA T: 20°C WALL MOUNT STARTING ENCL. TOP (IEC 60890)</b> | 24 W |
| <b>HEAT DISS. AMBIENT 35°C DELTA T: 35°C WALL MOUNT INDIVID. ENCL. TOP (IEC 60890)</b> | 51 W |
| <b>HEAT DISS. AMBIENT 35°C DELTA T: 35°C WALL MOUNT STARTING ENCL. TOP (IEC 60890)</b> | 48 W |

### Resources

|                            |                                                                                                                                                                                                       |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BROCHURES                  | <a href="#">eaton-xenergy-safety-ci-subway-line-success-story-en-us.pdf</a>                                                                                                                           |
| CATALOGUES                 | <a href="#">eaton-xenergy-ci-safety-catalog-ca015006en-en-us.pdf</a>                                                                                                                                  |
| DECLARATIONS OF CONFORMITY | <a href="#">eaton-empty-enclosure-declaration-of-conformity-eu250306en.pdf</a>                                                                                                                        |
| DRAWINGS                   | <a href="#">eaton-distribution-boards-enclosure-xenergy-safety-ci-mcb-enclosure-dimensions-003.eps</a><br><a href="#">eaton-lighting-enclosure-xenergy-safety-ci-mcb-enclosure-dimensions-003.eps</a> |
| INSTALLATION INSTRUCTIONS  | <a href="#">eaton-xenergy-safety-ci-enclosure-brochure-br014001en-en-us.pdf</a><br><a href="#">IL015090ZU</a>                                                                                         |
| MCAD MODEL                 | <a href="#">eaton-empty-consumer-units-mcad-drawings-ae-i44e-t.dwg</a><br><a href="#">ae_i44e_t.stp</a>                                                                                               |

|                 |
|-----------------|
| PROJECT NAME:   |
| PROJECT NUMBER: |
| PREPARED BY:    |
| DATE:           |



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