Specifications

Eaton 206894

Catalog Number: 206894

Eaton Moeller® series CI-K Insulated enclosure, HxWxD=160x100x145mm, +mounting plate CI-K2-145-M



General specifications

Product Name
Eaton Moeller® series CI-K Insulated enclosure

Catalog Number
206894

EAN
4015082068943

Product Length/Depth
181 mm

Product Height
145 mm

Product Width
100 mm

Product Weight
0.56 kg

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

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

Powering Business Worldwide

Product specifications

Type

Basic enclosure

Features

Halogen free

UV resistance beneath protective shield

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

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

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

Drawings

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

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

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

eCAD model

ETN.CI-K2-145-M.edz

Installation instructions

IL01502081Z

mCAD model

DA-CD-ci_k2_m

ci_k_m_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 plate
Control cable entry

Climatic proofing

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

Enclosure material

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

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

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

Environmental resistance

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

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 - 120 °C (enclosure)

-40 - 80 °C (gasket)

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

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

18.5 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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