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Worldwide English



CI-K2H-100-M - Insulated enclosure, HxWxD=160x100x100mm, +mounting plate



229306 CI-K2H-100-M

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229306 CI-K2H-100-M

Insulated enclosure, HxWxD=160x100x100mm, +mounting plate

EL-Nummer (Norway)

0004138017

Insulated enclosure, With mounting plate, 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: 100 mm, Height: 160 mm, Depth: 100 mm, Mounting depth with mounting plate: 79 mm, Standards: IEC/EN 60529, DIN EN 62208

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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

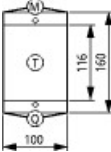
Cable entry

hard knockout version

Dimensions

Width
100 mm
Height
160 mm
Depth
100 mm

Dimensions

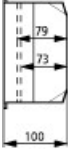


Enclosure depth

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
79 mm

Features

With mounting plate

Notes

M	q
Knockouts	Knockouts
2 X M25 or push-through membrane up to max. □ 16 mm	2 x M25 or push-through membrane up to a max. diameter of 16 mm and 1 push-through membrane up to a max. diameter of 8 mm
T	
□	
Back plate:	
2 x push-through membrane up to max. □ 11mm	
(not for Cl-K2H)	

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 lossMax. radiated heat dissipation with separate mounting, ambient air temperature +20 °C
12.5 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 weightsMounting plate
 0.7 kg
 Mechanicalmax. assembly weightsMounting rail
 0.7 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 and seal material) 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_n]
 0 A
 Heat dissipation per pole, current-dependent [P_{id}]
 0 W
 Equipment heat dissipation, current-dependent [P_{id}]
 0 W
 Static heat dissipation, non-current-dependent [P_{vs}]
 0 W
 Heat dissipation capacity [P_{diss}]
 12.5 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

12.5 W

Flammability characteristics

960 °C/1mm thickness (base, cover; glow wire to VDE 0471 Part 2)

650 °C/1mm thick (push-through membrane and seal material) 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

Meets the product standard's requirements.

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

Is the panel builder's responsibility.

10.6 Incorporation of switching devices and components

Is the panel builder's responsibility.

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

Material housing

Plastic

Width
100 mm
Height
160 mm
Depth
100 mm
With transparent cover
No
Suitable for emergency stop
Yes
Model
Surface mounting
Degree of protection (IP)
IP65
Degree of protection (NEVA)
Other

Dimensions



CAD data

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

DWG files

- [DA-CD-ci_k2_m](#)
File
(Web)


edz files

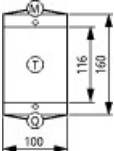
- [DA-CE-ETN.CI-K2H-100-M](#)
File
(Web)

Step files

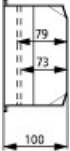
- [DA-CS-ci_k_m_2](#)
File
(Web)

Dimensions single product

-  [321X001](#)
Line drawing
Basic enclosure



- [461N004](#)
Line drawing
Mounting depth



- [461N005](#)
Line drawing
Mounting depth

Product photo

- 
1150PIC-1411
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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