DATASHEET - CI-K4X-160-M-NA

Insulated enclosure, HxWxD=240x160x160mm, +mounting plate, NA type

Part no. CI-K4X-160-M-NA
Catalog No. 231233

Powering Business Worldwide™

Delivery program

Product range			CI-K small enclosures
Basic function			Basic enclosures
Product function			Basic enclosures for North America
Single unit/Complete unit			Single unit
Degree of Protection			Front IP65 IP65, with push-through cable entry
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Description			Approved for UL, CSA smooth all round with mit sharp corners Enclosure base RAL 9005, black Operator only RAL 7035, light gray
Dimensions			
Width		mm	160
Height		mm	240
Depth		mm	160
Features			With mounting plate
Mounting depth:		mm	133

Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	I_n	A	0
Heat dissipation per pole, current-dependent	P_{vid}	W	0
Equipment heat dissipation, current-dependent	P_{vid}	W	0
Static heat dissipation, non-current-dependent	P_{vs}	W	0
Heat dissipation capacity	P_{diss}	W	29.5
Operating ambient temperature min.		°C	-25
Operating ambient temperature max.		°C	70
Degree of Protection			Front IP65 IP65, with push-through cable entry
Surface treatment			Resistant to corrosion
Temperature resistant			-40 °C - 120 °C (enclosure) -40 °C - +80 °C (gasket)
IEC/EN 61439 design verification			
10.2 Strength of materials and parts			
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 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric 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			Meets the product standard's requirements.
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			Is the panel builder's responsibility.
10.6 Incorporation of switching devices and components			Is the panel builder's responsibility.
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 Insulation properties			
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 7.0

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@ss10.0.1-27-37-13-01 [AKN343014])

Material housing			Plastic
Width		mm	160
Height		mm	240
Depth		mm	160
With transparent cover			No
Suitable for emergency stop			No
Model			Surface mounting
Degree of protection (IP)			IP65
Degree of protection (NEMA)			13

Approvals

Product Standards			UL 508; CSA-C22.2 No. 14-05; CSA-C22.2 No. 94; IEC/EN 60947-3; CE marking
UL File No.			E54120
UL Category Control No.			MITW2
CSA File No.			12528
CSA Class No.			3211-07
North America Certification			UL listed, CSA certified
Specially designed for North America			Yes
Degree of Protection			IEC: IP65; UL/CSA Type 1, 3R, 4X, 12, 13 – indoor and outdoor use

Assets (links)

Declaration of CE Conformity

00002809

Instruction Leaflets

IL01502082Z2018_05

Additional product information (links)

IL01502082Z (AWA3210-1960) Insulated small enclosures NA for North America

IL01502082Z (AWA3210-1960) Insulated small enclosures NA for North America	ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL01502082Z2018_05.pdf