

**Insulated enclosure, smooth sides, +door, HxWxD=375x375x166mm, NA type**



**Part no. C144X-125/T-NA**  
**Catalog No. 002233**

**EL-Nummer (Norway) 2502041**

## Delivery program

Product range			Insulated enclosures Ci for North America
Basic function			Basic enclosures
Product function			Individual enclosure for North America Individual enclosures with cover and doors
Degree of Protection			IP65
Description			Fixing straps for wall fixing Sealable cover fasteners Door with quick-release fasteners and 180° door opening angle Door hinges can be subsequently changed to left, right, top or bottom.
<b>Dimensions</b>			
Width		mm	375
Height		mm	375
Depth		mm	166
Mounting depth:		mm	125
Type cover			Transparent with transparent door
Model base			RAL 7035, smooth sides

## 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 7035, light gray
Housing body			Transparent, light gray
Surface finish			RAL 7035 (base)

### Material characteristics

Surface treatment			Resistant to corrosion
Surface finish			RAL 7035 (base)
Colour			
Base			RAL 7035, light gray
Housing body			Transparent, light gray

### 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 in top of the enclosure, 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 in top of the enclosure, 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			

## Technical data ETIM 6.0

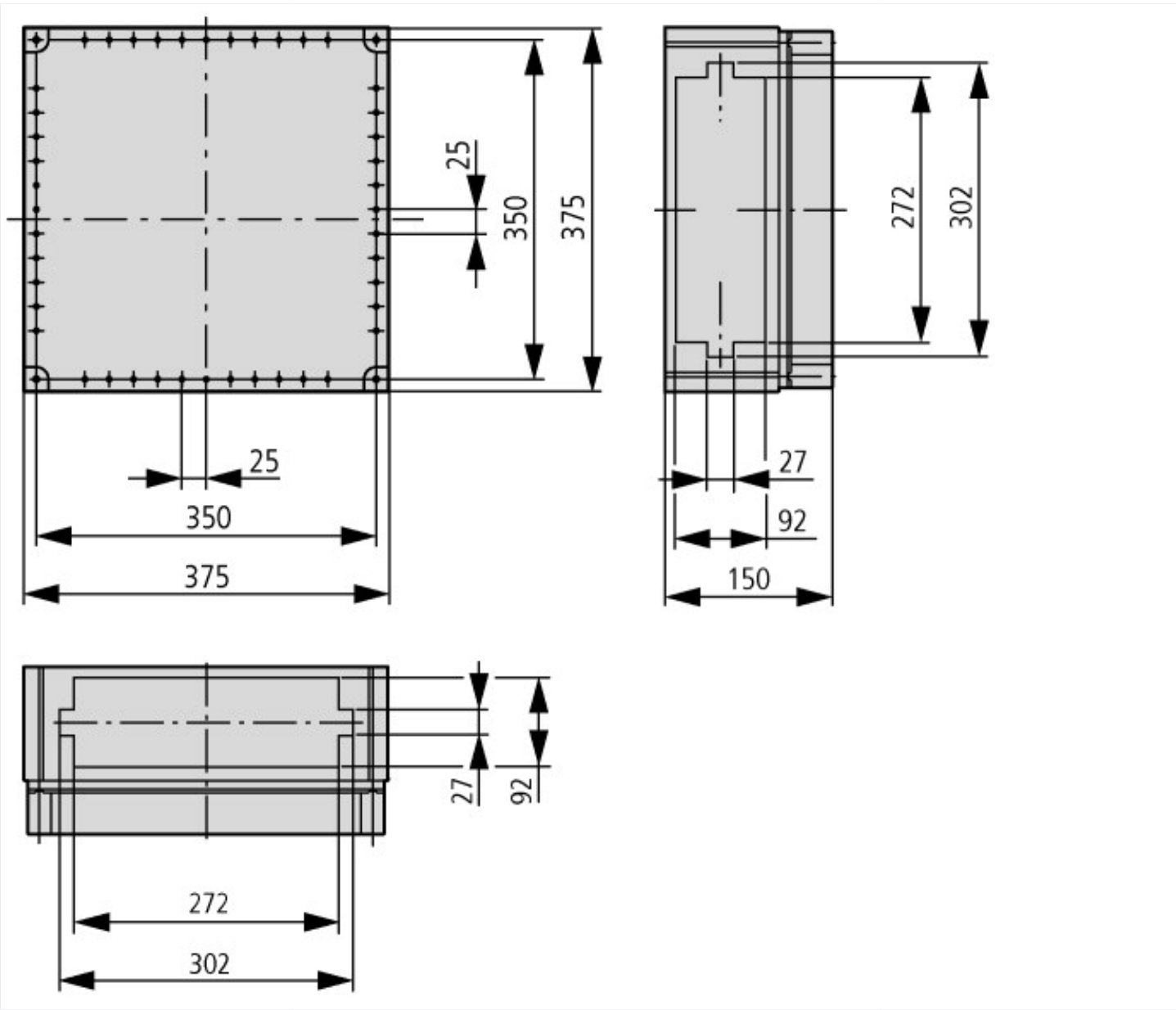
Distribution boards (EG000023) / Empty cabinet (EC000058)			
Electric engineering, automation, process control engineering / Electrical installation, device / Electrical distribution system (incl. small distribution board) / Empty cabinet (small distribution board) (ecl@ss8.1-27-14-24-08 [ACN385008])			
Mounting method			Surface mounted (plaster)
Type of cover			Door
Cover model			Closed
Type of door			Single
Transparent cover/door			Yes
With lock			No
Rated current (In)		A	1600
Height		mm	375
Width		mm	375

Depth		mm	125
Built-in depth		mm	125
Internal depth		mm	125
Plate thickness cabinet		mm	9
Plate thickness door/cover		mm	6
RAL-number			7035
Number of modules			1
Number of rows			0
Width in number of modular spacings			15
Number of openings for flange plates			0
Extension possible			No
Number of conduit inlets			0
Material housing			Plastic
Surface protection			Other
With mounting plate			No
Suitable for outdoor use			Yes
Suitable for lightning protection			Yes
Degree of protection (IP)			IP65
Protection class			II
Impact strength			IK10
Circuit integrity			Other

## 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
Degree of Protection			IEC: IP65; UL/CSA Types 1, 12, 13, 4X, indoor only

Dimensions



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>
Declaration of conformity	<a href="ftp://ftp.moeller.net/DOCUMENTATION/PDF/ci_ce.pdf">ftp://ftp.moeller.net/DOCUMENTATION/PDF/ci_ce.pdf</a>