



Insulated enclosure, top+bottom open, HxWxD=421x421x150mm, NA type

**Part no.** CI44-125-NA  
**Article no.** 002245

## 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)
<b>Dimensions</b>			
Width		mm	421
Height		mm	421
Depth		mm	150
Mounting depth:		mm	125
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 <sub>V</sub>	CO	23
Starting enclosure for wall mounting	P <sub>V</sub>	CO	22
Middle enclosure for wall mounting	P <sub>V</sub>	CO	21
Heat dissipation, at an ambient temperature of 35°C, delta T: 35 degrees, calculated as per IEC 60890			
Individual enclosure for wall mounting	P <sub>V</sub>	CO	47
Starting enclosure for wall mounting	P <sub>V</sub>	CO	45
Middle enclosure for wall mounting	P <sub>V</sub>	CO	42
IEC/EN 61439 design verification			
10.2 Strength of materials and parts			
10.2.2 Corrosion resistance			
10.2.3.1 Verification of thermal stability of enclosures			
10.2.3.2 Verification of resistance of insulating materials to normal heat			
10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects			
10.2.4 Resistance to ultra-violet (UV) radiation			
10.2.5 Lifting			
10.2.6 Mechanical impact			
10.2.7 Inscriptions			
10.3 Degree of protection of ASSEMBLIES			
10.4 Clearances and creepage distances			
10.5 Protection against electric shock			
10.6 Incorporation of switching devices and components			
10.7 Internal electrical circuits and connections			
10.8 Connections for external conductors			
10.9 Insulation properties			
10.9.2 Power-frequency electric strength			
10.9.3 Impulse withstand voltage			
10.9.4 Testing of enclosures made of insulating material			
10.10 Temperature rise			
10.11 Short-circuit rating			
10.12 Electromagnetic compatibility			
10.13 Mechanical function			

## 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, 4X, indoor only

## Additional product information (links)

Manufacturer's Declaration CI-RoHS	<a href="ftp://ftp.moeller.net/DOCUMENTATION/PDF/2013-01-31_Ci_RoHS.pdf">ftp://ftp.moeller.net/DOCUMENTATION/PDF/2013-01-31_Ci_RoHS.pdf</a>
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