Specifications

Eaton 206882

Catalog Number: 206882

Eaton Moeller® series CI-K Insulated enclosure, HxWxD=160x100x100mm, +mounting rail CI-K2-100-TS



General specifications

Product Name
Eaton Moeller® series CI-K Insulated enclosure

Catalog Number
206882

EAN
4015082068820

Product Length/Depth
181 mm

Product Height
100 mm

Product Width
100 mm

Product Weight
0.345 kg

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

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

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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

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

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-005.eps

eaton-insulated-boards-mounting-ci-k-insulated-enclosure-dimensions-004.eps

eCAD model

ETN.CI-K2-100-TS

Installation instructions

IL01502081Z

mCAD model

DA-CD-ci_k2_ts

ci_k_ts_3

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.

Fitted with:

Mounting rail to IEC/EN 60715
Control cable entry

Climatic proofing

Damp heat, constant, to IEC 60068-2-78
Damp heat, cyclic, to IEC 60068-2-30

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

12.5 W

Heat dissipation per pole, current-dependent Pvid

0 W

Mounting depth

73 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)
Light gray, Operator (RAL 7035)
Black (RAL 9005)

Environmental resistance

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

650 °C/1 mm thick (push-through membrane and seal material) to VDE 0471 Part 2)

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

Knockouts

Push-through cable entry diaphragm

Metric cable entry knockouts at the top, bottom and back plate

Impact resistance

IK06 (according to EN 50102)

Radiated heat dissipation with separate mounting

12.5 W (at an ambient temperature of 20 °C)

Surface treatment

Resistant to corrosion

Track resistance

CTI 175 (cover, to IEC 60112)

CTI 175 (base, to IEC 60112)

Water consumption

0.29 % (According to DIN EN ISO 62)

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