



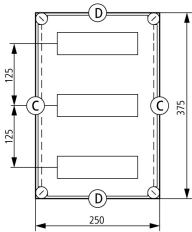
MCB enclosure, +door, 3x9space units, HxWxD=375x250x150mm



Part no. AE/I43E/T  
Catalog No. 002612

EL-Nummer 2502091  
(Norway)

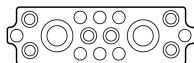
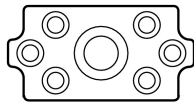
## Delivery program

|                                              |                 |                                                                                                                                                                                                                                                                                                                                                                                                            |
|----------------------------------------------|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dimensions                                   | mm              |                                                                                                                                                                                                                                                                                                                          |
| Product range                                |                 | xEnergy Safety Ci                                                                                                                                                                                                                                                                                                                                                                                          |
| Basic function                               |                 | Prepared enclosures                                                                                                                                                                                                                                                                                                                                                                                        |
| Product function                             |                 | MCB individual enclosures                                                                                                                                                                                                                                                                                                                                                                                  |
| Accessories                                  |                 | MCB individual enclosures                                                                                                                                                                                                                                                                                                                                                                                  |
| Single unit/Complete unit                    |                 | Stand-alone device                                                                                                                                                                                                                                                                                                                                                                                         |
| Standards                                    |                 | EN 62208<br>EN 61439-2                                                                                                                                                                                                                                                                                                                                                                                     |
| Description                                  |                 | Metric cable entry knockouts in all sides<br>Housings for e.g. built-in devices MCB, RCD, RCBO, AFDD<br>Transparent door for operator access to devices fitted<br>Metal mounting rail for snapping on devices<br>1 x Blanking strip for unused mounting locations<br>Protective shroud with inscription label<br>PE/N combi-plug-in terminals<br>Fixing straps for wall fixing<br>Sealable cover fasteners |
| Degree of Protection                         |                 | IP65                                                                                                                                                                                                                                                                                                                                                                                                       |
| Width                                        | mm              | 250                                                                                                                                                                                                                                                                                                                                                                                                        |
| Height                                       | mm              | 375                                                                                                                                                                                                                                                                                                                                                                                                        |
| Depth                                        | mm              | 150                                                                                                                                                                                                                                                                                                                                                                                                        |
| Modular spacing (space units)                | Number          | 27                                                                                                                                                                                                                                                                                                                                                                                                         |
| PE and N terminals, quantity x cross-section | mm <sup>2</sup> | On each 3 x (2.5 - 25)<br>On each 21 x (0.5 - 4)                                                                                                                                                                                                                                                                                                                                                           |

## Model

|           |             |
|-----------|-------------|
| Type Door | Transparent |
|-----------|-------------|

## Notes

|   |                                                                                     |
|---|-------------------------------------------------------------------------------------|
| C |  |
|   | 2 x M50/32                                                                          |
|   | 6 x M25/16                                                                          |
|   | 8 x M20                                                                             |
| D |  |
|   | 1 x M50/32                                                                          |
|   | 6 x M25/16                                                                          |

## Design verification as per IEC/EN 61439

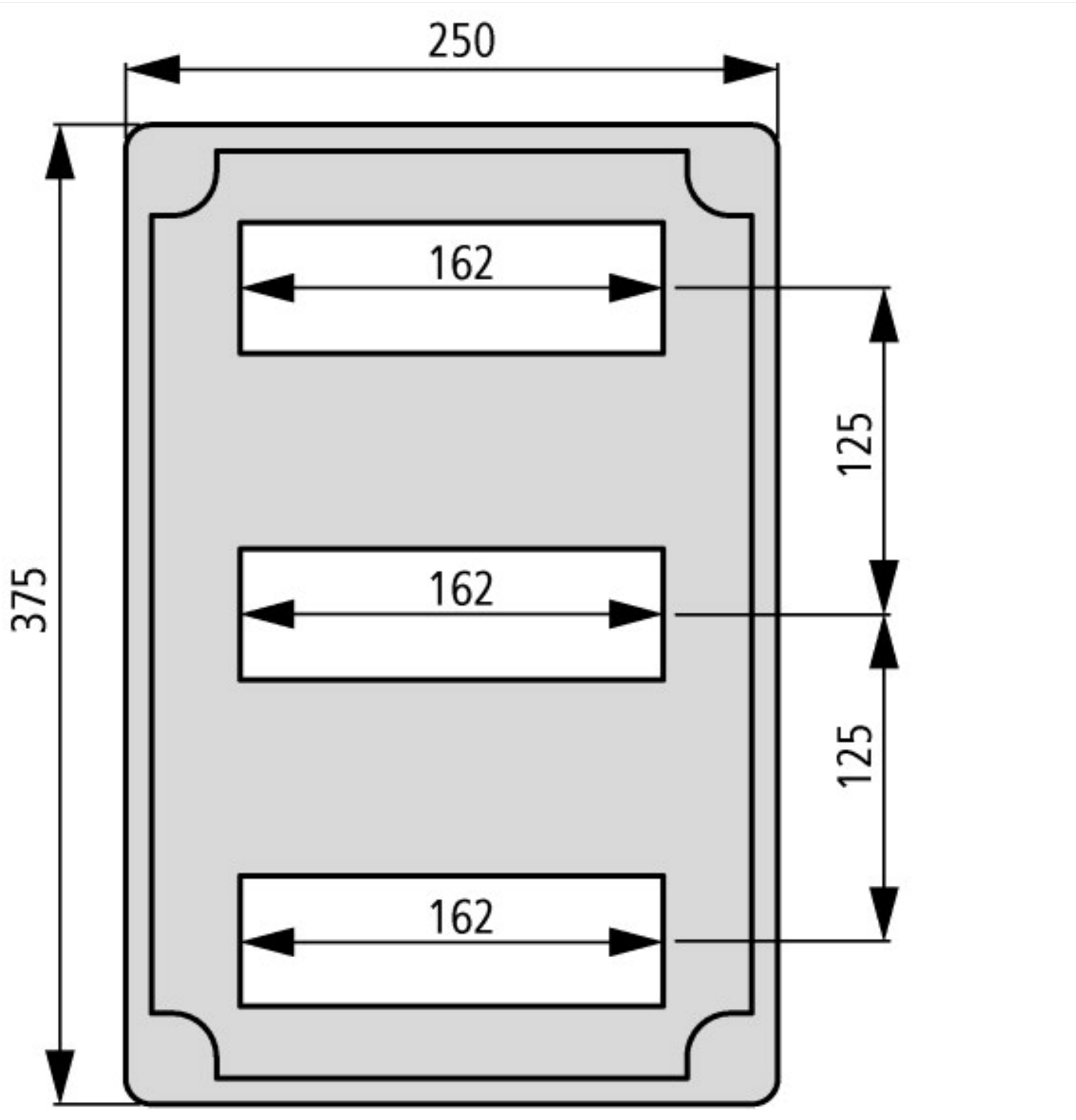
|                                                                                                                               |                |   |    |
|-------------------------------------------------------------------------------------------------------------------------------|----------------|---|----|
| 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 | 19 |
| Starting enclosure for wall mounting                                                                                          | P <sub>V</sub> | W | 17 |
| Middle enclosure for wall mounting                                                                                            | P <sub>V</sub> | W | 16 |

|                                                                                                                               |                |   |                                                                                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------|----------------|---|-------------------------------------------------------------------------------------------------------------------------------------|
| 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 | 38                                                                                                                                  |
| Starting enclosure for wall mounting                                                                                          | P <sub>V</sub> | W | 35                                                                                                                                  |
| Middle enclosure for wall mounting                                                                                            | P <sub>V</sub> | W | 32                                                                                                                                  |
| 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 7.0

|                                                                                                                                                                                                                                     |  |    |                           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----|---------------------------|
| Distribution boards (EG000023) / Small distribution board (EC000214)                                                                                                                                                                |  |    |                           |
| Electric engineering, automation, process control engineering / Electrical installation, device / Electrical distribution system (incl. small distribution board) / Small distribution board (ec1@ss10.0.1-27-14-24-09 [ACN387011]) |  |    |                           |
| Mounting method                                                                                                                                                                                                                     |  |    | Surface mounted (plaster) |
| Number of rows                                                                                                                                                                                                                      |  |    | 3                         |
| Width in number of modular spacings                                                                                                                                                                                                 |  |    | 9                         |
| Type of cover                                                                                                                                                                                                                       |  |    | Door                      |
| Cover model                                                                                                                                                                                                                         |  |    | Closed                    |
| Transparent cover/door                                                                                                                                                                                                              |  |    | Yes                       |
| Material housing                                                                                                                                                                                                                    |  |    | Plastic                   |
| Height                                                                                                                                                                                                                              |  | mm | 375                       |
| Width                                                                                                                                                                                                                               |  | mm | 250                       |
| Depth                                                                                                                                                                                                                               |  | mm | 150                       |
| Built-in depth                                                                                                                                                                                                                      |  | mm | 100                       |
| Internal depth                                                                                                                                                                                                                      |  | mm | 150                       |
| DIN-rail                                                                                                                                                                                                                            |  |    | Yes                       |
| With mounting plate                                                                                                                                                                                                                 |  |    | No                        |
| Extension possible                                                                                                                                                                                                                  |  |    | No                        |
| EMC-version                                                                                                                                                                                                                         |  |    | No                        |
| Colour                                                                                                                                                                                                                              |  |    | Grey                      |
| RAL-number                                                                                                                                                                                                                          |  |    | 7035                      |
| Degree of protection (IP)                                                                                                                                                                                                           |  |    | IP65                      |
| With lock                                                                                                                                                                                                                           |  |    | No                        |

Dimensions



Additional product information (links)

|                                                                                                                                                                                    |                                                                                                                                                                                                                                 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| allowInterrupt=1&RevisionSelectionMethod=LatestReleased&noSaveAs=0&Render http://www.eaton.eu/DE/ecm/idcplg?IdcService=GET_FILE&model certification xEnergy Safety Ci              |                                                                                                                                                                                                                                 |
| allowInterrupt=1&RevisionSelectionMethod=LatestReleased&noSaveAs=0&Render http://www.eaton.eu/DE/ecm/idcplg?IdcService=GET_FILE&Save time – we assist you with expert pre-assembly |                                                                                                                                                                                                                                 |
| allowInterrupt=1&RevisionSelectionMethod=LatestReleased&noSaveAs=0&Render http://www.eaton.eu/DE/ecm/idcplg?IdcService=GET_FILE&product information xEnergy Safety Ci              |                                                                                                                                                                                                                                 |
| 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> |