

Insulated enclosure, +knockouts, HxWxD=250x375x150mm

**Part no.** CI43E-125  
**Catalog No.** 093133

**EL-Nummer** 4132077  
**(Norway)**

## Delivery program

|                                                |  |    |                                                                                                                                                                                                                                                                                 |
|------------------------------------------------|--|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dimensions                                     |  | mm |                                                                                                                                                                                                                                                                                 |
| Product range                                  |  |    | xEnergy Safety Ci                                                                                                                                                                                                                                                               |
| Basic function                                 |  |    | Basic enclosures                                                                                                                                                                                                                                                                |
| Product function                               |  |    | Individual enclosures                                                                                                                                                                                                                                                           |
| Single unit/Complete unit                      |  |    | Single unit                                                                                                                                                                                                                                                                     |
| Standards                                      |  |    | EN 62208<br>EN 61439-2                                                                                                                                                                                                                                                          |
| Degree of Protection                           |  |    | IP65                                                                                                                                                                                                                                                                            |
| Description                                    |  |    | With metric knockouts in all sides of the enclosure<br>Include fixing straps for wall mounting<br>Sealable cover fasteners<br>Full-area knockouts in the sides<br>can be converted to a distribution board enclosure<br>Integrated pressure-relief mechanism for short-circuits |
| Colour                                         |  |    | RAL 7035, light gray (base)<br>Transparent, smoky gray (cover)                                                                                                                                                                                                                  |
| Width                                          |  | mm | 375                                                                                                                                                                                                                                                                             |
| Height                                         |  | mm | 250                                                                                                                                                                                                                                                                             |
| Depth                                          |  | mm | 150                                                                                                                                                                                                                                                                             |
| Mounting depth with mounting plate             |  | mm | 125                                                                                                                                                                                                                                                                             |
| Mounting depth for mounting rail 7.5 mm height |  | mm | 117.5                                                                                                                                                                                                                                                                           |
| Mounting depth for mounting rail 15 mm height  |  | mm | 110                                                                                                                                                                                                                                                                             |
| <b>Enclosure depth</b>                         |  |    |                                                                                                                                                                                                                                                                                 |
| Legend for the graphic                         |  |    | Dimensions from top:<br>Mounting depth with mounting plate<br>Mounting depth for mounting rail 7.5 mm height<br>Mounting depth for mounting rail 15 mm height<br>Enclosure depth                                                                                                |
| Enclosure depth                                |  | mm |                                                                                                                                                                                                                                                                                 |
| For use with                                   |  |    | Eaton Switching and protection devices                                                                                                                                                                                                                                          |

### Notes

C

2 x M50/20

6 x M25/16

8 x M20

D

1 x M50/32

6 x M25/16

## Technical data

### General

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

### Material characteristics

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

### Material properties

|                       |  |  |                             |
|-----------------------|--|--|-----------------------------|
| Thermal               |  |  |                             |
| Temperature resistant |  |  | -40 °C - 120 °C (enclosure) |

|                                               |  |  |                                                                                                                                                                     |
|-----------------------------------------------|--|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                               |  |  | 85 °C (enclosure bolt)<br>80 °C (gasket)                                                                                                                            |
| Chemical resistance                           |  |  |                                                                                                                                                                     |
| Chemical resistant                            |  |  | Resistant against: Acids < 10 %, mineral oil, alcohol, gasoline, greases, salt solutions<br>Partly resistant to: Acids > 10 %<br>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)<br>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 <sub>V</sub> | W | 20                                                                                                                                  |
| Starting enclosure for wall mounting                                                                                          | P <sub>V</sub> | W | 19                                                                                                                                  |
| Middle enclosure for wall mounting                                                                                            | P <sub>V</sub> | W | 18                                                                                                                                  |
| 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 <sub>V</sub> | W | 41                                                                                                                                  |
| Starting enclosure for wall mounting                                                                                          | P <sub>V</sub> | W | 39                                                                                                                                  |
| Middle enclosure for wall mounting                                                                                            | P <sub>V</sub> | W | 37                                                                                                                                  |
| 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                                                                                                                |                |   | 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 Insulation properties                                                                                                    |                |   |                                                                                                                                     |
| 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.                                                                                          |

## Technical data ETIM 8.0

|                                                                                                                                                                                                                                                     |  |                           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------|
| 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 | 250      |
| Width                                | mm | 375      |
| Depth                                | mm | 150      |
| Built-in depth                       | mm | 125      |
| Internal depth                       | mm | 125      |
| 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             |    | 76       |
| Material housing                     |    | Plastic  |
| Surface protection                   |    | Other    |
| With mounting plate                  |    | No       |
| Suitable for outdoor use             |    | Yes      |
| Suitable for lightning protection    |    | Yes      |
| Degree of protection (IP)            |    | Other    |
| Degree of protection (NEMA)          |    | Other    |
| Protection class                     |    | II       |
| Impact strength                      |    | Other    |
| Circuit integrity                    |    | Other    |
| Cover with overpressure release      |    | Yes      |

## Dimensions

## Additional product information (links)

|                                                                                                   |                                                                                                                                                                                                                                                                 |
|---------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>AWA32-567 Ci insulated enclosure</b>                                                           |                                                                                                                                                                                                                                                                 |
| AWA32-567 Ci insulated enclosure                                                                  | <a href="https://es-assets.eaton.com/DOCUMENTATION/AWA_INSTRUCTIONS/05670392.pdf">https://es-assets.eaton.com/DOCUMENTATION/AWA_INSTRUCTIONS/05670392.pdf</a>                                                                                                   |
| Manufacturer's Declaration CI-RoHS                                                                | <a href="https://es-assets.eaton.com/DOCUMENTATION/PDF/2013-01-31_Ci_RoHS.pdf">https://es-assets.eaton.com/DOCUMENTATION/PDF/2013-01-31_Ci_RoHS.pdf</a>                                                                                                         |
| Declaration of conformity                                                                         | <a href="https://es-assets.eaton.com/DOCUMENTATION/PDF/ci_ce.pdf">https://es-assets.eaton.com/DOCUMENTATION/PDF/ci_ce.pdf</a>                                                                                                                                   |
| allowInterrupt=1&RevisionSelectionMethod=La<br>model certification xEnergy Safety Ci              | <a href="http://www.eaton.eu/DE/ecm/idcplg?IdcService=GET_FILE&amp;model%20certification%20xEnergy%20Safety%20Ci">http://www.eaton.eu/DE/ecm/idcplg?IdcService=GET_FILE&amp;model certification xEnergy Safety Ci</a>                                           |
| allowInterrupt=1&RevisionSelectionMethod=La<br>Save time – we assist you with expert pre-assembly | <a href="http://www.eaton.eu/DE/ecm/idcplg?IdcService=GET_FILE&amp;Save%20time%20%E2%80%93%20we%20assist%20you%20with%20expert%20pre-assembly">http://www.eaton.eu/DE/ecm/idcplg?IdcService=GET_FILE&amp;Save time – we assist you with expert pre-assembly</a> |
| allowInterrupt=1&RevisionSelectionMethod=La<br>product information xEnergy Safety Ci              | <a href="http://www.eaton.eu/DE/ecm/idcplg?IdcService=GET_FILE&amp;product%20information%20xEnergy%20Safety%20Ci">http://www.eaton.eu/DE/ecm/idcplg?IdcService=GET_FILE&amp;product information xEnergy Safety Ci</a>                                           |
| tool for calculating the power loss for switching device combinations                             | <a href="http://www.eaton.eu/DE/Europe/Electrical/CustomerSupport/ConfigurationTools/TCTool/index.htm">http://www.eaton.eu/DE/Europe/Electrical/CustomerSupport/ConfigurationTools/TCTool/index.htm</a>                                                         |
| configurator - xEnergy family                                                                     | <a href="http://www.eaton.eu/DE/Europe/Electrical/CustomerSupport/ConfigurationTools/xEnergyMainSupport/index.htm">http://www.eaton.eu/DE/Europe/Electrical/CustomerSupport/ConfigurationTools/xEnergyMainSupport/index.htm</a>                                 |