

Insulated enclosure, HxWxD=280x200x160mm, +mounting plate



Part no. CI-K5-160-M
206900
EL Number 4138013
(Norway)

| General specifications | |
|-----------------------------------|---|
| Product name | Eaton Moeller® series CI-K Insulated enclosure |
| Part no. | CI-K5-160-M |
| EAN | 4015082069001 |
| Product Length/Depth | 280 millimetre |
| Product height | 125 millimetre |
| Product width | 200 millimetre |
| Product weight | 1.47 kilogram |
| Certifications | IEC/EN 60529 UL94: HB IEC 60068-2-11 DIN EN 62208 UL94: VO/1.5 mm thickness |
| 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) Black (RAL 9005) Light gray, Operator (RAL 7035) |
| Enclosure material | 1 Ω x 10 ¹³ (Surface resistance to IEC 60093) Plastic |
| Features | UV resistance beneath protective shield Halogen free |
| Fitted with: | Control cable entry DIN-rail Weight of fitted components: max. 1.7 kg |
| Knockouts | Hard knockout version Metric cable entry knockouts at the top, bottom and back plate |
| 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) to VDE 0471 Part 2) |
| Model | Surface mounting |
| Mounting depth | 133 mm |
| Mounting weight capacity - max | 1 kg |
| Product category | Empty enclosures |
| Suitable for | Emergency stop |
| Surface treatment | Resistant to corrosion |
| Track resistance | CTI 175 (cover, to IEC 60112) CTI 175 (base, to IEC 60112) |
| Type | Basic enclosure |
| Water consumption | 0.29 % (According to DIN EN ISO 62) |
| Ambient conditions, mechanical | |
| Environmental resistance | Partly resistant to greases Chemical resistant (Base, Cover) Not resistant to alkalis Chemical resistant (Push-through membrane (CI-K1/CI-K2) and sealing material) Partly resistant to acids (> 10%) Partly resistant to benzene Resistant against acids (< 10%) |

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|--|--|--|--|
| | | | Not resistant to Mineral oil Resistant against benzene Partly resistant to alcohol Not resistant to benzene Resistant against alcohol Resistant against alkalis Resistant against gasoline Resistant against salt solutions Resistant against greases Resistant against mineral oil |
| Impact resistance | | | IK06 (according to EN 50102) |
| Temperature resistance | | | -40 - 80 °C (gasket) -40 - 120 °C (enclosure) |
| Climatic environmental conditions | | | |
| Ambient operating temperature - min | | | -25 °C |
| Ambient operating temperature - max | | | 70 °C |
| Climatic proofing | | | Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78 |
| Design verification | | | |
| Equipment heat dissipation, current-dependent P _{vid} | | | 0 W |
| Heat dissipation capacity P _{diss} | | | 41 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 | | | 41 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

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 (ec1@ss13-27-37-13-01 [AKN343019])

| | | | |
|-----------------------------|--|----|------------------|
| Housing material | | | Plastic |
| Width | | mm | 200 |
| Height | | mm | 125 |
| Depth | | mm | 280 |
| With transparent cover | | | No |
| Suitable for emergency stop | | | Yes |
| Model | | | Surface mounting |

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