Specifications

Eaton 229307



Catalog Number: 229307

Eaton Moeller® series CI-K Insulated enclosure, HxWxD=160x100x145mm, +mounting plate CI-K2H-145-M

General specifications

Product Name
Eaton Moeller® series CI-K Insulated enclosure

Catalog Number
229307

EAN
4015082293079

Product Length/Depth
181 mm

Product Height
145 mm

Product Width
100 mm

Product Weight
0.553 kg

Certifications
UL94: VO/1.5 mm thickness
UL94: HB
DIN EN 62208
IEC/EN 60529
IEC 60068-2-11

Catalog Notes
Lamp indicator L-... can be mounted in base knock-out M20/M25

Powering Business Worldwide

Product specifications

Type

Basic enclosure

Features

UV resistance beneath protective shield

Halogen free

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.

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

Meets the product standard's requirements.

10.2.7 Inscriptions

Meets the product standard's requirements.

10.3 Degree of protection of assemblies

Meets the product standard's requirements.

Resources

Declarations of conformity

UKCA CI-K..-TS/M general purpose enclosures

CE CI-K..-TS/M general purpose enclosures

Drawings

eaton-insulated-boards-mounting-ci-k-insulated-enclosure-dimensions-003.eps

eaton-small-enclosures-enclosure-ci-k-insulated-enclosure-dimensions-006.eps

eaton-insulated-boards-mounting-ci-k-insulated-enclosure-dimensions-006.eps

eCAD model

DA-CE-ETN.CI-K2H-145-M

Installation instructions

IL01502081Z

mCAD model

DA-CD-ci_k2_m

DA-CS-ci_k_m_4

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.

10.9.2 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.

Fitted with:

Control cable entry

Mounting plate

Climatic proofing

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

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

Enclosure material

Plastic

1 Ω x 10^{13} (Surface resistance to IEC 60093)

Ambient operating temperature - max

70 °C

Ambient operating temperature - min

-25 °C

Equipment heat dissipation, current-dependent Pvid

0 W

Heat dissipation capacity Pdiss

18.5 W

Heat dissipation per pole, current-dependent Pvid

0 W

Mounting depth

124 mm

Mounting weight capacity - max

0.7 kg

Rated operational current for specified heat dissipation (In)

0 A

Static heat dissipation, non-current-dependent Pvs

0 W

Product category

Empty enclosures

Enclosure color

Light gray, Cover (RAL 7035)
Black (RAL 9005)
Light gray, Operator (RAL 7035)

Environmental resistance

Resistant against mineral oil
Resistant against acids (< 10%)
Partly resistant to acids (> 10%)
Not resistant to benzene
Resistant against greases
Not resistant to Mineral oil
Partly resistant to benzene
Chemical resistant (Base, Cover)
Partly resistant to alcohol
Resistant against benzene
Chemical resistant (Push-through membrane (CI-K1/CI-K2) and sealing material)
Resistant against alkalis
Partly resistant to greases
Resistant against alcohol
Resistant against gasoline
Resistant against salt solutions
Not resistant to alkalis

Cover material

Glass-fiber reinforced polycarbonate

Degree of protection

IP65
NEMA Other

Model

Surface mounting

Dielectric strength

30 kV/mm, according to IEC 60243-1

Degree of protection (front side)

IP65

Temperature resistance

-40 - 80 °C (gasket)

-40 - 120 °C (enclosure)

Suitable for

Emergency stop

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)

Knockouts

Hard knockout version

Metric cable entry knockouts at the top, 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)

CTI 175 (cover, to IEC 60112)

Water consumption

0.29 % (According to DIN EN ISO 62)

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