

Insulated enclosure, +knockouts, HxWxD=375x375x175mm



Part no. CI44E-150
033809
EL Number 4132081
(Norway)

| General specifications | | |
|-------------------------------------|--|---|
| Product name | | Eaton xEnergy Safety Ci empty enclosure insulated |
| Part no. | | CI44E-150 |
| EAN | | 4015080338093 |
| Product Length/Depth | | 175 millimetre |
| Product height | | 375 millimetre |
| Product width | | 375 millimetre |
| Product weight | | 2.818 kilogram |
| Compliances | | RoHS conform |
| Certifications | | EN 62208 EN 61439-2 |
| Product Tradename | | xEnergy Safety Ci |
| Product Type | | Empty enclosure |
| Product Sub Type | | Insulated |
| Delivery program | | |
| Type | | Basic enclosure Individual enclosures xEnergy Safety Ci |
| Color | | Gray Light gray (RAL 7035, base) Transparent, smoky gray (cover) |
| Nominal current | | 1600 A |
| Technical Data - Electrical | | |
| Circuit integrity | | Other |
| Technical Data - Mechanical | | |
| Unit type | | Single unit |
| 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 | | Halogen free Non-reinforced polycarbonate (cover) Glass-fibre reinforced polycarbonate (base) |
| Degree of protection | | IK10 IP65 Other |
| Number of conduit inlets | | 100 |
| Number of modules | | 1 |
| Number of openings (flange plates) | | 4 |
| Number of rows | | 0 |
| Built-in depth | | 150 mm |
| Internal depth | | 150 mm |
| Cover/door color | | Transparent |
| Cover/door model | | Closed |
| Cover/door type | | None Optional |
| Plate thickness (cabinet) | | 6 mm |
| Plate thickness (cover/door) | | 6 mm |
| Saline spray resistance | | IEC 60068-2-11 |

| Temperature-rise verification as per IEC 60890 | | |
|--|--|--|
| 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: 35°C wall mount middle encl. top (IEC 60890) | | 48 W |
| 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 starting encl. top (IEC 60890) | | 26 W |
| Heat diss. ambient 35°C delta T: 35°C wall mount individ. encl. top (IEC 60890) | | 54 W |
| Heat diss. ambient 35°C delta T: 35°C wall mount starting encl. top (IEC 60890) | | 51 W |
| Design verification as per IEC/EN 61439 - technical data | | |
| Temperature resistance | | Temperature resistant: 85 °C (enclosure bolt) Temperature resistant: -40 °C - 120 °C (enclosure) Temperature resistant: 80 °C (gasket) |
| Ambient operating temperature details | | -40 °C - 80 °C |
| Design verification as per IEC/EN 61439 | | |
| 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 | | 20 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 | | 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. |
| 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. |
| Additional information | | |
| Features | | UV resistance beneath protective shield Cover with overpressure release |
| Flammability characteristics (UL) | | V1 (base) (UL94) V2 (cover) (UL94) |
| Functions | | Extension possible |
| Protection class | | II |
| RAL-number | | 7035 |
| Special features | | With metric knockouts in all sides of the enclosure Include fixing straps for wall mounting Sealable cover fasteners Full-area knockouts in the sides can be converted to a distribution board enclosure Integrated pressure-relief mechanism for short-circuits |
| Suitable for | | Lightning protection Outdoor use |
| Used with | | Eaton Switching and protection devices |

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 | | None |
| Cover model | | Closed |

| | | |
|--------------------------------------|----|---------|
| Type of door | | None |
| Transparent cover/door | | Yes |
| With lock | | No |
| Nominal current (In) | A | 1600 |
| Height | mm | 375 |
| Width | mm | 375 |
| Depth | mm | 175 |
| Built-in depth | mm | 150 |
| Inner depth | mm | 150 |
| Material plate thickness cabinet | mm | 6 |
| 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 | | 4 |
| Extension possible | | Yes |
| Number of conduit inlets | | 100 |
| 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 |