DATASHEET - CI-K2-145-TS

Insulated enclosure, HxWxD=160x100x145mm, +mounting rail



	Part no. EL Number (Norway)	CI-K2-145-TS 206883 4138002	Powering Business Worldwic
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			СІ-К
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
eneral 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) Basic enclosure
Type Water consumption			0.29 % (According to DIN EN ISO 62)
Miter consumption	abaniaal		
Environmental resistance	unanua		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