

Insulated enclosure, smooth sides, HxWxD=375x375x275mm

Part no. C144X-250
Catalog No. 038884
EL-Nummer (Norway) 2502196

Delivery program

Dimensions	mm	
Product range		xEnergy Safety Ci
Basic function		Basic enclosures
Product function		Individual enclosures
Single unit/Complete unit		Stand-alone device
Standards		EN 62208 EN 61439-2
Degree of Protection		IP65
Description		Smooth side plates, without knockouts Sealable cover fasteners Include fixing straps for wall mounting
Colour		RAL 7035, light gray (base) Transparent, smoky gray (cover)
Width	mm	375
Height	mm	375
Depth	mm	275
Mounting depth with mounting plate	mm	250
Mounting depth for mounting rail 7.5 mm height	mm	242.5
Mounting depth for mounting rail 15 mm height	mm	235
Enclosure depth		
Legend for the graphic		Dimensions from top: Mounting depth with mounting plate Mounting depth for mounting rail 7.5 mm height Mounting depth for mounting rail 15 mm height Enclosure depth
Enclosure depth	mm	
Type cover		Transparent
Model base		Plain

Technical data

General		
Standards		EN 62208 EN 61439-2
Ambient temperature	°C	-40 - +80
Degree of Protection		IP65
Material characteristics		
Material		glass-fibre reinforced polycarbonate (base) non-reinforced polycarbonate (cover) Halogen free

Surface treatment			Resistant to corrosion
Material properties			
Thermal			
Temperature resistant			-40 °C - 120 °C (enclosure) 85 °C (enclosure bolt) 80 °C (gasket)
Chemical resistance			
Chemical resistant			Resistant against: Acids < 10 %, mineral oil, alcohol, gasoline, greases, salt solutions Partly resistant to: Acids > 10 % Not resistant to: alkalis, benzene
Atmospheric			
Saline spray			IEC 60068-2-11
UV resistance			Beneath protective shield
Flammability characteristics			
Flammability classification according to UL94			V1 (base) V2 (cover)

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 _V	W	34
Starting enclosure for wall mounting	P _V	W	32
Middle enclosure for wall mounting	P _V	W	29
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 _V	W	69
Starting enclosure for wall mounting	P _V	W	64
Middle enclosure for wall mounting	P _V	W	59
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			
20 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.			

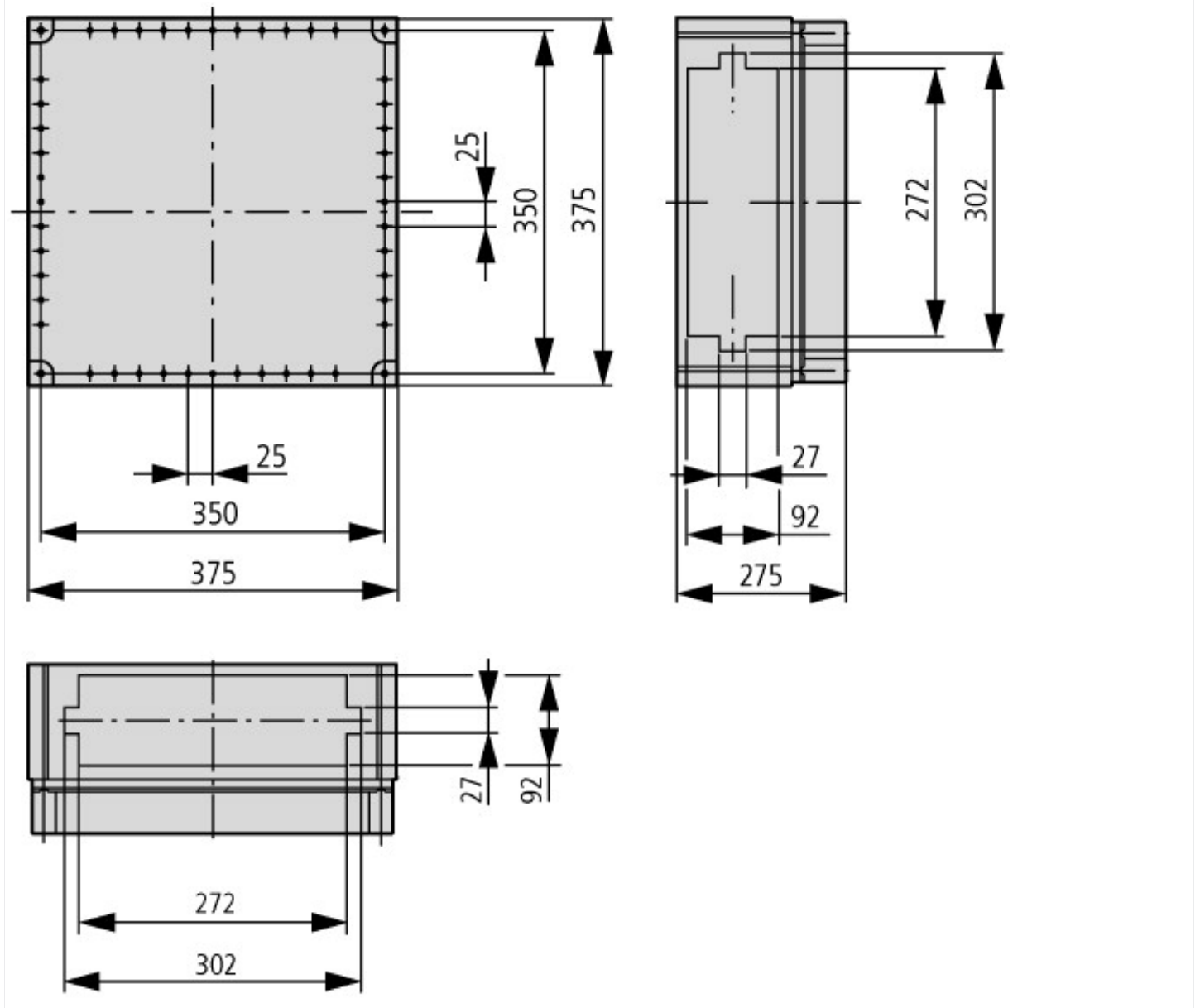
Technical data ETIM 7.0

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) (ecf@ss10.0.1-27-14-24-08 [ACN385011])

Mounting method		Surface mounted (plaster)
Type of cover		Optional
Cover model		Closed
Type of door		None
Transparent cover/door		Yes
With lock		No
Nominal current (In)	A	1600
Height	mm	375
Width	mm	375
Depth	mm	275
Built-in depth	mm	250
Internal depth	mm	250
Plate thickness cabinet	mm	9
Plate thickness door/cover	mm	6
Colour		Grey
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
Degree of protection (NEMA)		Other
Protection class		II
Impact strength		IK10
Circuit integrity		Other

Dimensions



Additional product information (links)

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configurator - xEnergy family	http://www.eaton.eu/DE/Europe/Electrical/CustomerSupport/ConfigurationTools/xEnergyMainSupport/index.htm