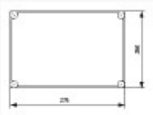
019900
CI43X-125

DELIVERY PROGRAM

Dimensions



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
375 mm

Height
250 mm

Depth
150 mm

Mounting depth with mounting plate
125 mm

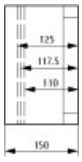
Mounting depth for mounting rail 7.5 mm height
117.5 mm

Mounting depth for mounting rail 15 mm height
110 mm

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



Type cover
Transparent

Model base
Plain

TECHNICAL DATA

General

Standards
EN 62208
EN 61439-2

Ambient temperature
-40 - +80 °C

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

Atmospheric
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]
20 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]
19 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]
18 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]
41 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]
39 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]
37 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
10 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 [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)
1600 A

Height
250 mm

Width
375 mm

Depth
150 mm

Built-in depth
125 mm

Internal depth
125 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 (NEMA)
Other

Protection class
II

Impact strength
IK10

Circuit integrity
Other

DIMENSIONS