

Insulated enclosure, HxWxD=160x100x100mm, +mounting plate



Part no. CI-K2-100-M
206893
EL Number 4138006
(Norway)

| General specifications | | |
|-----------------------------------|--|---|
| Product name | | Eaton Moeller® series CI-K Insulated enclosure |
| Part no. | | CI-K2-100-M |
| EAN | | 4015082068936 |
| Product Length/Depth | | 181 millimetre |
| Product height | | 100 millimetre |
| Product width | | 100 millimetre |
| Product weight | | 0.498 kilogram |
| Certifications | | IEC 60068-2-11 DIN EN 62208 UL94: VO/1.5 mm thickness UL94: HB IEC/EN 60529 |
| Product Tradename | | CI-K |
| Product Type | | Insulated enclosure |
| Product Sub Type | | None |
| Catalog Notes | | Lamp indicator L... can be mounted in base knock-out M20/M25 |
| Features & Functions | | |
| Enclosure color | | Light gray, Cover (RAL 7035) Light gray, Operator (RAL 7035) Black (RAL 9005) |
| Enclosure material | | Plastic 1 Ω x 10 ¹³ (Surface resistance to IEC 60093) |
| Features | | Halogen free UV resistance beneath protective shield |
| Fitted with: | | Control cable entry Mounting plate |
| Knockouts | | Metric cable entry knockouts at the top, bottom and back plate Push-through cable entry diaphragm |
| General information | | |
| Cover material | | Glass-fiber reinforced polycarbonate |
| Degree of protection | | IP65 NEMA Other |
| Degree of protection (front side) | | IP65 |
| Dielectric strength | | 30 kV/mm, according to IEC 60243-1 |
| Flammability characteristics | | 960 °C/1 mm thickness (base, cover; glow wire to VDE 0471 Part 2) 650 °C/1 mm thick (push-through membrane and seal material) to VDE 0471 Part 2) |
| Model | | Surface mounting |
| Mounting depth | | 79 mm |
| Mounting weight capacity - max | | 0.7 kg |
| Product category | | Empty enclosures |
| Suitable for | | Emergency stop |
| Surface treatment | | Resistant to corrosion |
| Track resistance | | CTI 175 (base, to IEC 60112) CTI 175 (cover, to IEC 60112) |
| Type | | Basic enclosure |
| Water consumption | | 0.29 % (According to DIN EN ISO 62) |
| Ambient conditions, mechanical | | |
| Environmental resistance | | Resistant against alcohol Partly resistant to alcohol Not resistant to benzene Resistant against benzene Chemical resistant (Base, Cover) Not resistant to alkalis Chemical resistant (Push-through membrane (CI-K1/CI-K2) and sealing material) Resistant against mineral oil |

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| | | Resistant against alkalis Resistant against gasoline Resistant against salt solutions Resistant against acids (< 10%) Partly resistant to acids (> 10%) Partly resistant to benzene Resistant against greases Not resistant to Mineral oil Partly resistant to greases |
| Impact resistance | | IK06 (according to EN 50102) |
| Temperature resistance | | -40 - 120 °C (enclosure) -40 - 80 °C (gasket) |
| Climatic environmental conditions | | |
| Ambient operating temperature - min | | -25 °C |
| Ambient operating temperature - max | | 70 °C |
| Climatic proofing | | Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30 |
| Design verification | | |
| Equipment heat dissipation, current-dependent P _{vid} | | 0 W |
| Heat dissipation capacity P _{diss} | | 12.5 W |
| Heat dissipation per pole, current-dependent P _{vid} | | 0 W |
| Rated operational current for specified heat dissipation (I _n) | | 0 A |
| Static heat dissipation, non-current-dependent P _{vs} | | 0 W |
| Radiated heat dissipation with separate mounting | | 12.5 W (at an ambient temperature of 20 °C) |
| 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 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects | | Meets the product standard's requirements. |
| 10.2.4 Resistance to ultra-violet (UV) radiation | | Please enquire |
| 10.2.5 Lifting | | Not applicable. |
| 10.2.6 Mechanical impact | | Does not apply, since the entire switchgear needs to be evaluated. |
| 10.2.7 Inscriptions | | Meets the product standard's requirements. |
| 10.3 Degree of protection of assemblies | | Meets the product standard's requirements. |
| 10.4 Clearances and creepage distances | | Meets the product standard's requirements. |
| 10.5 Protection against electric shock | | Does not apply, since the entire switchgear needs to be evaluated. |
| 10.6 Incorporation of switching devices and components | | Does not apply, since the entire switchgear needs to be evaluated. |
| 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. |
| 10.9.2 Power-frequency electric strength | | Is the panel builder's responsibility. |
| 10.9.3 Impulse withstand voltage | | Is the panel builder's responsibility. |
| 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. The specifications for the switchgear must be observed. |
| 10.12 Electromagnetic compatibility | | Is the panel builder's responsibility. The specifications for the switchgear must be observed. |
| 10.13 Mechanical function | | The device meets the requirements, provided the information in the instruction leaflet (IL) is observed. |

Technical data ETIM 9.0

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| Low-voltage industrial components (EG000017) / Empty enclosure for switchgear (EC000712) | | | |
| Electric engineering, automation, process control engineering / Low-voltage switch technology / Component for low-voltage switching technology / Empty housing for switch devices (ecl@ss13-27-37-13-01 [AKN343019]) | | | |
| Housing material | | | Plastic |
| Width | mm | | 100 |
| Height | mm | | 100 |
| Depth | mm | | 181 |
| With transparent cover | | | No |
| Suitable for emergency stop | | | Yes |
| Model | | | Surface mounting |

| | | | |
|-----------------------------|--|--|-------|
| Degree of protection (IP) | | | IP65 |
| Degree of protection (NEMA) | | | Other |