Specifications

Eaton 105853



Catalog Number: 105853

Eaton Moeller® series CI-K Insulated enclosure, HxWxD=120x80x95mm, +mounting rail CI-K1H-95-TS

General specifications

Product Name
Eaton Moeller® series CI-K Insulated enclosure

Catalog Number
105853

EAN
4015081056309

Product Length/Depth
137 mm

Product Height
95 mm

Product Width
80 mm

Product Weight
0.169 kg

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

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

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-insulated-boards-mounting-ci-k-insulated-enclosure-dimensions-002.eps

eaton-insulated-boards-enclosure-ci-k-insulated-enclosure-dimensions-002.eps

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

eaton-small-enclosures-device-ci-k-insulated-enclosure-3d-drawing.eps

eCAD model

ETN.CI-K1H-95-TS

Installation instructions

IL01502081Z

mCAD model

ci_k_ts_2

DA-CD-ci_k1_ts

Does not apply, since the entire switchgear needs to be evaluated.

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

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

Mounting depth

72 mm

Mounting weight capacity - max

0.5 kg

Product category

Enclosure color

Empty enclosures

Small enclosures

Light gray, Operator (RAL 7035)

Light gray, Cover (RAL 7035)

Black (RAL 9005)

Environmental resistance

Partly resistant to alcohol

Not resistant to Mineral oil

Resistant against alkalis

Not resistant to alkalis

Not resistant to benzene

Resistant against alcohol

Resistant against salt solutions

Partly resistant to greases

Resistant against gasoline

Partly resistant to acids (> 10%)

Partly resistant to benzene

Resistant against greases

Chemical resistant (Base, Cover)

Resistant against acids (< 10%)

Resistant against mineral oil

Resistant against benzene

Chemical resistant (Push-through membrane (CI-K1/CI-K2) and sealing material)

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)

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

IK04 (according to EN 50102)

Radiated heat dissipation with separate mounting

10 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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