Insulated enclosure, top+bottom open, +door, HxWxD=796x421x225mm, NA type

Part no. CI48-200-NA
Article no. 002253

Powering Business Worldwide

Delivery 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		mm	421
Height		mm	796
Depth		mm	225
Mounting depth:		mm	200
Model base			Enclosure side plates with flanges
Model base			Enclosure side plates with removable smooth flanges

Technical data

General

Standards			IEC/EN 60529 EN 50262 DIN 43656 DIN 43660 EN 60439-4 for CI...X 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		$\Omega \times 10^{13}$	1
Dielectric strength to IEC 60243-1		kV/mm	30
Mechanical			

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

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	47
Starting enclosure for wall mounting	P_V	CO	44
Middle enclosure for wall mounting	P_V	CO	40
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	95
Starting enclosure for wall mounting	P_V	CO	88
Middle enclosure for wall mounting	P_V	CO	81
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 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

Product Standards			UL 508A; CSA-C22.2 No.94; IEC/EN60529; CE marking
UL File No.			E54120, E337418
UL Category Control No.			NITW
CSA File No.			27130
CSA Class No.			3211-07
North America Certification			UL listed, CSA certified
Specially designed for North America			Yes
Suitable for			Industrial Control Panels
Current Limiting Circuit-Breaker			No
Degree of Protection			IEC: IP65; UL/CSA Types 1, 12, 13, indoor only

Additional product information (links)

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