



Insulated enclosure, top+bottom open, HxWxD=750x375x275mm

Part no. **CI48-250**
 Catalog No. **083642**

EL-Nummer **0004132084**
 (Norway)

Delivery program

| | | |
|--|----|---|
| Dimensions | mm | |
| Product range | | xEnergy Safety Ci |
| Basic function | | Basic enclosures |
| Product function | | Panel enclosures |
| Single unit/Complete unit | | Single unit |
| Degree of Protection | | IP65 |
| Standards | | EN 62208 EN 61439-2 |
| Description | | Housing prepared for distribution board Two sides closed, can be folded out; two sides open Sealable cover fasteners Integrated pressure-relief mechanism for short-circuits |
| Type cover | | Transparent |
| Width | mm | 375 |
| Height | mm | 750 |
| Depth | mm | 275 |
| Mounting depth with mounting plate | mm | 250 |
| Mounting depth for mounting rail 7.5 mm height | mm | 242.5 |
| Mounting depth for mounting rail 15 mm height | mm | 235 |
| Enclosure depth | | |
| Legend for the graphic | | Dimensions from top: Mounting depth with mounting plate Mounting depth for mounting rail 7.5 mm height Mounting depth for mounting rail 15 mm height Enclosure depth |
| Enclosure depth | mm | |

Technical data

General

| | | | |
|----------------------|--|----|------------------------|
| Standards | | | EN 62208 EN 61439-2 |
| Ambient temperature | | °C | -40 - +80 |
| Degree of Protection | | | IP65 |

Material characteristics

| | | | |
|-------------------|--|--|---|
| Material | | | glass-fibre reinforced polycarbonate (base) non-reinforced polycarbonate (cover) Halogen free |
| Surface treatment | | | Resistant to corrosion |

Material properties

| | | | |
|---|--|--|---|
| Thermal | | | |
| Temperature resistant | | | -40 °C - 120 °C (enclosure) 85 °C (enclosure bolt) 80 °C (gasket) |
| Chemical resistance | | | |
| Chemical resistant | | | Resistant against: Acids < 10 %, mineral oil, alcohol, gasoline, greases, salt solutions Partly resistant to: Acids > 10 % Not resistant to: alkalis, benzene |
| Atmospheric | | | |
| Saline spray | | | IEC 60068-2-11 |
| UV resistance | | | Beneath protective shield |
| Flammability characteristics | | | |
| Flammability classification according to UL94 | | | V1 (base) V2 (cover) |

Design verification as per IEC/EN 61439

| | | | |
|---|----------------|---|---|
| Technical data for design verification | | | |
| Heat dissipation, at an ambient temperature of 35°C, delta T: 20 degrees in top of the enclosure, calculated as per IEC 60890 | | | |
| Individual enclosure for wall mounting | P _V | W | 52 |
| Starting enclosure for wall mounting | P _V | W | 48 |
| Middle enclosure for wall mounting | P _V | W | 44 |
| Heat dissipation, at an ambient temperature of 35°C, delta T: 35 degrees in top of the enclosure, calculated as per IEC 60890 | | | |
| Individual enclosure for wall mounting | P _V | W | 105 |
| Starting enclosure for wall mounting | P _V | W | 96 |
| Middle enclosure for wall mounting | P _V | W | 88 |
| IEC/EN 61439 design verification | | | |
| 10.2 Strength of materials and parts | | | |
| 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 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects | | | Lower part: 960 °C / cover: 850 °C; meets the product standard's requirements. |
| 10.2.4 Resistance to ultra-violet (UV) radiation | | | Not relevant to indoor installations. |
| 10.2.5 Lifting | | | 40 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 Insulation properties | | | |
| 10.9.2 Power-frequency electric strength | | | U _i = 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. |

Technical data ETIM 7.0

Distribution boards (EG000023) / Empty cabinet (EC000058)

Electric engineering, automation, process control engineering / Electrical installation, device / Electrical distribution system (incl. small distribution board) / Empty cabinet (small distribution board) (ecl@ss10.0.1-27-14-24-08 [ACN385011])

| | | |
|--------------------------------------|----|---------------------------|
| Mounting method | | Surface mounted (plaster) |
| Type of cover | | Optional |
| Cover model | | Closed |
| Type of door | | None |
| Transparent cover/door | | Yes |
| With lock | | No |
| Nominal current (In) | A | 1600 |
| Height | mm | 750 |
| Width | mm | 375 |
| Depth | mm | 275 |
| Built-in depth | mm | 250 |
| Internal depth | mm | 250 |
| Plate thickness cabinet | mm | 6 |
| 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 | | 17 |
| Number of openings for flange plates | | 6 |
| Extension possible | | Yes |
| Number of conduit inlets | | 0 |
| Material housing | | 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 |

Dimensions

