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Powering Business Worldwide

CI-K5-125-M- Insulated enclosure, HxWxD=280x200x125mm, +mounting plate



206899 CI-K5-125-M

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## 206899 CI-K5-125-M

Insulated enclosure, HxWxD=280x200x125mm, +mounting plate  
EL-Nummer (Norway) 4138012

Insulated enclosure, with DIN-rail, (weight of fitted components max. 1.7 kg), Product range: CI-K small enclosures, Basic enclosures, Single unit, Degree of Protection: Front IP65, IP65, with push-through cable entry, Material: Glass-fibre reinforced polycarbonate, Colour: Enclosure base RAL 9005, black, Operator only RAL 7035, light gray, Description: Metric cable entry knockouts top, bottom and in the back plate, Control cable entry, Lamp indicator L-... can be mounted in base knock-out M20/M25, Cable entry: hard knockout version, Dimensions Width: 200 mm, Height: 280 mm, Depth: 125 mm, Mounting depth with mounting plate: 98 mm, Standards: IEC/EN 60529, DIN EN 62208

- [Delivery program](#)
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- [Design verification as per IEC/EN 61439](#)
- [Technical data ETIM 7.0](#)
- [Dimensions](#)

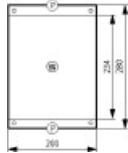
### Delivery program

Product range  
CI-K small enclosures  
Basic function  
Basic enclosures  
Product function  
CI-K empty enclosures  
Single unit/Complete unit  
Single unit  
Degree of Protection  
Front IP65  
IP65, with push-through cable entry  
Degree of Protection  
Front IP65  
IP65, with push-through cable entry  
Material  
Glass-fibre reinforced polycarbonate  
Colour  
Enclosure base RAL 9005, black  
Operator only RAL 7035, light gray  
Description  
Metric cable entry knockouts top, bottom and in the back plate  
Control cable entry  
Lamp indicator L-... can be mounted in base knock-out M20/M25

Cable entry  
hard knockout version  
Dimensions

Width  
200 mm  
Height  
280 mm  
Depth  
125 mm

Dimensions



Enclosure depth

Legend for the graphic

Dimensions from top:

Mounting depth with mounting plate

Mounting depth for mounting rail 7.5 mm height

Mounting depth for mounting rail 15 mm height

Enclosure depth



Mounting depth with mounting plate


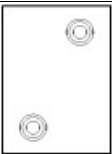
98 mm

Features

with DIN-rail

(weight of fitted components max. 1.7 kg)

#### Notes

<b>P</b>

Knockouts
2 x M50/40/25
1 x M20
<b>W</b>

Back plate:
2 x M50/40/25

## Technical data

General

Standards

IEC/EN 60529

DIN EN 62208

Climatic proofing

Damp heat, constant, to IEC 60068-2-78

Damp heat, cyclic, to IEC 60068-2-30

Ambient temperature

-25 - +70

-25 - +40 (with push-through cable entry) °C

Degree of Protection

Front IP65

IP65, with push-through cable entry

Power loss Max. radiated heat dissipation with separate mounting, ambient air temperature +20 °C

35 W

Material characteristics

MaterialBase  
 Glass-fibre reinforced polycarbonate  
 MaterialCover  
 Glass-fibre reinforced polycarbonate  
 Surface treatment  
 Resistant to corrosion  
 ColourBase  
 RAL 9005, black (matt)  
 ColourHousing body  
 Enclosure cover RAL 7035, light grey (matt)  
 Material properties  
 ElectricalTrack resistance  
 CTI 175 (base, to IEC 60112)  
 CTI 175 (cover, to IEC 60112)  
 ElectricalSurface resistance to IEC 60093  
 $1 \Omega \times 10^{13}$   
 ElectricalDielectric strength to IEC 60243-1  
 30 kV/mm  
 ThermalTemperature resistant  
 -40 °C - 120 °C (enclosure)  
 -40 °C - +80 °C (gasket)  
 MechanicalImpact resistance  
 IK06 according to EN 50102  
 Mechanicalmax. assembly weightsMbunting plate  
 1 kg  
 Mechanicalmax. assembly weightsMbunting rail  
 1 kg  
 Chemical resistanceChemical resistant  
 Base, Cover  
 Resistant against: Acids < 10 %, mineral oil, alcohol, gasoline, greases, salt solutions  
 Partly resistant to: Acids > 10 %, alcohol  
 Not resistant to: alkalis, benzene  
 Push-through membrane (Cl-K1/Cl-K2) and sealing material  
 Resistant against: Acids < 10 %, alkalis, benzene, salt solutions  
 Partly resistant to: Acids > 10 %, greases, benzene  
 Not resistant to: Mineral oil, benzene  
 AtmosphericSaline spray  
 IEC 60068-2-11  
 AtmosphericUV resistance  
 Beneath protective shield  
 AtmosphericWater consumption to DIN EN ISO 62  
 0.29 %  
 Flammability characteristicsGlow wire testFlammability characteristics  
 960 °C/1mm thickness (base, cover; glow wire to VDE 0471 Part 2)  
 650 °C/1mm thick (push-through membrane) to VDE 0471 Part 2)  
 Flammability characteristicsGlow wire testto UL 94  
 V0/1.5 mm thickness  
 Flammability characteristicsGlow wire testto UL 94  
 HB  
 Flammability characteristicsHalogen free  
 Yes

## Design verification as per IEC/EN 61439

Technical data for design verification  
 Rated operational current for specified heat dissipation [ $I_r$ ]  
 0 A  
 Heat dissipation per pole, current-dependent [ $P_{vid}$ ]  
 0 W  
 Equipment heat dissipation, current-dependent [ $P_{vid}$ ]  
 0 W  
 Static heat dissipation, non-current-dependent [ $P_{vs}$ ]  
 0 W  
 Heat dissipation capacity [ $P_{diss}$ ]  
 35 W  
 Operating ambient temperature min.  
 -25 °C  
 Operating ambient temperature max.  
 +70 °C

Degree of Protection  
Front IP65  
IP65, with push-through cable entry  
Max. radiated heat dissipation with separate mounting, ambient air temperature +20 °C  
35 W  
Flammability characteristics  
960 °C/1mm thickness (base, cover; glow wire to VDE 0471 Part 2)  
650 °C/1mm thick (push-through membrane) to VDE 0471 Part 2)  
Track resistance  
CTI 175 (base, to IEC 60112)  
CTI 175 (cover, to IEC 60112)  
Surface treatment  
Resistant to corrosion  
Impact resistance  
IK06 according to EN 50102  
Temperature resistant  
-40 °C - 120 °C (enclosure)  
-40 °C - +80 °C (gasket)  
UV resistance  
Beneath protective shield  
IEC/EN 61439 design verification  
10.2 Strength of materials and parts 10.2.2 Corrosion resistance  
Meets the product standard's requirements.  
10.2 Strength of materials and parts 10.2.3.1 Verification of thermal stability of enclosures  
Meets the product standard's requirements.  
10.2 Strength of materials and parts 10.2.3.2 Verification of resistance of insulating materials to normal heat  
Meets the product standard's requirements.  
10.2 Strength of materials and parts 10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects  
Meets the product standard's requirements.  
10.2 Strength of materials and parts 10.2.4 Resistance to ultra-violet (UV) radiation  
Please enquire  
10.2 Strength of materials and parts 10.2.5 Lifting  
Not applicable.  
10.2 Strength of materials and parts 10.2.6 Mechanical impact  
Does not apply, since the entire switchgear needs to be evaluated.  
10.2 Strength of materials and parts 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 Insulation properties 10.9.2 Power-frequency electric strength  
Is the panel builder's responsibility.  
10.9 Insulation properties 10.9.3 Impulse withstand voltage  
Is the panel builder's responsibility.  
10.9 Insulation properties 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 7.0

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@ss10.0.1-27-37-13-01 [AKN343014])

Material housing

Plastic

Width

200 mm

Height

280 mm

Depth

125 mm

With transparent cover

No

Suitable for emergency stop

Yes

Model

Surface mounting

Degree of protection (IP)

IP65

Degree of protection (NEMA)

Other

## Dimensions



## CAD data

- [Product-specific CAD data](#)  
(Web)
- [3D Preview](#)  
(Web)

## DWG files

- [DA-CD-cj\\_k5\\_m](#)  
File  
(Web)

## edz files

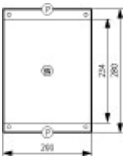
- [DA-CE-ETN.C-K5-125-M](#)  
File  
(Web)

## Step files

- [DA-CS-cj\\_k\\_m\\_9](#)  
File  
(Web)

## Dimensions single product

- [321X009](#)  
Line drawing  
Basic enclosure



- [461ND13](#)  
Line drawing  
Basic enclosures



461N014  
Line drawing  
Mounting depth

## Product photo



1150PIC-1429  
Photo

## Instruction Leaflet

- [Insulated small enclosures \(IL01502081Z\)](#)  
Asset  
(PDF, multilingual)

## Declaration of Conformity

### UK

- [CE-K General Purpose Enclosures \(DA-DC-00004028\)](#)  
Asset  
(PDF)

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