

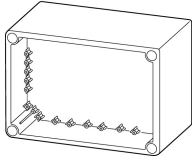


Base, smooth sides, HxWxD=250x187.5x120mm

Part no. U-CI23X  
Catalog No. 057909

EL-Nummer 2502239  
(Norway)

## Delivery program

|                                                                      |  |    |                                                                                    |
|----------------------------------------------------------------------|--|----|------------------------------------------------------------------------------------|
|                                                                      |  |    |  |
| Product range                                                        |  |    | xEnergy Safety Ci                                                                  |
| Basic function                                                       |  |    | Basic enclosures                                                                   |
| Product function                                                     |  |    | Enclosure bases                                                                    |
| Accessories                                                          |  |    | Individual enclosure bottoms                                                       |
| Single unit/Complete unit                                            |  |    | Modular system                                                                     |
| Standards                                                            |  |    | EN 62208<br>EN 61439-2                                                             |
| Description                                                          |  |    | Smooth sides<br>Without knockouts                                                  |
| Model base                                                           |  |    | Plain                                                                              |
| <b>Dimensions</b>                                                    |  |    |                                                                                    |
| Width                                                                |  | mm | 187.5                                                                              |
| Height                                                               |  | mm | 250                                                                                |
| Cable entry                                                          |  |    | Top and bottom<br>Drill as required<br>Transverse<br>Drill as required             |
| <b>Notes</b> Flanges →#024355<br>Distance frame for CI45... →#110103 |  |    |                                                                                    |

## Design verification as per IEC/EN 61439

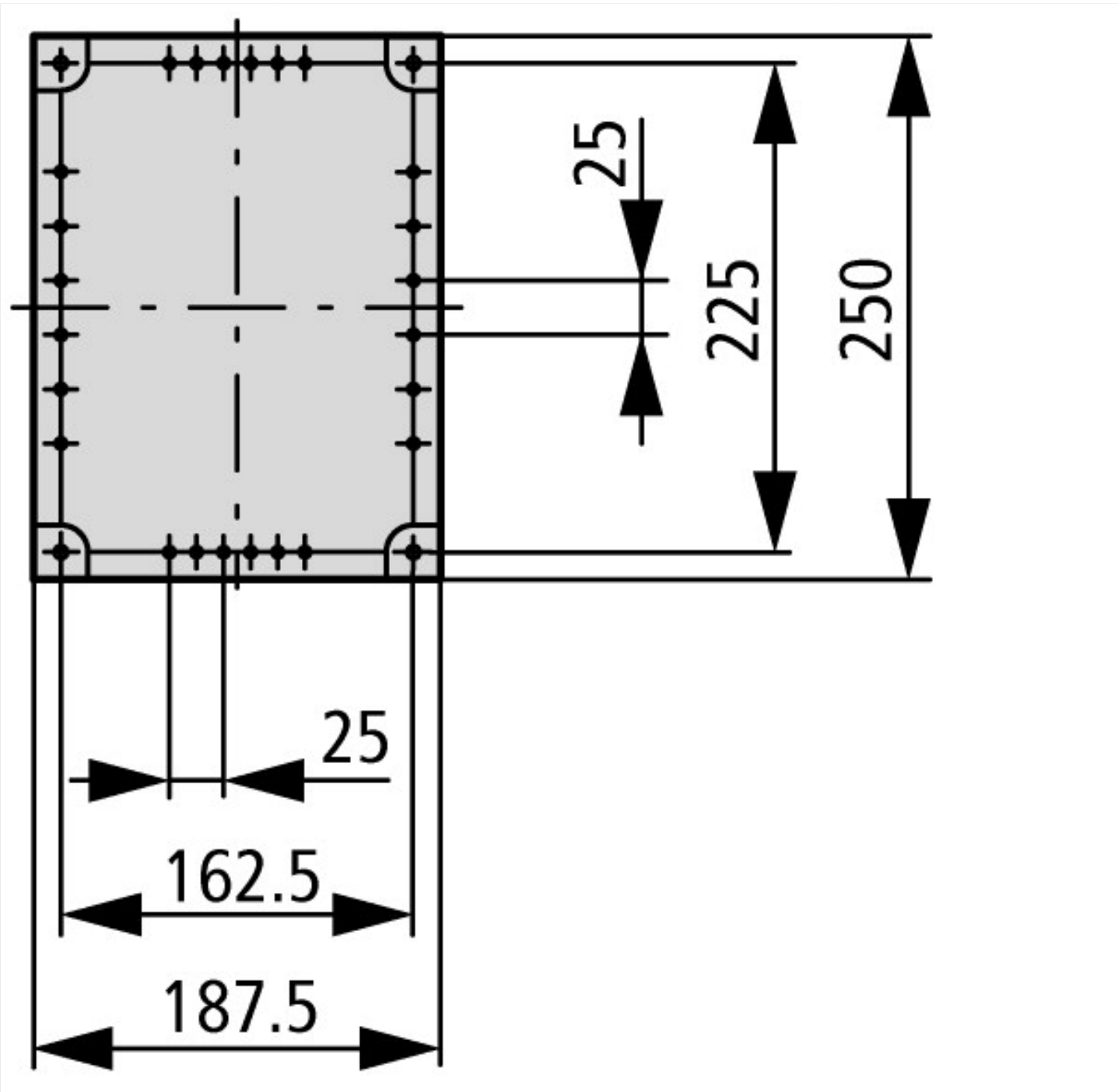
|                                                                                                                               |                |   |                                                                                                                                    |
|-------------------------------------------------------------------------------------------------------------------------------|----------------|---|------------------------------------------------------------------------------------------------------------------------------------|
| 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 | 11                                                                                                                                 |
| Starting enclosure for wall mounting                                                                                          | P <sub>V</sub> | W | 10                                                                                                                                 |
| Middle enclosure for wall mounting                                                                                            | P <sub>V</sub> | W | 9                                                                                                                                  |
| 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 | 22                                                                                                                                 |
| Starting enclosure for wall mounting                                                                                          | P <sub>V</sub> | W | 20                                                                                                                                 |
| Middle enclosure for wall mounting                                                                                            | P <sub>V</sub> | W | 19                                                                                                                                 |
| 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        |                |   | 960 °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                                                                                                                |                |   | 5 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, with cover                                                                                                                   |

|                                                          |  |  |                                                                                                                                  |
|----------------------------------------------------------|--|--|----------------------------------------------------------------------------------------------------------------------------------|
| 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                 |  |  | $U_i = 1000 \text{ V AC}$                                                                                                        |
| 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) (ecI@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                                                                                                                                                                                                                              |  |    | No                        |
| With lock                                                                                                                                                                                                                                           |  |    | No                        |
| Nominal current (In)                                                                                                                                                                                                                                |  | A  | 1600                      |
| Height                                                                                                                                                                                                                                              |  | mm | 250                       |
| Width                                                                                                                                                                                                                                               |  | mm | 180                       |
| Depth                                                                                                                                                                                                                                               |  | mm | 100                       |
| Built-in depth                                                                                                                                                                                                                                      |  | mm | 150                       |
| Internal depth                                                                                                                                                                                                                                      |  | mm | 100                       |
| 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                                                                                                                                                                                                                 |  |    | 9                         |
| Number of openings for flange plates                                                                                                                                                                                                                |  |    | 0                         |
| Extension possible                                                                                                                                                                                                                                  |  |    | No                        |
| 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)                                                                                                                                                                                                                           |  |    | 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)

|                                                                                                                                                                                    |                                                                                                          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| 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                                                                                                              | http://www.eaton.eu/DE/Europe/Electrical/CustomerSupport/ConfigurationTools/TCTool/index.htm             |
| configurator - xEnergy family                                                                                                                                                      | http://www.eaton.eu/DE/Europe/Electrical/CustomerSupport/ConfigurationTools/xEnergyMainSupport/index.htm |