



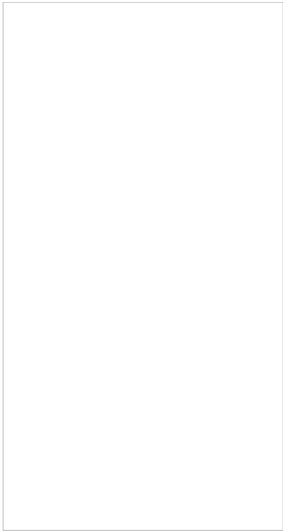
XENERGY SAFETY CI  
036089

  
Overview

  
Specifications

  
Resources

How to



036089

Eaton xEnergy Safety Ci LV systems LV switchgear  
mounting rail vertical, HxWxD=250x187.5x150mm

Access the Online Catalog



GENERAL SPECIFICATIONS

General specifications



|                      |                                       |
|----------------------|---------------------------------------|
| PRODUCT NAME         | Eaton xEnergy Safety Ci MCB enclosure |
| CATALOG NUMBER       | 036089                                |
| MODEL CODE           | AV/I23-125                            |
| EAN                  | 4015080360896                         |
| PRODUCT LENGTH/DEPTH | 150 mm                                |
| PRODUCT HEIGHT       | 250 mm                                |
| PRODUCT WIDTH        | 188 mm                                |
| PRODUCT WEIGHT       | 1.5 kg                                |
| COMPLIANCES          | RoHS conform                          |
| CERTIFICATIONS       | EN 62208<br>EN 61439-2                |

Product specifications



## PRODUCT SPECIFICATIONS

|                                                          |                                                                                                                                                                                                                                                                                                                                |
|----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 10.11 SHORT-CIRCUIT RATING                               | Is the panel builder's responsibility.                                                                                                                                                                                                                                                                                         |
| CIRCUIT INTEGRITY                                        | Other                                                                                                                                                                                                                                                                                                                          |
| PLATE THICKNESS (COVER/DOOR)                             | 6 mm                                                                                                                                                                                                                                                                                                                           |
| RAL-NUMBER                                               | 7035                                                                                                                                                                                                                                                                                                                           |
| 10.4 CLEARANCES AND CREEPAGE DISTANCES                   | Is the panel builder's responsibility.                                                                                                                                                                                                                                                                                         |
| 10.12 ELECTROMAGNETIC COMPATIBILITY                      | Is the panel builder's responsibility.                                                                                                                                                                                                                                                                                         |
| PLATE THICKNESS (CABINET)                                | 6 mm                                                                                                                                                                                                                                                                                                                           |
| MOUNTING METHOD                                          | Surface mounted (plaster)                                                                                                                                                                                                                                                                                                      |
| 10.2.5 LIFTING                                           | 5 kg per enclosure with support frame and lifting aid secured as per the latest applicable instruction leaflet                                                                                                                                                                                                                 |
| 10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES | Meets the product standard's requirements.                                                                                                                                                                                                                                                                                     |
| NUMBER OF OPENINGS (FLANGE PLATES)                       | 4                                                                                                                                                                                                                                                                                                                              |
| 10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS                 | Is the panel builder's responsibility.                                                                                                                                                                                                                                                                                         |
| COVER/DOOR MODEL                                         | Closed                                                                                                                                                                                                                                                                                                                         |
| INTERNAL DEPTH                                           | 125 mm                                                                                                                                                                                                                                                                                                                         |
| SPECIAL FEATURES                                         | Housing prepared for distribution board Two sides closed out two sides open Housings for e.g. built-in devices RCBO, AFDD Transparent cover with quick-release rails for snap-fitting the devices Blanking strip for unused locations Protective shroud with inscription label See W/o PE/N terminals, please order separately |
| COLOR                                                    | Gray                                                                                                                                                                                                                                                                                                                           |
| UNIT TYPE                                                | Stand-alone device                                                                                                                                                                                                                                                                                                             |
| BUILT-IN DEPTH                                           | 100 mm                                                                                                                                                                                                                                                                                                                         |
| FEATURES                                                 | Cover with overpressure release                                                                                                                                                                                                                                                                                                |
| 10.9.3 IMPULSE WITHSTAND VOLTAGE                         | 8 kV                                                                                                                                                                                                                                                                                                                           |
| 10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS   | Is the panel builder's responsibility.                                                                                                                                                                                                                                                                                         |
| 10.5 PROTECTION AGAINST ELECTRIC SHOCK                   | Protection class 2, therefore not applicable.                                                                                                                                                                                                                                                                                  |
| COVER/DOOR COLOR                                         | Transparent                                                                                                                                                                                                                                                                                                                    |
| SURFACE PROTECTION                                       | Other                                                                                                                                                                                                                                                                                                                          |
| COVER/DOOR TYPE                                          | None<br>Optional<br>Transparent                                                                                                                                                                                                                                                                                                |
| 10.13 MECHANICAL FUNCTION                                | Meets the product standard's requirements.                                                                                                                                                                                                                                                                                     |

|                                                                                         |                                                                                                                 |
|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| <b>10.2.6 MECHANICAL IMPACT</b>                                                         | IK10                                                                                                            |
| <b>10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL</b>                         | Meets the product standard's requirements.                                                                      |
| <b>10.3 DEGREE OF PROTECTION OF ASSEMBLIES</b>                                          | IP65                                                                                                            |
| <b>NOMINAL CURRENT</b>                                                                  | 1600 A                                                                                                          |
| <b>ACCESSORY/SPARE PART TYPE</b>                                                        | Enclosures for miniature circuit breakers                                                                       |
| <b>SUITABLE FOR</b>                                                                     | Lightning protection<br>Outdoor use                                                                             |
| <b>NUMBER OF ROWS</b>                                                                   | 1                                                                                                               |
| <b>NUMBER OF MODULE SPACE UNITS (TOTAL)</b>                                             | 9                                                                                                               |
| <b>PROTECTION CLASS</b>                                                                 | II                                                                                                              |
| <b>WIDTH IN NUMBER OF MODULAR SPACINGS</b>                                              | 9                                                                                                               |
| <b>HEAT DISS. AMBIENT 35°C DELTA T: 35°C WALL MOUNT STARTING ENCL. TOP (IEC 60890)</b>  | 22 W                                                                                                            |
| <b>NUMBER OF CONDUIT INLETS</b>                                                         | 30                                                                                                              |
| <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                                                                              |
| <b>10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH</b>                                         | Ui = 1000 V AC                                                                                                  |
| <b>DEGREE OF PROTECTION</b>                                                             | IP65<br>IK10<br>Other                                                                                           |
| <b>HEAT DISS. AMBIENT 35°C DELTA T: 20°C WALL MOUNT INDIVID. ENCL. TOP (IEC 60890)</b>  | 12 W                                                                                                            |
| <b>HEAT DISS. AMBIENT 35°C DELTA T: 20°C WALL MOUNT MIDDLE ENCL. TOP (IEC 60890)</b>    | 10 W                                                                                                            |
| <b>HEAT DISS. AMBIENT 35°C DELTA T: 35°C WALL MOUNT INDIVID. ENCL. TOP (IEC 60890)</b>  | 24 W                                                                                                            |
| <b>10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS</b>                                | Is the panel builder's responsibility.                                                                          |
| <b>HEAT DISS. AMBIENT 35°C DELTA T: 35°C WALL MOUNT MIDDLE ENCL. TOP (IEC 60890)</b>    | 20 W                                                                                                            |
| <b>10.10 TEMPERATURE RISE</b>                                                           | The panel builder is responsible for the temperature<br>Eaton will provide heat dissipation data for the device |
| <b>HEAT DISS. AMBIENT 35°C DELTA T: 20°C WALL MOUNT STARTING ENCL. TOP (IEC 60890)</b>  | 11 W                                                                                                            |
| <b>ENCLOSURE MATERIAL</b>                                                               | Plastic                                                                                                         |
| <b>TYPE</b>                                                                             | Enclosures for miniature circuit breakers Prepared on                                                           |

|                                                  |                                            |
|--------------------------------------------------|--------------------------------------------|
|                                                  | Safety Ci                                  |
| 10.2.2 CORROSION RESISTANCE                      | Meets the product standard's requirements. |
| 10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION | Not relevant to indoor installations.      |
| 10.2.7 INSCRIPTIONS                              | Meets the product standard's requirements. |
| BASE TYPE                                        | Partially closed, foldable                 |
| NUMBER OF MODULES                                | 1                                          |

Brochures

Catalogs

Drawings

Installation instructions

mCAD model

036089



Eaton is an intelligent power management company dedicated to improving the quality of life and protecting the environment for people everywhere. We are guided by our commitment to do business right, to operate sustainably and to help our customers manage power — today and well into the future. By capitalizing on the global growth trends of electrification and digitalization, we’re accelerating the planet’s transition to renewable energy and helping to solve the world’s most urgent power management challenges.

