

Insulated enclosure, HxWxD=240x160x160mm, +mounting rail



Part no. CI-K4-160-TS
206890
EL Number 4132091
(Norway)

General specifications		
Product name		Eaton Moeller® series CI-K Insulated enclosure
Part no.		CI-K4-160-TS
EAN		4015082068905
Product Length/Depth		240 millimetre
Product height		160 millimetre
Product width		160 millimetre
Product weight		0.93 kilogram
Certifications		UL94: HB DIN EN 62208 IEC/EN 60529 UL94: V0/1.5 mm thickness IEC 60068-2-11
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		Light gray, Cover (RAL 7035) Light gray, Operator (RAL 7035) Black (RAL 9005)
Enclosure material		Plastic 1 Ω x 10 ¹³ (Surface resistance to IEC 60093)
Features		Halogen free UV resistance beneath protective shield
Fitted with:		Mounting rail to IEC/EN 60715 Control cable entry
Knockouts		Metric cable entry knockouts at the top, bottom and back plate Hard knockout version
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		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)
Model		Surface mounting
Mounting depth		128 mm
Mounting weight capacity - max		0.9 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		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
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}		29.5 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		29.5 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		160
Height	mm		160
Depth	mm		240
With transparent cover			No
Suitable for emergency stop			Yes
Model			Surface mounting

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