

# Specifications



## Eaton 019900

Eaton xEffect Ci Enclosures Switch- & Controlgear Enclosure. Insulated enclosure, smooth sides, HxWxD=250x375x150mm

### General specifications

|                             |                                                             |
|-----------------------------|-------------------------------------------------------------|
| <b>PRODUCT NAME</b>         | Eaton xEffect Ci Enclosures Switch- & Controlgear Enclosure |
| <b>CATALOG NUMBER</b>       | 019900                                                      |
| <b>MODEL CODE</b>           | CI43X-125                                                   |
| <b>EAN</b>                  | 4015080199007                                               |
| <b>PRODUCT LENGTH/DEPTH</b> | 150 mm                                                      |
| <b>PRODUCT HEIGHT</b>       | 250 mm                                                      |
| <b>PRODUCT WIDTH</b>        | 375 mm                                                      |
| <b>PRODUCT WEIGHT</b>       | 2.523 kg                                                    |
| <b>COMPLIANCES</b>          | RoHS conform                                                |
| <b>CERTIFICATIONS</b>       | EN 61439-2<br>EN 62208                                      |



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## Product specifications

|                                                                                         |                                                                                                                                     |
|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| <b>SPECIAL FEATURES</b>                                                                 | Smooth side plates, without knockouts<br>Sealable cover fasteners<br>Include fixing straps for wall mounting                        |
| <b>TYPE</b>                                                                             | Basic enclosure Individual enclosures xEnergy Safety Ci                                                                             |
| <b>FEATURES</b>                                                                         | UV resistance beneath protective shield<br>Cover with overpressure release                                                          |
| <b>10.10 TEMPERATURE RISE</b>                                                           | The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.    |
| <b>10.11 SHORT-CIRCUIT RATING</b>                                                       | Is the panel builder's responsibility.                                                                                              |
| <b>10.12 ELECTROMAGNETIC COMPATIBILITY</b>                                              | Is the panel builder's responsibility.                                                                                              |
| <b>10.13 MECHANICAL FUNCTION</b>                                                        | Meets the product standard's requirements.                                                                                          |
| <b>10.2.2 CORROSION RESISTANCE</b>                                                      | Meets the product standard's requirements.                                                                                          |
| <b>10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES</b>                         | Meets the product standard's requirements.                                                                                          |
| <b>10.2.3.2 VERIFICATION OF RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT</b>       | Meets the product standard's requirements.                                                                                          |
| <b>10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS</b> | Lower part: 960 °C / cover: 850 °C                                                                                                  |
| <b>10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION</b>                                 | Not relevant to indoor installations.                                                                                               |
| <b>10.2.5 LIFTING</b>                                                                   | 10 kg per enclosure with support frame and lifting aid met; assembled and secured as per the latest applicable instruction leaflet. |
| <b>10.2.6 MECHANICAL IMPACT</b>                                                         | IK10                                                                                                                                |
| <b>10.2.7 INSCRIPTIONS</b>                                                              | Meets the product standard's requirements.                                                                                          |
| <b>10.3 DEGREE OF</b>                                                                   | IP65                                                                                                                                |

## Resources

|                            |                                                                                                                 |
|----------------------------|-----------------------------------------------------------------------------------------------------------------|
| CERTIFICATION REPORTS      | <a href="#">eaton-xeffect-ci-certificate-of-compliance-en-us.pdf</a>                                            |
| DECLARATIONS OF CONFORMITY | <a href="#">eaton-empty-enclosure-declaration-of-conformity-eu250306en.pdf</a>                                  |
| DRAWINGS                   | <a href="#">eaton-enclosures-enclosure-xenergy-safety-ci-lv-systems-dimensions-010.eps</a>                      |
|                            | <a href="#">eaton-enclosures-enclosure-xenergy-safety-ci-lv-systems-dimensions-013.eps</a>                      |
|                            | <a href="#">eaton-enclosures-xenergy-safety-ci-lv-systems-dimensions-002.eps</a>                                |
|                            | <a href="#">eaton-enclosures-enclosure-xenergy-safety-ci-lv-systems-dimensions-004.eps</a>                      |
|                            | <a href="#">eaton-enclosures-mounting-xenergy-safety-ci-lv-systems-dimensions.eps</a>                           |
| INSTALLATION INSTRUCTIONS  | <a href="#">05670392.pdf</a><br><a href="#">eaton-xenergy-safety-ci-enclosure-brochure-br014001en-en-us.pdf</a> |
| INSTALLATION VIDEOS        | <a href="#">xEffect CI stand-alone polycarbonate enclosure ci43x_125.stp</a>                                    |
| MCAD MODEL                 | <a href="#">eaton-front-access-switchboard-mcad-drawings-ci43x-125.dwg</a>                                      |
| PEP ECO-PASSPORT           | <a href="#">eaton-front-access-switchboard-pep-eato-00213-v0101-en.pdf</a>                                      |

|                                                                                       |                                                                                                                                                                     |
|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>PROTECTION OF ASSEMBLIES</b>                                                       |                                                                                                                                                                     |
| <b>10.4 CLEARANCES AND CREEPAGE DISTANCES</b>                                         | Is the panel builder's responsibility.                                                                                                                              |
| <b>10.5 PROTECTION AGAINST ELECTRIC SHOCK</b>                                         | Protection class 2, therefore not applicable.                                                                                                                       |
| <b>10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS</b>                         | Is the panel builder's responsibility.                                                                                                                              |
| <b>10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS</b>                              | Is the panel builder's responsibility.                                                                                                                              |
| <b>10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS</b>                                       | Is the panel builder's responsibility.                                                                                                                              |
| <b>10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH</b>                                       | Ui = 1000 V AC                                                                                                                                                      |
| <b>10.9.3 IMPULSE WITHSTAND VOLTAGE</b>                                               | 8 kV                                                                                                                                                                |
| <b>10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL</b>                       | Meets the product standard's requirements.                                                                                                                          |
| <b>SURFACE FINISHING</b>                                                              | Resistant to corrosion                                                                                                                                              |
| <b>DEGREE OF PROTECTION</b>                                                           | Other<br>IK10<br>IP65                                                                                                                                               |
| <b>ENCLOSURE MATERIAL</b>                                                             | Plastic                                                                                                                                                             |
| <b>SURFACE PROTECTION</b>                                                             | Other                                                                                                                                                               |
| <b>CHEMICAL RESISTANCE</b>                                                            | Resistant against: acids < 10 %, mineral oil, alcohol, gasoline, greases, salt solutions<br>Not resistant to: alkalis, benzene<br>Partly resistant to: Acids > 10 % |
| <b>CIRCUIT INTEGRITY</b>                                                              | Other                                                                                                                                                               |
| <b>BASE TYPE</b>                                                                      | Plain                                                                                                                                                               |
| <b>UNIT TYPE</b>                                                                      | Stand-alone device                                                                                                                                                  |
| <b>BUILT-IN DEPTH</b>                                                                 | 125 mm                                                                                                                                                              |
| <b>HEAT DISS. AMBIENT 35°C DELTA T:20°C WALL MOUNT INDIVID. ENCL. TOP (IEC 60890)</b> | 20 W                                                                                                                                                                |
| <b>HEAT DISS. AMBIENT 35°C DELTA T: 20°C WALL MOUNT MIDDLE ENCL. TOP (IEC 60890)</b>  | 18 W                                                                                                                                                                |
| <b>HEAT DISS. AMBIENT 35°C DELTA T:20°C WALL</b>                                      | 19 W                                                                                                                                                                |

|                                                                                                   |                                                                                                                                                       |
|---------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>MOUNT STARTING ENCL.<br/>TOP (IEC 60890)</b>                                                   |                                                                                                                                                       |
| <b>HEAT DISS. AMBIENT<br/>35°C DELTA T:35°C WALL<br/>MOUNT INDIVID. ENCL.<br/>TOP (IEC 60890)</b> | 41 W                                                                                                                                                  |
| <b>HEAT DISS. AMBIENT<br/>35°C DELTA T: 35°C WALL<br/>MOUNT MIDDLE ENCL.<br/>TOP (IEC 60890)</b>  | 37 W                                                                                                                                                  |
| <b>HEAT DISS. AMBIENT<br/>35°C DELTA T:35°C WALL<br/>MOUNT STARTING ENCL.<br/>TOP (IEC 60890)</b> | 39 W                                                                                                                                                  |
| <b>COLOR</b>                                                                                      | Transparent, smoky gray<br>(cover)<br>Light gray (RAL 7035, base)<br><br>Gray                                                                         |
| <b>COVER/DOOR COLOR</b>                                                                           | Transparent                                                                                                                                           |
| <b>COVER/DOOR MODEL</b>                                                                           | Closed                                                                                                                                                |
| <b>COVER/DOOR TYPE</b>                                                                            | Optional<br>Transparent<br>None                                                                                                                       |
| <b>NUMBER OF OPENINGS<br/>(FLANGE PLATES)</b>                                                     | 0                                                                                                                                                     |
| <b>PLATE THICKNESS<br/>(CABINET)</b>                                                              | 9 mm                                                                                                                                                  |
| <b>PLATE THICKNESS<br/>(COVER/DOOR)</b>                                                           | 6 mm                                                                                                                                                  |
| <b>RAL-NUMBER</b>                                                                                 | 7035                                                                                                                                                  |
| <b>WIDTH IN NUMBER OF<br/>MODULAR SPACINGS</b>                                                    | 15                                                                                                                                                    |
| <b>AMBIENT OPERATING<br/>TEMPERATURE DETAILS</b>                                                  | -40 °C - 80 °C                                                                                                                                        |
| <b>MATERIAL</b>                                                                                   | Halogen free<br>Glass-fibre reinforced<br>polycarbonate (base)<br>Non-reinforced<br>polycarbonate (cover)                                             |
| <b>MOUNTING METHOD</b>                                                                            | Surface mounted (plaster)                                                                                                                             |
| <b>NUMBER OF ROWS</b>                                                                             | 0                                                                                                                                                     |
| <b>TEMPERATURE<br/>RESISTANCE</b>                                                                 | Temperature resistant: 80<br>°C (gasket)<br>Temperature resistant: 85<br>°C (enclosure bolt)<br>Temperature resistant: -40<br>°C - 120 °C (enclosure) |
| <b>FLAMMABILITY<br/>CHARACTERISTICS (UL)</b>                                                      | V1 (base) (UL94)<br>V2 (cover) (UL94)                                                                                                                 |
| <b>PROTECTION CLASS</b>                                                                           | II                                                                                                                                                    |

|                                    |                                     |
|------------------------------------|-------------------------------------|
| NUMBER OF MODULES                  | 1                                   |
| SURFACE TREATMENT                  | Resistant to corrosion              |
| INTERNAL DEPTH                     | 125 mm                              |
| MOUNTING DEPTH WITH MOUNTING PLATE | 125 mm                              |
| NOMINAL CURRENT                    | 1600 A                              |
| NUMBER OF CONDUIT INLETS           | 0                                   |
| SUITABLE FOR                       | Lightning protection<br>Outdoor use |
| SALINE SPRAY RESISTANCE            | IEC 60068-2-11                      |
| ENCLOSURE MATERIAL QUALITY         | Other                               |
| TYPE OF COATING                    | Other                               |

|                 |
|-----------------|
| PROJECT NAME:   |
| PROJECT NUMBER: |
| PREPARED BY:    |
| DATE:           |



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