# Specifications



## Eaton 001893

Eaton xEnergy Safety Ci LV systems LV switchgear. Base, individual enclosure, HxWxD=500x375x120mm

| General Specifications | |
|---|---|
| **PRODUCT NAME** | Eaton xEnergy Safety Ci empty enclosure base |
| **CATALOG NUMBER** | 001893 |
| **PRODUCT LENGTH/DEPTH** | 120 mm |
| **PRODUCT HEIGHT** | 500 mm |
| **PRODUCT WIDTH** | 375 mm |
| **PRODUCT WEIGHT** | 4.999 kg |
| **COMPLIANCES** | RoHS conform |
| **CERTIFICATIONS** | EN 61439-2<br>EN 62208 |
| **EAN** | 4015080018933 |
| **MODEL CODE** | U-CI45E |

## Product specifications

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| **SPECIAL FEATURES** | Flanges #024355 Distance frame for CI45... #110103 Metric cable entry knockouts in all sides Full-area knockouts in the sides |
| **TYPE** | Basic enclosure Enclosure bases xEnergy Safety Ci |
| **FEATURES** | Cover with overpressure release |
| **10.10 TEMPERATURE RISE** | The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices. |
| **10.11 SHORT-CIRCUIT RATING** | Is the panel builder's responsibility. |
| **10.12 ELECTROMAGNETIC COMPATIBILITY** | Is the panel builder's responsibility. |
| **10.13 MECHANICAL FUNCTION** | Meets the product standard's requirements. |
| **10.2.2 CORROSION RESISTANCE** | Meets the product standard's requirements. |
| **10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES** | Meets the product standard's requirements. |
| **10.2.3.2 VERIFICATION OF RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT** | Meets the product standard's requirements. |
| **10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS** | 960 °C |
| **10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION** | Not relevant to indoor installations. |
| **10.2.5 LIFTING** | 30 kg per enclosure with support frame and lifting aid met; assembled and secured as per the latest applicable instruction leaflet. |
| **10.2.6 MECHANICAL IMPACT** | IK10 |
| **10.2.7 INSCRIPTIONS** | Meets the product standard's requirements. |
| **10.3 DEGREE OF PROTECTION OF ASSEMBLIES** | IP65, with cover |
| **10.4 CLEARANCES AND CREEPAGE DISTANCES** | Is the panel builder's responsibility. |
| **10.5 PROTECTION AGAINST ELECTRIC SHOCK** | Protection class 2, therefore not applicable. |
| **10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS** | Is the panel builder's responsibility. |

## Resources

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| **BROCHURES** | eaton-xenergy-safety-ci-enclosure-brochure-br014001en-en-us.pdf<br><br>eaton-xenergy-safety-ci-subway-line-success-story-en-us.pdf |
| **CATALOGUES** | eaton-xenergy-ci-safety-catalog-ca015006en-en-us.pdf |
| **DECLARATIONS OF CONFORMITY** | eaton-empty-enclosure-declaration-of-conformity-eu250306en.pdf |
| **DRAWINGS** | eaton-enclosures-enclosure-xenergy-safety-ci-base-dimensions-004.eps<br><br>eaton-enclosures-base-xenergy-safety-ci-3d-drawing-002.eps |
| **INSTALLATION INSTRUCTIONS** | 05670392.pdf |
| **MCAD MODEL** | u_ci45e.stp |

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| **10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS** | Is the panel builder's responsibility. |
| **10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS** | Is the panel builder's responsibility. |
| **10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH** | Ui = 1000 V AC |
| **10.9.3 IMPULSE WITHSTAND VOLTAGE** | 8 kV |
| **10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL** | Meets the product standard's requirements. |
| **ACCESSORY/SPARE PART TYPE** | Individual enclosure bottoms |
| **DEGREE OF PROTECTION** | IP65<br>Other<br>IK10 |
| **ENCLOSURE MATERIAL** | Plastic |
| **SURFACE PROTECTION** | Other |
| **CIRCUIT INTEGRITY** | Other |
| **BASE TYPE** | Full-area knockouts |
| **UNIT TYPE** | Modular system |
| **BUILT-IN DEPTH** | 200 mm |
| **HEAT DISS. AMBIENT 35°C DELTA T:20°C WALL MOUNT INDIVID. ENCL. TOP (IEC 60890)** | 27 W |
| **HEAT DISS. AMBIENT 35°C DELTA T: 20°C WALL MOUNT MIDDLE ENCL. TOP (IEC 60890)** | 24 W |
| **HEAT DISS. AMBIENT 35°C DELTA T:20°C WALL MOUNT STARTING ENCL. TOP (IEC 60890)** | 25 W |
| **HEAT DISS. AMBIENT 35°C DELTA T:35°C WALL MOUNT INDIVID. ENCL. TOP (IEC 60890)** | 53 W |
| **HEAT DISS. AMBIENT 35°C DELTA T: 35°C WALL MOUNT MIDDLE ENCL. TOP (IEC 60890)** | 48 W |
| **HEAT DISS. AMBIENT 35°C DELTA T:35°C WALL MOUNT STARTING ENCL. TOP (IEC 60890)** | 51 W |
| **COLOR** | Gray |
| **COVER/DOOR MODEL** | Closed |
| **COVER/DOOR TYPE** | Optional<br>None |
| **NUMBER OF OPENINGS (FLANGE PLATES)** | 6 |
| **PLATE THICKNESS (CABINET)** | 6 mm |
| **PLATE THICKNESS (COVER/DOOR)** | 6 mm |

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| **RAL-NUMBER** | 7035 |
| **WIDTH IN NUMBER OF MODULAR SPACINGS** | 17 |
| **CABLE ENTRY TYPE** | 2 x M20<br>Top and bottom<br>Transverse<br>6 x M25/16<br>8 x M25/16<br>2 x M40/25<br>On each 2:<br>1 x M50/32 |
| **MOUNTING METHOD** | Surface mounted (plaster) |
| **NUMBER OF ROWS** | 0 |
| **FUNCTIONS** | Extension possible |
| **PROTECTION CLASS** | II |
| **NUMBER OF MODULES** | 1 |
| **INTERNAL DEPTH** | 100 mm |
| **NOMINAL CURRENT** | 1600 A |
| **NUMBER OF CONDUIT INLETS** | 104 |
| **SUITABLE FOR** | Lightning protection<br>Outdoor use |
| **ENCLOSURE MATERIAL QUALITY** | Other |
| **TYPE OF COATING** | Other |

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

**Eaton Corporation plc** Eaton House
30 Pembroke Road
Dublin 4, Ireland
Eaton.com

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