

Specifications



Eaton 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
MODEL CODE	CI-K2H-145-M
EAN	4015082293079
PRODUCT LENGTH/DEPTH	145 mm
PRODUCT HEIGHT	180 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.
10.4 CLEARANCES AND CREEPAGE DISTANCES	Meets the product standard's requirements.

Resources

BROCHURES	Brochure - CI-K small enclosures
DECLARATIONS OF CONFORMITY	eaton-insulated-enclosure-declaration-of-conformity-uk251038en.pdf eaton-insulated-enclosure-declaration-of-conformity-eu250555en.pdf
DRAWINGS	eaton-insulated-boards-mounting-ci-k-insulated-enclosure-dimensions-006.eps eaton-insulated-boards-mounting-ci-k-insulated-enclosure-dimensions-003.eps eaton-small-enclosures-enclosure-ci-k-insulated-enclosure-dimensions-006.eps
ECAD MODEL	DA-CE-ETN.CI-K2H-145-M
INSTALLATION INSTRUCTIONS	IL01502081Z
MCAD MODEL	DA-CS-ci k m 4 eaton-enclosures-mcad-drawings-ci-k2-m.dwg

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 $1 \Omega \times 10^{13}$ (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)

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
DATE:



Eaton Corporation plc Eaton House
30 Pembroke Road
Dublin 4, Ireland
Eaton.com

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