

# Specifications



## Eaton 229308

Eaton Moeller® series CI-K Insulated enclosure, HxWxD=160x100x145mm, +component adapter DILE+ZE CI-K2H-145-AD

### General specifications

|                             |                                                                                         |
|-----------------------------|-----------------------------------------------------------------------------------------|
| <b>PRODUCT NAME</b>         | Eaton Moeller® series CI-K Insulated enclosure                                          |
| <b>CATALOG NUMBER</b>       | 229308                                                                                  |
| <b>MODEL CODE</b>           | CI-K2H-145-AD                                                                           |
| <b>EAN</b>                  | 4015082293086                                                                           |
| <b>PRODUCT LENGTH/DEPTH</b> | 145 mm                                                                                  |
| <b>PRODUCT HEIGHT</b>       | 180 mm                                                                                  |
| <b>PRODUCT WIDTH</b>        | 100 mm                                                                                  |
| <b>PRODUCT WEIGHT</b>       | 0.46 kg                                                                                 |
| <b>CERTIFICATIONS</b>       | UL94: HB<br>IEC 60068-2-11<br>IEC/EN 60529<br>UL94: VO/1.5 mm thickness<br>DIN EN 62208 |
| <b>CATALOG NOTES</b>        | Lamp indicator L-... can be mounted in base knock-out M20/M25                           |



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## Product specifications

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| <b>TYPE</b>                                                                             | Basic enclosure                                                                                                                  |
| <b>FEATURES</b>                                                                         | Halogen free<br>UV resistance beneath protective shield                                                                          |
| <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>                                                         | Meets the product standard's requirements.                                                                                       |
| <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 CREEPAGE DISTANCES</b>                                           | Meets the product standard's requirements.                                                                                       |

## Resources

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| <b>BROCHURES</b>                  | <a href="#">Brochure - CI-K small enclosures</a>                                                                                                                                                                                                                                           |
| <b>DECLARATIONS OF CONFORMITY</b> | <a href="#">eaton-insulated-enclosure-declaration-of-conformity-uk251038en.pdf</a><br><a href="#">eaton-insulated-enclosure-declaration-of-conformity-eu250555en.pdf</a>                                                                                                                   |
| <b>DRAWINGS</b>                   | <a href="#">eaton-insulated-boards-mounting-ci-k-insulated-enclosure-dimensions-006.eps</a><br><a href="#">eaton-small-enclosures-enclosure-ci-k-insulated-enclosure-dimensions-006.eps</a><br><a href="#">eaton-insulated-boards-mounting-ci-k-insulated-enclosure-dimensions-003.eps</a> |
| <b>ECAD MODEL</b>                 | <a href="#">DA-CE-ETN.CI-K2H-145-AD</a>                                                                                                                                                                                                                                                    |
| <b>INSTALLATION INSTRUCTIONS</b>  | <a href="#">IL01502081Z</a>                                                                                                                                                                                                                                                                |
| <b>MCAD MODEL</b>                 | <a href="#">DA-CS-ci k ad 2</a><br><a href="#">eaton-enclosures-mcad-drawings-ci-k-ad.dwg</a>                                                                                                                                                                                              |

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|----------------------------------------------------------------------|------------------------------------------------------------------------------------|
| <b>10.5 PROTECTION AGAINST ELECTRIC SHOCK</b>                        | Is the panel builder's responsibility.                                             |
| <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>                      | 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>                                                  | Adapter plate for contactors DILE motor-protective relay ZE<br>Control cable entry |
| <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>HEAT DISSIPATION CAPACITY PDISS</b>                               | 18.5 W                                                                             |
| <b>HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID</b>             | 0 W                                                                                |
| <b>MOUNTING DEPTH</b>                                                | 124 mm                                                                             |
| <b>MOUNTING WEIGHT CAPACITY - MAX</b>                                | 0.7 kg                                                                             |
| <b>RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)</b> | 0 A                                                                                |
| <b>STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS</b>            | 0 W                                                                                |

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| <b>PRODUCT CATEGORY</b>                  | Empty enclosures                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>ENCLOSURE COLOR</b>                   | Light gray, Operator (RAL 7035)<br>Light gray, Cover (RAL 7035)<br>Black (RAL 9005)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>ENVIRONMENTAL RESISTANCE</b>          | Resistant against benzene<br>Resistant against acids (< 10%)<br>Resistant against gasoline<br>Resistant against greases<br>Partly resistant to acids (> 10%)<br>Partly resistant to alcohol<br>Resistant against salt solutions<br>Chemical resistant (Base, Cover)<br>Resistant against alcohol<br>Not resistant to Mineral oil<br><br>Resistant against mineral oil<br>Partly resistant to greases<br>Chemical resistant (Push-through membrane (CI-K1/CI-K2) and sealing material)<br>Not resistant to benzene<br>Resistant against alkalis<br>Partly resistant to benzene<br><br>Not resistant to alkalis |
| <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 - 120 °C (enclosure)<br>-40 - 80 °C (gasket)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>SUITABLE FOR</b>                      | Emergency stop                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>FLAMMABILITY CHARACTERISTICS</b>      | 960 °C/1 mm thickness (base, cover; glow wire to VDE 0471 Part 2)<br>650 °C/1 mm thick (push-through membrane and seal material) to VDE 0471 Part 2)                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>KNOCKOUTS</b>                         | Hard knockout version<br>Metric cable entry<br>knockouts at the top,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

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|--------------------------------------------------|---------------------------------------------------------------|
|                                                  | bottom and back plate                                         |
| IMPACT RESISTANCE                                | IK06 (according to EN 50102)                                  |
| RADIATED HEAT DISSIPATION WITH SEPARATE MOUNTING | 18.5 W (at an ambient temperature of 20 °C)                   |
| SURFACE TREATMENT                                | Resistant to corrosion                                        |
| TRACK RESISTANCE                                 | CTI 175 (base, to IEC 60112)<br>CTI 175 (cover, to IEC 60112) |
| WATER CONSUMPTION                                | 0.29 % (According to DIN EN ISO 62)                           |

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