## Insulated enclosure, +knockouts, HxWxD=250x187.5x150mm



Part no. C123E-125 019570 EL Number 4132075

(Norway)

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|-------------------------------------|---|
| Product name                        | Eaton xEnergy Safety Ci empty enclosure insulated   |
| Part no.                            | Cl23E-125   |
| EAN                                 | 4015080195702   |
| Product Length/Depth                | 150 millimetre  |
| Product height                      | 250 millimetre  |
| Product width                       | 187.5 millimetre  |
| Product weight                      | 1.294 kilogram  |
| Compliances                         | RoHS conform  |
| Certifications                      | EN 62208  |
| 0.102.00                            | EN 61439-2  |
| Product Tradename                   | xEnergy Safety Ci   |
| Product Type                        | Empty enclosure   |
| Product Sub Type                    | Insulated   |
|                                     |   |
| Туре                                | Basic enclosure Individual enclosures xEnergy Safety Ci   |
| Color                               | Gray<br>Transparent, smoky gray (cover)<br>Light gray (RAL 7035, base)                              |
| Nominal current                     | 1600 A  |
|                                     |   |
| Circuit integrity                   | Other   |
|                                     |   |
| 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 | 9   |
| Mounting depth with mounting plate  | 125 mm  |
| Mounting method                     | Surface mounted (plaster)   |
| Material                            | Glass-fibre reinforced polycarbonate (base)<br>Non-reinforced polycarbonate (cover)<br>Halogen free |
| Degree of protection                | IP65<br>IK10<br>Other   |
| Number of conduit inlets            | 30  |
| Number of modules                   | 1   |
| Number of openings (flange plates)  | 4   |
| Number of rows                      | 0   |
| Built-in depth                      | 125 mm  |
| Internal depth                      | 125 mm  |
| Cover/door color                    | Transparent   |
| Cover/door model                    | Closed  |
| Cover/door type                     | None<br>Optional  |
| Plate thickness (cabinet)           | 6 mm  |
| Plate thickness (cover/door)        | 6 mm  |
| - ···                               |   |
| Saline spray resistance             | IEC 60068-2-11  |

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| Hear dies ambient 20°C della 120°C wall mount starting enct. top IEC 08889  Hear dies ambient 30°C della 120°C wall mount starting enct. top IEC 08899  Temperature resistance  Temperature resistance of Temperature defails  Temperature resistance  Temperature resistance (Temperature defails)  Temperature resistance (Temperature resessance)  Temperat | Heat diss. ambient 35°C delta T: 35°C wall mount middle encl. top (IEC 60890)    | 20 W  |
| Heat diss, ambient 39°C delta 139°C wall mount individ, encl. top IDE 588900  Reperature resistance  Temperature resistance  Temperature resistance  Temperature resistance 10°C 181°C (incideuse) Temperature | Heat diss. ambient 35°C delta T:20°C wall mount individ. encl. top (IEC 60890)   | 12 W  |
| Heat dies. ambient 25°C defia Tay'C wall mount starting enct. top DEC 58800)  Tomperature resistance   | Heat diss. ambient 35°C delta T:20°C wall mount starting encl. top (IEC 60890)   | 11 W  |
| Temperature resistance Temperature Temperature resistance Temperature Temperature Temperature Temperature Temperat | Heat diss. ambient 35°C delta T:35°C wall mount individ. encl. top (IEC 60890)   | 24 W  |
| Ambient operature details Ambient operature details Calcarceriature Calcarceri | Heat diss. ambient 35°C delta T:35°C wall mount starting encl. top (IEC 60890)   | 22 W  |
| Ambient operature details Ambient operature details Calcarceriature Calcarceri |  |   |
| 10.2.2 Corrosion resistance 10.2.3.1 Verification of hemsel stability of enclosures 10.2.3.2 Verification of hemsel stability of enclosures 10.2.3.3 Resist of insul, mat to abnormal heat/fire by internal elect. effects 10.2.3.3 Resist of insul, mat to abnormal heat/fire by internal elect. effects 10.2.4 Sessione to ultra-violet (IVI) radiation 10.2.5 Lifting 10.2.6 Mechanical impact 10.2.6 Mechanical impact 10.2.1 Inscriptions 10.2.1 Inscriptions 10.3.1 Engineer of protection of assemblies 10.4.1 Clearances and creepage distances 10.3.0 Regree of protection of assemblies 10.4.1 Clearances and creepage distances 10.5.1 From the company of the product standard's requirements. 10.5.1 From the company of the product standard's requirements. 10.5.1 Inscriptions 10.5 Protection against electric shock 10.5 Protection against electric shock 10.5 Protection of assemblies 10.6 Incorporation of workthing devices and components 10.6 Incorporation of workthing devices and components 10.8 Comerctions for external conductors 10.8 Comerctions for external conductors 10.8 Comerctions for external conductors 10.8 Insulation of external conductors 10.8 Insulation of external conductors 10.9 Protection against electric strength 10.1 Timernal electrical circuits and connections 10.1 Timernal electrical circuits and connections 10.1 Simple external conductors 10.1 Timernal electrical circuits and connections 10.1 Timernal electrical circuits an | Temperature resistance   | Temperature resistant: 85 °C (enclosure bolt)   |
| 10.2.3.1 Verification of thermal stability of enclosures 10.2.3.2 Verification of resistance of insulating matorials to normal heat 10.2.3.2 Verification of resistance of insulating matorials to normal heat 10.2.3.3 Resist of Insul. mat. to abnormal heat/fire by internal elect. effects 10.2.4.3 Resistance to ultra-violet (UV) rediation 10.2.5 Libting 10.2.5 Libting 10.2.5 Libting 10.2.5 Mechanical impact 10.2.6 Mechanical impact 10.3.0 Segree of protection of assemblies 10.4. Clearances and creepage distances 10.4. Clearances and creepage distances 10.5 Protection against electric shock 10.6 Incorporation of switching devices and components 10.6 Incorporation of switching devices and components 10.7 Internal electrical circuits and connections 10.8 Connections for external conductors 10.8 Connections for external conductors 10.9 Segree of protection of insulating matorial 10.9 Segree of protection of insulating matorial 10.9 Segree of protection of insulating matorial 10.9 Segree of protection of switching devices and components 10.8 Connections for external conductors 10.8 Connections for external conductors 10.8 Segree of protection of insulating matorial 10.9 Segree of protection of insulating matorial 10.9 Segree of protection of insulating matorial 10.1 Internal electrical circuits and connections 10.1 Internal electrical internal insulating matorial 10.1 Internal insulating mator | Ambient operating temperature details  | -40 °C - 80 °C  |
| 10.2.3.1 Verification of thermal stability of enclosures 10.2.3.2 Verification of resistance of insulating matorials to normal heat 10.2.3.2 Verification of resistance of insulating matorials to normal heat 10.2.3.3 Resist of Insul. mat. to abnormal heat/fire by internal elect. effects 10.2.4.3 Resistance to ultra-violet (UV) rediation 10.2.5 Libting 10.2.5 Libting 10.2.5 Libting 10.2.5 Mechanical impact 10.2.6 Mechanical impact 10.3.0 Segree of protection of assemblies 10.4. Clearances and creepage distances 10.4. Clearances and creepage distances 10.5 Protection against electric shock 10.6 Incorporation of switching devices and components 10.6 Incorporation of switching devices and components 10.7 Internal electrical circuits and connections 10.8 Connections for external conductors 10.8 Connections for external conductors 10.9 Segree of protection of insulating matorial 10.9 Segree of protection of insulating matorial 10.9 Segree of protection of insulating matorial 10.9 Segree of protection of switching devices and components 10.8 Connections for external conductors 10.8 Connections for external conductors 10.8 Segree of protection of insulating matorial 10.9 Segree of protection of insulating matorial 10.9 Segree of protection of insulating matorial 10.1 Internal electrical circuits and connections 10.1 Internal electrical internal insulating matorial 10.1 Internal insulating mator |  |   |
| 10.2.3.2 Verification of resistance of insultating materials to normal heat 10.2.3.8 Resist of insult mat. to abnormal heat/fire by internal elect. effects 10.2.4 Resistance to ultra-violet (UV) rediction 10.2.5 Lifting 10.2.5 Lifting 10.2.5 Lifting 10.2.6 Mechanical impact 10.2.6 Mechanical impact 10.2.6 Mechanical impact 10.2.7 Inscriptions 10.2.7 Inscriptions 10.3.0 Degree of protection of assemblies 10.3.0 Degree of protection of assemblies 10.4.0 Clearances and creepage distances 10.5 Protection against electric shock 10.5 Incorporation of switching devices and components 10.5 Protection against electric shock 10.5 Inscriptions 10.6 Someoctions for external conductors 10.8 Connections for external conductors 10.9 Lifting and enclosures made of insultating material 10.9 Lifting and electrical circuits and connections 10.9 Lifting and electrical circuits and connections 10.9 Lifting and enclosures made of insultating material 10.1 Temperature rise 10.1 Someoctions for external conductors 10.1 Someoctions for external conductors 10.2 Lifting and enclosures made of insultating material 10.1 Temperature rise 10.2 Lifting and enclosures made of insultating material 10.1 Temperature rise 10.1 Someoctions for external conductors 10.1 Someoctions for external conductors 10.2 Lifting and enclosures made of insultating material 10.1 Someoctions for external conductors 10.2 Lifting and enclosures made of insultating material 10.3 Insultance of insultating material 10.4 Lifting and enclosures made of insultating material 10.5 The panel builder's responsibility. 10.1 Someoctions for external compatibility 10.1 Someoctions for exter | 10.2.2 Corrosion resistance  | 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         \$ bg per enclosure with support frame and lifting aid met assembled and secured as port the letter applicable instruction leaflet.           10.2.8 Machanical impact         IX10           10.2.7 Incriptions         Meets the groduct 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.           10.9.2 Power-frequency electric strength         Us a 1000 VAC           10.9.3 Impulse withstand voltage         84V           10.9.4 Testing of enclosures made of insulating material         He panel builder's responsibility.           10.1 Short-circuit rating         Is the panel builder's responsibility.           10.12 Electromagnetic compatibility         Is the panel builder's responsibility.           10.13 Macchanical function         Veresistance beneath protecti   | 10.2.3.1 Verification of thermal stability of enclosures                         | Meets the product standard's requirements.  |
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| as part the latest applicable instruction leaflet.   | 10.2.4 Resistance to ultra-violet (UV) radiation                                 | Not relevant to indoor installations.   |
| 10.2.7 Inscriptions 10.3 Degree of protection of assemblies 10.4 Clearances and creepage distances 10.5 Protection against electric shock 10.5 Incorporation of switching devices and components 10.5 Incorporation of switching devices and components 10.6 Incorporation of switching devices and components 10.6 Incorporation of switching devices and components 10.7 Internal electrical circuits and connections 10.8 Connections for external conductors 10.9.2 Power-frequency electric strength 10.9.3 Impulse withstand voltage 10.9.3 Impulse withstand voltage 10.9.1 Temperature rise 10.10 Temperature rise 10.10 Temperature rise 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.12 Electromagnetic compatibility 10.12 Electromagnetic compatibility 10.13 Mechanical function 10.14 Mechanical function 10.15 Mechanical function 10.15 Mechanical function 10.16 Temperature rise 10.10 Te | 10.2.5 Lifting   |   |
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| 10.9.3 Impulse withstand voltage 10.9.4 Testing of enclosures made of insulating material 10.10 Temperature rise 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function 10.13 Mechanical function 10.14 Meets the product standard's requirements. 10.15 Meets the panel builder's responsibility. 10.15 Meets the panel builder's responsibility. 10.16 Lest panel builder's responsibility. 10.17 Meets the product standard's requirements. 10.16 Meets the product standard's requirements. 10.17 Meets the product standard's requirements. 10.18 Meets the product standard's requirements. 10.19 Meets the product standard's requirements. 10.10 Temperature rise calculation. Eaton will provide heat dissipation data for the devices. 10.11 Meets the panel builder's responsibility. 10.12 Electromagnetic compatibility. 10.13 Mechanical function 10.14 Meets the product standard's requirements. 10.15 Meets the product standard's requirements. 10.16 Meets the product standard's requirements. 10.16 Meets the product standard's requirements. 10.16 Meets the product standard's requirements. 10.18 Meets the product standard's requirements. 10.19 Meets the product standard's requirements. 10.10 Meets the product standa | 10.8 Connections for external conductors   | Is the panel builder's responsibility.  |
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| 10.10 Temperature rise  10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function  Features  10.15 Amability characteristics (UL)  Finamability characteristics (UL)  Fortection class  Frotection class  Frotection class  Frotection class  Frotection class  Special features  Special featu | 10.9.3 Impulse withstand voltage   | 8 kV  |
| Provide heat dissipation data for the devices.   Is the panel builder's responsibility.   In the panel builder's responsibility.   Is the panel builder's responsibility.   In the panel builder's responsibility.   Is the panel builder's responsibility.   In the panel builder's resp   | 10.9.4 Testing of enclosures made of insulating material                         | Meets the product standard's requirements.  |
| 10.12 Electromagnetic compatibility 10.13 Mechanical function  Reatures  UV resistance beneath protective shield Cover with overpressure release  Flammability characteristics (UL)  Functions  Functions  Protection class  RAL-number  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  | 10.10 Temperature rise   |   |
| Meets the product standard's requirements.  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  | 10.11 Short-circuit rating   | Is the panel builder's responsibility.  |
| Features  UV resistance beneath protective shield Cover with overpressure release  UV resistance beneath protective shield Cover with overpressure release  UV resistance beneath protective shield Cover with overpressure release  V1 (base) (UL94) V2 (cover) (UL94) Functions  Extension possible  II  RAL-number  7035  Special features  With metric knockouts in all sides of the enclosure Include fixing straps for well 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  | 10.12 Electromagnetic compatibility  | Is the panel builder's responsibility.  |
| Flammability characteristics (UL)  Functions  Functions  Protection class  RAL-number  Special features  Suitable for  Cover with overpressure release  V1 (base) (UL94)  V2 (cover) (UL94)  Extension possible  II  ROUS  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  Lightning protection Outdoor use  | 10.13 Mechanical function  | Meets the product standard's requirements.  |
| Functions  Functions  Extension possible  Protection class  II  RAL-number  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   | Features   |   |
| Protection class  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   | Flammability characteristics (UL)  |   |
| RAL-number  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   | Functions  | Extension possible  |
| 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   | Protection class   | II  |
| 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  | RAL-number   | 7035  |
| Outdoor use  | Special features   | wall mounting Sealable cover fasteners Full-area knockouts in the sides can be converted to a distribution board enclosure Integrated pressure-relief mechanism |
| Used with Eaton Switching and protection devices   | Suitable for   |   |
|  | Used with  | Eaton Switching and protection devices  |

## **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          | None                      |
| Cover model            | Closed                    |
| Type of door           | None                      |
| Transparent cover/door | Yes                       |

| With lock                            |    | No      |
|--------------------------------------|----|---------|
| Nominal current (In)                 | Α  | 1,600   |
| Height                               | mm | 250     |
| Width                                | mm | 187.5   |
| 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                           |    | 7,035   |
| Number of modules                    |    | 1       |
| Number of rows                       |    | 0       |
| Width in number of modular spacings  |    | 9       |
| Number of openings for flange plates |    | 4       |
| Extension possible                   |    | Yes     |
| Number of conduit inlets             |    | 30      |
| 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   |
| Cover with overpressure release      |    | Yes     |
|                                      |    |         |