

Insulated enclosure, smooth sides, HxWxD=250x375x175mm



**Part no.** CI43X-150  
**024646**  
**EL Number** 2502161  
**(Norway)**

| General specifications              |  |   |
|-------------------------------------|--|---|
| Product name                        |  | Eaton xEffect Ci Enclosures Switch- & Controlgear Enclosure   |
| Part no.                            |  | CI43X-150   |
| EAN                                 |  | 4015080246466   |
| Product Length/Depth                |  | 175 millimetre  |
| Product height                      |  | 250 millimetre  |
| Product width                       |  | 375 millimetre  |
| Product weight                      |  | 2.666 kilogram  |
| Compliances                         |  | RoHS conform  |
| Certifications                      |  | UL Listed<br>EN 61439-2<br>EN 62208   |
| Product Tradename                   |  | xEffect Ci  |
| Product Type                        |  | Enclosures  |
| Product Sub Type                    |  | Switch- & Controlgear Enclosure   |
| Delivery program                    |  |   |
| Type                                |  | Basic enclosure<br>Individual enclosures<br>xEnergy Safety Ci                                       |
| Color                               |  | Gray<br>Light gray (RAL 7035, base)<br>Transparent, smoky gray (cover)                              |
| Nominal current                     |  | 1600 A  |
| Technical Data - Electrical         |  |   |
| Frequency rating                    |  | 50 to 60 Hz   |
| Circuit integrity                   |  | Other   |
| Technical Data - Mechanical         |  |   |
| Unit type                           |  | Stand-alone device  |
| Base type                           |  | Plain   |
| Surface finishing                   |  | Resistant to corrosion  |
| Surface protection                  |  | Other   |
| Surface treatment                   |  | Resistant to corrosion  |
| Enclosure material                  |  | Plastic   |
| Width in number of modular spacings |  | 15  |
| Mounting depth with mounting plate  |  | 150 mm  |
| Mounting method                     |  | Surface mounted (plaster)   |
| Material                            |  | Non-reinforced polycarbonate (cover)<br>Glass-fibre reinforced polycarbonate (base)<br>Halogen free |
| Degree of protection                |  | IP65<br>IK10<br>Other   |
| Number of conduit inlets            |  | 0   |
| Number of modules                   |  | 1   |
| Number of openings (flange plates)  |  | 0   |
| Number of rows                      |  | 0   |
| Built-in depth                      |  | 150 mm  |
| Internal depth                      |  | 150 mm  |
| Cover/door color                    |  | Transparent   |
| Cover/door model                    |  | Closed  |
| Cover/door type                     |  | Transparent<br>Optional   |

|  |  |  |
|--|--|--|
|  |  | None   |
| Plate thickness (cabinet)  |  | 9 mm   |
| Plate thickness (cover/door)   |  | 6 mm   |
| Saline spray resistance  |  | IEC 60068-2-11   |
| <b>Temperature-rise verification as per IEC 60890</b>                            |  |  |
| Heat diss. ambient 35°C delta T: 20°C wall mount middle encl. top (IEC 60890)    |  | 20 W   |
| Heat diss. ambient 35°C delta T: 35°C wall mount middle encl. top (IEC 60890)    |  | 40 W   |
| Heat diss. ambient 35°C delta T: 20°C wall mount individ. encl. top (IEC 60890)  |  | 22 W   |
| Heat diss. ambient 35°C delta T: 20°C wall mount starting encl. top (IEC 60890)  |  | 21 W   |
| Heat diss. ambient 35°C delta T: 35°C wall mount individ. encl. top (IEC 60890)  |  | 44 W   |
| Heat diss. ambient 35°C delta T: 35°C wall mount starting encl. top (IEC 60890)  |  | 42 W   |
| <b>Design verification as per IEC/EN 61439 - technical data</b>                  |  |  |
| Temperature resistance   |  | Temperature resistant: 85 °C (enclosure bolt)<br>Temperature resistant: -40 °C - 120 °C (enclosure)<br>Temperature resistant: 80 °C (gasket) |
| Ambient operating temperature details  |  | -40 °C - 80 °C   |
| <b>Design verification as per IEC/EN 61439</b>                                   |  |  |
| 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 |  | Lower part: 960 °C / cover: 850 °C   |
| 10.2.4 Resistance to ultra-violet (UV) radiation                                 |  | Not relevant to indoor installations.  |
| 10.2.5 Lifting   |  | 10 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   |
| 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.   |
| 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   |  | U <sub>i</sub> = 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.   |
| 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.   |
| <b>Additional information</b>  |  |  |
| Features   |  | UV resistance beneath protective shield<br>Cover with overpressure release   |
| Flammability characteristics (UL)  |  | V1 (base) (UL94)<br>V2 (cover) (UL94)  |
| Protection class   |  | II   |
| RAL-number   |  | 7035   |
| Special features   |  | Smooth side plates, without knockouts<br>Sealable cover fasteners<br>Include fixing straps for wall mounting                                 |
| Suitable for   |  | Lightning protection<br>Outdoor use  |

## Technical data ETIM 9.0

|   |  |                 |
|---|--|-----------------|
| Distribution boards (EG000023) / Empty cabinet (EC000058)   |  |                 |
| Electric engineering, automation, process control engineering / Electrical installation, device / Electrical distribution system (including small distribution board) / Empty cabinet (small distribution board) (ecl@ss13-27-14-24-08 [ACN385016]) |  |                 |
| Mounting method   |  | Surface mounted |
| Type of covering  |  | Optional        |

|                                      |    |         |
|--------------------------------------|----|---------|
| Cover model                          |    | Closed  |
| Type of door                         |    | None    |
| Transparent cover/door               |    | Yes     |
| With lock                            |    | No      |
| Nominal current (In)                 | A  | 1600    |
| Height                               | mm | 250     |
| Width                                | mm | 375     |
| Depth                                | mm | 175     |
| Built-in depth                       | mm | 150     |
| Inner depth                          | mm | 150     |
| Material plate thickness cabinet     | mm | 9       |
| Material plate thickness door/cover  | mm | 6       |
| Colour                               |    | Grey    |
| RAL-number                           |    | 7035    |
| Number of modules                    |    | 1       |
| Number of rows                       |    | 0       |
| Width in number of modular spacings  |    | 15      |
| Number of openings for flange plates |    | 0       |
| Extension possible                   |    | No      |
| Number of conduit inlets             |    | 0       |
| Housing material                     |    | Plastic |
| Surface protection                   |    | Other   |
| With mounting plate                  |    | No      |
| Suitable for outdoor use             |    | Yes     |
| Suitable for lightning protection    |    | Yes     |
| Degree of protection (IP)            |    | IP65    |
| Degree of protection (NEMA)          |    | Other   |
| Protection class                     |    | II      |
| Impact strength                      |    | IK10    |
| Circuit integrity                    |    | Other   |
| Cover with overpressure release      |    | Yes     |