DATASHEET - CI-K2-145-TS

Insulated enclosure, HxWxD=160x100x145mm, +mounting rail

Eaton — Powering Business Worldwide™

Part no.	**CI-K2-145-TS**
	206883
EL Number (Norway)	**4138002**

General specifications

Product name	Eaton Moeller® series CI-K Insulated enclosure
Part no.	CI-K2-145-TS
EAN	4015082068837
Product Length/Depth	181 millimetre
Product height	145 millimetre
Product width	100 millimetre
Product weight	0.495 kilogram
Certifications	UL94: HB IEC 60068-2-11 UL94: VO/1.5 mm thickness IEC/EN 60529 DIN EN 62208
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) Black (RAL 9005) Light gray, Operator (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:	Control cable entry Mounting rail to IEC/EN 60715
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
Model	Surface mounting
Mounting depth	118 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 (base, to IEC 60112) CTI 175 (cover, to IEC 60112)
Type	Basic enclosure
Water consumption	0.29 % (According to DIN EN ISO 62)

Ambient conditions, mechanical

Environmental resistance	Resistant against gasoline Chemical resistant (Base, Cover) Not resistant to alkalis Resistant against salt solutions Not resistant to Mineral oil Resistant against benzene Chemical resistant (Push-through membrane (CI-K1/CI-K2) and sealing material) Resistant against mineral oil Partly resistant to benzene Resistant against acids (< 10%) Partly resistant to acids (> 10%)

			Resistant against alkalis Not resistant to benzene Resistant against alcohol Partly resistant to alcohol Partly resistant to greases Resistant against greases
Temperature resistance			-40 - 80 °C (gasket) -40 - 120 °C (enclosure)
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 Pvid			0 W
Heat dissipation capacity Pdiss			18.5 W
Heat dissipation per pole, current-dependent Pvid			0 W
Rated operational current for specified heat dissipation (In)			0 A
Static heat dissipation, non-current-dependent Pvs			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

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