Specifications



Eaton 206890

Eaton Moeller® series CI-K Insulated enclosure, HxWxD=240x160x160mm, +mounting rail

General specifications	
PRODUCT NAME	Eaton Moeller® series CI-K Insulated enclosure
CATALOG NUMBER	206890
MODEL CODE	CI-K4-160-TS
EAN	4015082068905
PRODUCT LENGTH/DEPTH	160 mm
PRODUCT HEIGHT	240 mm
PRODUCT WIDTH	160 mm
PRODUCT WEIGHT	0.93 kg
CERTIFICATIONS	UL94: HB IEC/EN 60529 UL94: VO/1.5 mm thickness IEC 60068-2-11 DIN EN 62208
CATALOG NOTES	Lamp indicator L-... can be mounted in base knock-out M20/M25

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	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.

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-009.eps eaton-insulated-boards-enclosure-ci-k-insulated-enclosure-dimensions-004.eps eaton-insulated-boards-mounting-ci-k-insulated-enclosure-dimensions-011.eps
ECAD MODEL	ETN.CI-K4-160-TS
INSTALLATION INSTRUCTIONS	IL01502081Z
MCAD MODEL	ci_k_ts_10 eaton-enclosures-mcad-drawings-ci-k4-ts.dwg

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, 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	29.5 W
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID	0 W
MOUNTING DEPTH	128 mm
MOUNTING WEIGHT CAPACITY - MAX	0.9 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 benzene Partly resistant to benzene Resistant against greases Resistant against mineral oil Resistant against gasoline Resistant against acids (< 10%) Not resistant to alkalis Resistant against alkalis

	Resistant against alcohol Chemical resistant (Base, Cover) Partly resistant to greases Resistant against benzene Partly resistant to acids (> 10%) Partly resistant to alcohol Resistant against salt solutions Not resistant to Mineral oil
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	650 °C/1 mm thick (push-through membrane) to VDE 0471 Part 2) 960 °C/1 mm thickness (base, cover; glow wire to VDE 0471 Part 2)
KNOCKOUTS	Metric cable entry knockouts at the top, bottom and back plate Hard knockout version
IMPACT RESISTANCE	IK06 (according to EN 50102)
RADIATED HEAT DISSIPATION WITH SEPARATE MOUNTING	29.5 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)

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
DATE:	

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