

# Specifications



## Eaton 002234

Eaton xEffect Ci Enclosures Switch- & Controlgear Enclosure. Insulated enclosure open above+below,  
HxWxD=296x234x150mm, NA type

### General specifications

|                             |                                                                                                                           |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------|
| <b>PRODUCT NAME</b>         | Eaton xEffect Ci Enclosures Switch- & Controlgear Enclosure                                                               |
| <b>CATALOG NUMBER</b>       | 002234                                                                                                                    |
| <b>MODEL CODE</b>           | CI23-125-NA                                                                                                               |
| <b>EAN</b>                  | 4015080022343                                                                                                             |
| <b>PRODUCT LENGTH/DEPTH</b> | 150 mm                                                                                                                    |
| <b>PRODUCT HEIGHT</b>       | 296 mm                                                                                                                    |
| <b>PRODUCT WIDTH</b>        | 234 mm                                                                                                                    |
| <b>PRODUCT WEIGHT</b>       | 1.919 kg                                                                                                                  |
| <b>COMPLIANCES</b>          | UL 508A CSA-C22.2 No.94<br>IEC/EN62208<br>CE marking<br>RoHS conform                                                      |
| <b>CERTIFICATIONS</b>       | UL508A<br>UL listed<br>UL (Category Control Number NITW)<br>UL (File No. E499317)<br>Specially designed for North America |



Powering Business Worldwide

## Product specifications

|                                                                                         |                                                                                                                                    |
|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| <b>USED WITH</b>                                                                        | Industrial control panels                                                                                                          |
| <b>SPECIAL FEATURES</b>                                                                 | Fitted with removable smooth flanges on all 4 sides Fixing straps for wall fixing Sealable cover fasteners                         |
| <b>TYPE</b>                                                                             | Basic enclosure<br>Distribution board enclosures for North America Panel enclosures with cover and flanges xEnergy Safety Ci       |
| <b>FEATURES</b>                                                                         | UV resistance beneath protective shield<br>Cover with overpressure release                                                         |
| <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                                                                                                 |
| <b>10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION</b>                                 | Not relevant to indoor installations.                                                                                              |
| <b>10.2.5 LIFTING</b>                                                                   | 5 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</b>                                                                | IK10                                                                                                                               |

## Resources

|                                   |                                                                                            |
|-----------------------------------|--------------------------------------------------------------------------------------------|
| <b>CERTIFICATION REPORTS</b>      | <a href="#">eaton-xeffect-ci-certificate-of-compliance-en-us.pdf</a>                       |
| <b>DECLARATIONS OF CONFORMITY</b> | <a href="#">eaton-empty-enclosure-declaration-of-conformity-eu250306en.pdf</a>             |
|                                   | <a href="#">eaton-enclosures-enclosure-xenergy-safety-ci-lv-systems-dimensions-010.eps</a> |
|                                   | <a href="#">eaton-enclosures-enclosure-xenergy-safety-ci-lv-systems-dimensions-011.eps</a> |
| <b>DRAWINGS</b>                   | <a href="#">eaton-enclosures-flanges-xeffect-ci-enclosure-dimensions-002.eps</a>           |
|                                   | <a href="#">eaton-enclosures-flanges-xeffect-ci-enclosure-dimensions.eps</a>               |
|                                   | <a href="#">eaton-enclosures-enclosure-xenergy-safety-ci-lv-systems-dimensions-018.eps</a> |
|                                   | <a href="#">05670392.pdf</a>                                                               |
| <b>INSTALLATION INSTRUCTIONS</b>  | <a href="#">eaton-xenergy-safety-ci-enclosure-brochure-br014001en-en-us.pdf</a>            |
| <b>INSTALLATION VIDEOS</b>        | <a href="#">xEffect CI stand-alone polycarbonate enclosure</a>                             |
|                                   | <a href="#">ci23_125_na.stp</a>                                                            |
| <b>MCAD MODEL</b>                 | <a href="#">eaton-front-access-switchboard-mcad-drawings-ci23-125-na.dwg</a>               |
| <b>PEP ECO-PASSPORT</b>           | <a href="#">eaton-front-access-switchboard-pep-eato-00214-v0101-en.pdf</a>                 |

|                                                                 |                                                                                    |
|-----------------------------------------------------------------|------------------------------------------------------------------------------------|
| <b>IMPACT</b>                                                   |                                                                                    |
| <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 ELECTRICAL CIRCUITS AND CONNECTIONS</b>        | Is the panel builder's 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.                                         |
| <b>SURFACE FINISHING</b>                                        | Transparent, smoky gray (cover)<br>RAL 7035, light gray (base)                     |
| <b>CLIMATIC PROOFING</b>                                        | Damp heat, cyclic, to IEC 60068-2-30<br>Damp heat, constant, to IEC 60068-2-78     |
| <b>CREEPAGE RESISTANCE</b>                                      | KB100, KC200 (cover, to IEC 60112)<br>KB160, KC175 (base, to IEC 60112)            |
| <b>DEGREE OF PROTECTION</b>                                     | IP65<br>UL/CSA Types 1, 12, 13, 4X, indoor only<br>4X (NEMA)<br>IK10<br>IP65 (IEC) |
| <b>ENCLOSURE MATERIAL</b>                                       | Plastic                                                                            |
| <b>SURFACE PROTECTION</b>                                       | Other                                                                              |
| <b>CIRCUIT INTEGRITY</b>                                        | Other                                                                              |
| <b>BASE TYPE</b>                                                | Enclosure side plates with removable smooth flanges                                |
| <b>UNIT TYPE</b>                                                | Single unit                                                                        |
| <b>BUILT-IN DEPTH</b>                                           | 125 mm                                                                             |

|                                                                                         |                                 |
|-----------------------------------------------------------------------------------------|---------------------------------|
| HEAT DISS. AMBIENT<br>35°C DELTA T:20°C WALL<br>MOUNT INDIVID. ENCL.<br>TOP (IEC 60890) | 12 W                            |
| HEAT DISS. AMBIENT<br>35°C DELTA T: 20°C WALL<br>MOUNT MIDDLE ENCL.<br>TOP (IEC 60890)  | 10 W                            |
| HEAT DISS. AMBIENT<br>35°C DELTA T:20°C WALL<br>MOUNT STARTING ENCL.<br>TOP (IEC 60890) | 11 W                            |
| HEAT DISS. AMBIENT<br>35°C DELTA T:35°C WALL<br>MOUNT INDIVID. ENCL.<br>TOP (IEC 60890) | 24 W                            |
| HEAT DISS. AMBIENT<br>35°C DELTA T: 35°C WALL<br>MOUNT MIDDLE ENCL.<br>TOP (IEC 60890)  | 20 W                            |
| HEAT DISS. AMBIENT<br>35°C DELTA T:35°C WALL<br>MOUNT STARTING ENCL.<br>TOP (IEC 60890) | 22 W                            |
| COLOR                                                                                   | Gray                            |
| COVER/DOOR COLOR                                                                        | Transparent                     |
| COVER/DOOR MODEL                                                                        | Closed                          |
| COVER/DOOR TYPE                                                                         | None<br>Transparent<br>Optional |
| NUMBER OF OPENINGS<br>(FLANGE PLATES)                                                   | 0                               |
| PLATE THICKNESS<br>(CABINET)                                                            | 6 mm                            |
| PLATE THICKNESS<br>(COVER/DOOR)                                                         | 6 mm                            |
| RAL-NUMBER                                                                              | 7035                            |
| SURFACE RESISTANCE<br>(IEC 60093)                                                       | 10 TΩ                           |
| WIDTH IN NUMBER OF<br>MODULAR SPACINGS                                                  | 9                               |
| AMBIENT OPERATING<br>TEMPERATURE DETAILS                                                | -40 °C - 80 °C                  |
| MOUNTING METHOD                                                                         | Surface mounted (plaster)       |
| NUMBER OF ROWS                                                                          | 0                               |
| DIELECTRIC STRENGTH                                                                     | 30 kV/mm                        |
| FUNCTIONS                                                                               | Extension possible              |
| PROTECTION CLASS                                                                        | II                              |
| NUMBER OF MODULES                                                                       | 1                               |
| INTERNAL DEPTH                                                                          | 125 mm                          |

|                            |                                     |
|----------------------------|-------------------------------------|
| MOUNTING DEPTH             | 125 mm                              |
| NOMINAL CURRENT            | 1600 A                              |
| NUMBER OF CONDUIT INLETS   | 0                                   |
| SUITABLE FOR               | Lightning protection<br>Outdoor use |
| SALINE SPRAY RESISTANCE    | IEC 60068-2-11                      |
| ENCLOSURE MATERIAL QUALITY | Other                               |
| TYPE OF COATING            | Other                               |

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



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

© 2026 Eaton. All Rights Reserved.

Follow us on social media to get the latest product and support information.

