

# Specifications



## Eaton 206881

Eaton Moeller® series CI-K Insulated enclosure, HxWxD=120x80x95mm, +mounting rail CI-K1-95-TS

### General specifications

|                             |                                                                                         |
|-----------------------------|-----------------------------------------------------------------------------------------|
| <b>PRODUCT NAME</b>         | Eaton Moeller® series CI-K Insulated enclosure                                          |
| <b>CATALOG NUMBER</b>       | 206881                                                                                  |
| <b>MODEL CODE</b>           | CI-K1-95-TS                                                                             |
| <b>EAN</b>                  | 4015082068813                                                                           |
| <b>PRODUCT LENGTH/DEPTH</b> | 95 mm                                                                                   |
| <b>PRODUCT HEIGHT</b>       | 137 mm                                                                                  |
| <b>PRODUCT WIDTH</b>        | 80 mm                                                                                   |
| <b>PRODUCT WEIGHT</b>       | 0.178 kg                                                                                |
| <b>CERTIFICATIONS</b>       | UL94: HB<br>IEC/EN 60529<br>DIN EN 62208<br>IEC 60068-2-11<br>UL94: VO/1.5 mm thickness |
| <b>CATALOG NOTES</b>        | Lamp indicator L-... can be mounted in base knock-out M20/M25                           |

## Product specifications

|                                                                                         |                                                                                                                                  |
|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| <b>TYPE</b>                                                                             | Basic enclosure                                                                                                                  |
| <b>FEATURES</b>                                                                         | UV resistance beneath protective shield<br>Halogen free                                                                          |
| <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. The specifications for the switchgear must be observed.                                   |
| <b>10.12 ELECTROMAGNETIC COMPATIBILITY</b>                                              | Is the panel builder's responsibility. The specifications for the switchgear must be observed.                                   |
| <b>10.13 MECHANICAL FUNCTION</b>                                                        | The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.                         |
| <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> | Meets the product standard's requirements.                                                                                       |
| <b>10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION</b>                                 | Please enquire                                                                                                                   |
| <b>10.2.5 LIFTING</b>                                                                   | Not applicable.                                                                                                                  |
| <b>10.2.6 MECHANICAL IMPACT</b>                                                         | Does not apply, since the entire switchgear needs to be evaluated.                                                               |
| <b>10.2.7 INSCRIPTIONS</b>                                                              | Meets the product standard's requirements.                                                                                       |
| <b>10.3 DEGREE OF PROTECTION OF ASSEMBLIES</b>                                          | Meets the product standard's requirements.                                                                                       |
| <b>10.4 CLEARANCES AND</b>                                                              | Meets the product                                                                                                                |

## Resources

|                                   |                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>BROCHURES</b>                  | <a href="#">Brochure - CI-K small enclosures</a>                                                                                                                                                                                                                                                                                                                                |
| <b>DECLARATIONS OF CONFORMITY</b> | <a href="#">eaton-insulated-enclosure-declaration-of-conformity-eu250555en.pdf</a><br><a href="#">eaton-insulated-enclosure-declaration-of-conformity-uk251038en.pdf</a>                                                                                                                                                                                                        |
| <b>DRAWINGS</b>                   | <a href="#">eaton-insulated-boards-mounting-ci-k-insulated-enclosure-dimensions.eps</a><br><a href="#">eaton-insulated-boards-enclosure-ci-k-insulated-enclosure-dimensions-002.eps</a><br><a href="#">eaton-insulated-boards-mounting-ci-k-insulated-enclosure-dimensions-002.eps</a><br><a href="#">eaton-small-enclosures-device-ci-k-insulated-enclosure-3d-drawing.eps</a> |
| <b>ECAD MODEL</b>                 | <a href="#">DA-CE-ETN.CI-K1-95-TS</a>                                                                                                                                                                                                                                                                                                                                           |
| <b>INSTALLATION INSTRUCTIONS</b>  | <a href="#">IL01502081Z</a>                                                                                                                                                                                                                                                                                                                                                     |
| <b>MCAD MODEL</b>                 | <a href="#">DA-CS-ci k ts 1</a><br><a href="#">eaton-enclosures-mcad-drawings-ci-k1-ts.dwg</a>                                                                                                                                                                                                                                                                                  |

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|-----------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| <b>CREEPAGE DISTANCES</b>                                       | standard's requirements.                                                                                                  |
| <b>10.5 PROTECTION AGAINST ELECTRIC SHOCK</b>                   | Does not apply, since the entire switchgear needs to be evaluated.                                                        |
| <b>10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS</b>   | Does not apply, since the entire switchgear needs to be evaluated.                                                        |
| <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>                 | Is the panel builder's responsibility.                                                                                    |
| <b>10.9.3 IMPULSE WITHSTAND VOLTAGE</b>                         | Is the panel builder's responsibility.                                                                                    |
| <b>10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL</b> | Meets the product standard's requirements.                                                                                |
| <b>FITTED WITH:</b>                                             | Push-through cable entry diaphragm<br>Mounting rail to IEC/EN 60715                                                       |
| <b>CLIMATIC PROOFING</b>                                        | Damp heat, constant, to IEC 60068-2-78<br>Damp heat, cyclic, to IEC 60068-2-30                                            |
| <b>ENCLOSURE MATERIAL</b>                                       | $1 \Omega \times 10^{13}$ (Surface resistance to IEC 60093)<br>Plastic                                                    |
| <b>AMBIENT OPERATING TEMPERATURE - MAX</b>                      | 70 °C                                                                                                                     |
| <b>AMBIENT OPERATING TEMPERATURE - MIN</b>                      | -25 °C                                                                                                                    |
| <b>EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID</b>       | 0 W                                                                                                                       |
| <b>MOUNTING DEPTH</b>                                           | 72 mm                                                                                                                     |
| <b>MOUNTING WEIGHT CAPACITY - MAX</b>                           | 0.5 kg                                                                                                                    |
| <b>PRODUCT CATEGORY</b>                                         | Empty enclosures                                                                                                          |
| <b>ENCLOSURE COLOR</b>                                          | Light gray, Operator (RAL 7035)<br>Black (RAL 9005)<br>Light gray, Cover (RAL 7035)                                       |
| <b>ENVIRONMENTAL RESISTANCE</b>                                 | Resistant against alkalis<br>Partly resistant to greases<br>Resistant against salt solutions<br>Chemical resistant (Push- |

|                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|---------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                         | <p>through membrane (CI-K1/CI-K2) and sealing material)</p> <p>Not resistant to benzene</p> <p>Partly resistant to acids (&gt; 10%)</p> <p>Resistant against mineral oil</p> <p>Partly resistant to benzene</p><br><p>Resistant against acids (&lt; 10%)</p> <p>Not resistant to alkalis</p> <p>Partly resistant to alcohol</p> <p>Resistant against alcohol</p> <p>Resistant against benzene</p> <p>Resistant against gasoline</p> <p>Not resistant to Mineral oil</p><br><p>Resistant against greases</p> <p>Chemical resistant (Base, Cover)</p> |
| <b>COVER MATERIAL</b>                                   | Glass-fiber reinforced polycarbonate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>DEGREE OF PROTECTION</b>                             | IP65<br>NEMA Other                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>MODEL</b>                                            | Surface mounting                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>DIELECTRIC STRENGTH</b>                              | 30 kV/mm, according to IEC 60243-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>DEGREE OF PROTECTION (FRONT SIDE)</b>                | IP65                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>TEMPERATURE RESISTANCE</b>                           | -40 - 80 °C (gasket)<br>-40 - 120 °C (enclosure)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>SUITABLE FOR</b>                                     | Emergency stop                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>FLAMMABILITY CHARACTERISTICS</b>                     | <p>960 °C/1 mm thickness (base, cover; glow wire to VDE 0471 Part 2)</p> <p>650 °C/1 mm thick (push-through membrane and seal material) to VDE 0471 Part 2)</p>                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>KNOCKOUTS</b>                                        | <p>Push-through cable entry diaphragm</p> <p>Metric cable entry knockouts at the top, bottom and back plate</p>                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>IMPACT RESISTANCE</b>                                | IK04 (according to EN 50102)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>RADIATED HEAT DISSIPATION WITH SEPARATE MOUNTING</b> | 10 W (at an ambient temperature of 20 °C)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>SURFACE TREATMENT</b>                                | Resistant to corrosion                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>TRACK RESISTANCE</b>                                 | CTI 175 (base, to IEC 60112)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

|                          |                                     |
|--------------------------|-------------------------------------|
|                          | CTI 175 (cover, to IEC 60112)       |
| <b>WATER CONSUMPTION</b> | 0.29 % (According to DIN EN ISO 62) |

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|------------------------|
| <b>PROJECT NAME:</b>   |
| <b>PROJECT NUMBER:</b> |
| <b>PREPARED BY:</b>    |
| <b>DATE:</b>           |



**Eaton Corporation plc** Eaton House  
30 Pembroke Road  
Dublin 4, Ireland  
Eaton.com

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