

Insulated enclosure, HxWxD=160x100x145mm, +mounting plate



Part no. CI-K2-145-M
206894
EL Number 4138007
(Norway)

General specifications		
Product name		Eaton Moeller® series CI-K Insulated enclosure
Part no.		CI-K2-145-M
EAN		4015082068943
Product Length/Depth		181 millimetre
Product height		145 millimetre
Product width		100 millimetre
Product weight		0.56 kilogram
Certifications		DIN EN 62208 IEC/EN 60529 IEC 60068-2-11 UL94: VO/1.5 mm thickness UL94: HB
Product Tradename		CI-K
Product Type		Insulated enclosure
Product Sub Type		None
Catalog Notes		Lamp indicator L... can be mounted in base knock-out M20/M25
Features & Functions		
Enclosure color		Black (RAL 9005) Light gray, Operator (RAL 7035) Light gray, Cover (RAL 7035)
Enclosure material		1 Ω x 10 ¹³ (Surface resistance to IEC 60093) Plastic
Features		Halogen free UV resistance beneath protective shield
Fitted with:		Mounting plate Control cable entry
Knockouts		Push-through cable entry diaphragm Metric cable entry knockouts at the top, bottom and back plate
General information		
Cover material		Glass-fiber reinforced polycarbonate
Degree of protection		IP65 NEMA Other
Degree of protection (front side)		IP65
Dielectric strength		30 kV/mm, according to IEC 60243-1
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)
Model		Surface mounting
Mounting depth		124 mm
Mounting weight capacity - max		0.7 kg
Product category		Empty enclosures
Suitable for		Emergency stop
Surface treatment		Resistant to corrosion
Track resistance		CTI 175 (cover, to IEC 60112) CTI 175 (base, to IEC 60112)
Type		Basic enclosure
Water consumption		0.29 % (According to DIN EN ISO 62)
Ambient conditions, mechanical		
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)
Impact resistance		IK06 (according to EN 50102)
Temperature resistance		-40 - 120 °C (enclosure) -40 - 80 °C (gasket)
Climatic environmental conditions		
Ambient operating temperature - min		-25 °C
Ambient operating temperature - max		70 °C
Climatic proofing		Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78
Design verification		
Equipment heat dissipation, current-dependent P _{vid}		0 W
Heat dissipation capacity P _{diss}		18.5 W
Heat dissipation per pole, current-dependent P _{vid}		0 W
Rated operational current for specified heat dissipation (I _n)		0 A
Static heat dissipation, non-current-dependent P _{vs}		0 W
Radiated heat dissipation with separate mounting		18.5 W (at an ambient temperature of 20 °C)
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.
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.
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.

Technical data ETIM 9.0

Low-voltage industrial components (EG000017) / Empty enclosure for switchgear (EC000712)			
Electric engineering, automation, process control engineering / Low-voltage switch technology / Component for low-voltage switching technology / Empty housing for switch devices (ecl@ss13-27-37-13-01 [AKN343019])			
Housing material			Plastic
Width	mm		100
Height	mm		145
Depth	mm		181
With transparent cover			No
Suitable for emergency stop			Yes
Model			Surface mounting

Degree of protection (IP)			IP65
Degree of protection (NEMA)			Other