

Insulated enclosure, top+bottom open, HxWxD=796x421x275mm, NA type

Powering Business Worldwide[™]

Part no. C148-250-NA Article no. 002254

Delivery program

zomor, program		
Product range		Insulated enclosures Ci for North America
Basic function		Basic enclosures
Product function		Distribution board enclosures for North America Panel enclosures with cover and flanges
Single unit/Complete unit		Single unit
Degree of Protection		IP65
Description		Fitted with removable smooth flanges on all 4 sides Fixing straps for wall fixing Sealable cover fasteners
Type cover		Transparent
Surface finish		RAL 7032 (base)
Dimensions		
Width	mn	n 421
Height	mn	n 796
Depth	mn	n 275
Mounting depth:	mn	n 250
Model base		Enclosure side plates with flanges
Model base		Enclosure side plates with removable smooth flanges

Technical data

Mechanical

General			
Standards			IEC/EN 60529 EN 50262 DIN 43656 DIN 43660 EN 60439-4 for CIX individual enclosures with combined distribution boards from Ci enclosures up to 680 A. Can thus be used for socket combinations and as component for construction site distribution boards.
Climatic proofing			Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
Ambient temperature		°C	-40 - +80
Degree of Protection			IP65
Operating and ambient conditions to VDE 0660 Part 500			
Colour			
Base			RAL 7032, pebble grey
Housing body			Transparent, colorless
Surface finish			RAL 7032 (base)
Material characteristics			
Surface finish			RAL 7032 (base)
Colour			
Base			RAL 7032, pebble grey
Housing body			Transparent, colorless
Material properties			
Electrical			
Track resistance			KB160, KC175 (base, to IEC 60112) KB100, KC200 (cover, to IEC 60112)
Surface resistance to IEC 60093		Ω x 10 ¹³	1
Dielectric strength to IEC 60243-1		kV/mm	30

Impact resistance		please require
Atmospheric		
Saline spray		IEC 60068-2-11
UV resistance		Beneath protective shield
Water consumption to DIN EN ISO 62	%	0.29

Design verification as per IEC/EN 61439

Design vermountion as per 120/214 01-103			
Technical data for design verification			
Heat dissipation, at an ambient temperature of 35°C, delta T: 20 degrees, calculated as per IEC 60890			
Individual enclosure for wall mounting	P_V	CO	52
Starting enclosure for wall mounting	P _V	CO	48
Middle enclosure for wall mounting	P_V	CO	44
Heat dissipation, at an ambient temperature of 35°C, delta T: 35 degrees, calculated as per IEC 60890			
Individual enclosure for wall mounting	P_V	CO	105
Starting enclosure for wall mounting	P_V	CO	96
Middle enclosure for wall mounting	P_V	CO	88
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			Lower part: 960 °C / cover: 850 °C; meets the product standard's requirements.
10.2.4 Resistance to ultra-violet (UV) radiation			Not relevant to indoor installations.
10.2.5 Lifting			$40\mathrm{kg}$ per enclosure with support frame and lifting aid met, assembled and secured as per the latest applicable instruction leaflet.
10.2.6 Mechanical impact			IK10
10.2.7 Inscriptions			Meets the product standard's requirements.
10.3 Degree of protection of ASSEMBLIES			IP65
10.4 Clearances and creepage distances			Is the panel builder's responsibility.
10.5 Protection against electric shock			Protection class 2, therefore not applicable.
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			U _i = 1000 V AC
10.9.3 Impulse withstand voltage			8 kV
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.
10.12 Electromagnetic compatibility			Is the panel builder's responsibility.
10.13 Mechanical function			Meets the product standard's requirements.

Approvals

0529; CE marking
door only

Additional product information (links)

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Manufacturer's Declaration CI-RoHS	ftp://ftp.moeller.net/DOCUMENTATION/PDF/2013-01-31_Ci_RoHS.pdf
Declaration of conformity	ftp://ftp.moeller.net/DOCUMENTATION/PDF/ci_ce.pdf