

# Specifications



## Eaton 083647

Eaton xEnergy Safety Ci LV systems LV switchgear. Cap, transparent smoky gray, HxWxD=750x375x150mm

### General specifications

|                             |                                               |
|-----------------------------|-----------------------------------------------|
| <b>PRODUCT NAME</b>         | Eaton xEnergy Safety Ci empty enclosure cover |
| <b>CATALOG NUMBER</b>       | 083647                                        |
| <b>MODEL CODE</b>           | D250-CI48                                     |
| <b>EAN</b>                  | 4015080836476                                 |
| <b>PRODUCT LENGTH/DEPTH</b> | 190 mm                                        |
| <b>PRODUCT HEIGHT</b>       | 750 mm                                        |
| <b>PRODUCT WIDTH</b>        | 375 mm                                        |
| <b>PRODUCT WEIGHT</b>       | 1.92 kg                                       |
| <b>COMPLIANCES</b>          | RoHS conform                                  |

### Additional information

|                         |                                                                      |
|-------------------------|----------------------------------------------------------------------|
| <b>FUNCTIONS</b>        | Basic enclosure                                                      |
| <b>RAL-NUMBER</b>       | 0                                                                    |
| <b>SPECIAL FEATURES</b> | Sealable cover fasteners                                             |
| <b>SUITABLE FOR</b>     | Outdoor set-up                                                       |
| <b>USED WITH</b>        | U-CI48...<br>xEnergy Safety Ci<br>Enclosure cover<br>Basic enclosure |

### Delivery programme

|                                  |                                                                                                                         |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| <b>ACCESSORY/SPARE PART TYPE</b> | Enclosure cover without apertures                                                                                       |
| <b>COLOR</b>                     | Transparent, smoky gray<br>Other                                                                                        |
| <b>TYPE</b>                      | <ul style="list-style-type: none"><li>• Basic enclosure</li><li>• Enclosure cover</li><li>• xEnergy Safety Ci</li></ul> |

## 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> | 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>                                                                   | 40 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, with base unit                                                                                                                |
| <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>COVER/DOOR TYPE</b>   | Transparent    |
| <b>MATERIAL</b>          | Plastic        |
| <b>MOUNTING DEPTH</b>    | 250 mm         |
| <b>SURFACE FINISHING</b> | Untreated      |
| <b>UNIT TYPE</b>         | Modular system |

|                                                                 |                                            |
|-----------------------------------------------------------------|--------------------------------------------|
| <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>   | 35 W |
| <b>HEAT DISS. AMBIENT 35°C DELTA T: 35°C WALL MOUNT MIDDLE ENCL. TOP (IEC 60890)</b>   | 70 W |
| <b>HEAT DISS. AMBIENT 35°C DELTA T: 20°C WALL MOUNT INDIVID. ENCL. TOP (IEC 60890)</b> | 40 W |
| <b>HEAT DISS. AMBIENT 35°C DELTA T: 20°C WALL MOUNT STARTING ENCL. TOP (IEC 60890)</b> | 38 W |
| <b>HEAT DISS. AMBIENT 35°C DELTA T: 35°C WALL MOUNT INDIVID. ENCL. TOP (IEC 60890)</b> | 80 W |
| <b>HEAT DISS. AMBIENT 35°C DELTA T: 35°C WALL MOUNT STARTING ENCL. TOP (IEC 60890)</b> | 75 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>                                             |
| DRAWINGS                  | <a href="#">eaton-enclosures-xenergy-safety-ci-cover-3d-drawing.eps</a>                                          |
| INSTALLATION INSTRUCTIONS | <a href="#">eaton-xenergy-safety-ci-enclosure-brochure-br014001en-en-us.pdf</a><br><a href="#">d250_ci48.stp</a> |
| MCAD MODEL                | <a href="#">eaton-enclosure-covers-mcad-drawings-d250-ci48.dwg</a>                                               |

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



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