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Worldwide English



C44X-250-NA - Insulated enclosure, smooth sides, HxWxD=375x375x275mm, NA type



002224 C44X-250-NA

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002224 CI44X-250-NA

Insulated enclosure, smooth sides, HxWxD=375x375x275mm, NA type

EL-Nummer (Norway)

2502039

Individual basic enclosure, material characteristic polycarbonate, impact-resistant, degree of protection IP65, optional lockable with DVZ...-CI, patented cover fasteners with integrated overpressure compensation, smooth sides, without knockouts, fixing straps for wall fixing, sealable cover fasteners, RAL 7035, grey (base), transparent smoky, (cover), mounting depth with mounting plate=200mm, cover type: transparent smoky, base type: smooth

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Delivery program

Product range

xEnergy Safety CI

Basic function

Basic enclosures

Product function

Individual enclosure for North America

Individual enclosures with covers

Single unit/Complete unit

Stand-alone device

Standards

UL508A

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)

Dimensions

Width

375 mm

Height

375 mm

Depth
275 mm
Mounting depth:
250 mm
Type cover
Transparent
Model base
RAL 7035, smooth sides

Technical data

General
Standards
UL508A
Climatic proofing
Damp heat, constant, to IEC 60068-2-78
Damp heat, cyclic, to IEC 60068-2-30
Ambient temperature
-40 - +80 °C
Degree of Protection
IP65
Operating and ambient conditions to VDE 0660 Part 500
Surface finish
RAL 7035 (base)
Material characteristics
Surface treatment
Resistant to corrosion
Surface finish
RAL 7035 (base)
Material properties
Electrical
Track resistance
KB160, KC175 (base, to IEC 60112)
KB100, KC200 (cover, to IEC 60112)
Electrical
Surface resistance to IEC 60093
 $1 \Omega \times 10^{13}$
Electrical
Dielectric strength to IEC 60243-1
30 kV/mm
Mechanical
Impact resistance
please require
Atmospheric
Saline spray
IEC 60068-2-11
Atmospheric
UV resistance
Beneath protective shield
Atmospheric
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_v]

34 W

Heat dissipation, at an ambient temperature of 35°C, delta T: 20 degrees in top of the enclosure, calculated as per IEC 60890
Starting enclosure for wall mounting [P_v]

32 W

Heat dissipation, at an ambient temperature of 35°C, delta T: 20 degrees in top of the enclosure, calculated as per IEC 60890
Middle enclosure for wall mounting [P_v]

29 W

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]

69 W

Heat dissipation, at an ambient temperature of 35°C, delta T: 35 degrees in top of the enclosure, calculated as per IEC 60890
Starting enclosure for wall mounting [P_v]

64 W

Heat dissipation, at an ambient temperature of 35°C, delta T: 35 degrees in top of the enclosure, calculated as per IEC 60890
Middle enclosure for wall mounting [P_v]

59 W

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 Strength of materials and parts 10.2.3.1 Verification of thermal stability of enclosures
Meets the product standard's requirements.

10.2 Strength of materials and parts 10.2.3.2 Verification of resistance of insulating materials to normal heat
Meets the product standard's requirements.

10.2 Strength of materials and parts 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 Strength of materials and parts 10.2.4 Resistance to ultra-violet (UV) radiation
Not relevant to indoor installations.

10.2 Strength of materials and parts 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 Strength of materials and parts 10.2.6 Mechanical impact
IK10

10.2 Strength of materials and parts 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 Insulation properties 10.9.3 Impulse withstand voltage
8 kV

10.9 Insulation properties 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

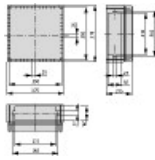
Distribution boards (EG000023) / Empty cabinet (EC000058)
Electric engineering, automation, process control engineering / Electrical installation, device / Electrical distribution system (incl. small distribution board) / Empty cabinet (small distribution board) (ecl@ss10.0.1-27-14-24-08 [ACN885011])
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)
1600 A
Height
375 mm
Width
375 mm
Depth

275 mm
Built-in depth
250 mm
Internal depth
250 mm
Plate thickness cabinet
9 mm
Plate thickness door/cover
6 mm
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 (NEVA)
4X
Protection class
II
Impact strength
IK10
Circuit integrity
Other

Approvals

Product Standards
UL 508A; CSA-C22.2 No.94; IEC/EN62208; CE marking
UL File No.
E499317
UL Category Control No.
NITW
North America Certification
UL listed
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

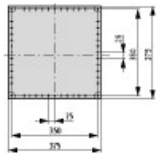
- [model certification xEnergy Safety Qi](#)
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(Web)

Product photo

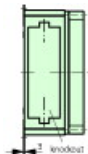


vt21413
Photo
INSULATED ENCLOSURES C44

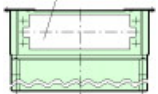
Dimensions single product



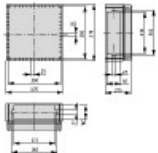
320X018
Line drawing
Individual enclosure, panel enclosure



320X021
Line drawing
Panel enclosure



320X033
Line drawing
Panel enclosure



320X183
Line drawing

Instruction Leaflet

- [IL0567](#)
Asset
(PDF, Language independent)

Declaration of Conformity

EU

- [DA-DC-2013-01-31_Qi_RoHS](#)
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