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Worldwide English



Powering Business Worldwide

AE/I43E - MCB enclosure, 3x9space units, HxWxD=250x375x150mm



000239 AE/I43E

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000239 AE/I43E

MCB enclosure, 3x9space units, HxWxD=250x375x150mm

EL-Nummer (Norway)

2502009

MCB individual enclosure, material characteristic polycarbonate, impact-resistant, degree of protection IP65, metric cable entry knockouts in all sides, for mounting devices with frame size 1 to DIN 43880, transparent smoky cover with quick-release fasteners, transparent smoky door for operator access to devices fitted, mounting rails for snap-fitting the devices, blanking strip for unused mounting locations, protective shroud with inscription label, including space unit/N bars, fixing straps for wall fixing, sealable cover fasteners, number space units=27, space unit and N-terminals count x cross-section=each 4x(6-35)mm² and 20x(1-4)mm², cover type: transparent smoky, door type: without



• [Delivery program](#)

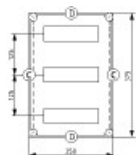
• [Design verification as per IEC/EN 61439](#)

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Delivery program

Dimensions



Product range

xEnergy Safety Qi

Basic function


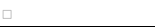
Prepared enclosures

Product function

MCB individual enclosures

Accessories
MCB individual enclosures
Single unit/Complete unit
Stand-alone device
Standards
EN 62208
EN 61439-2
Description
Metric cable entry knockouts in all sides
Housings for e.g. built-in devices MCB, RCD, RCBO, AFDD
Transparent cover with quick-release fasteners
Metal mounting rail for snapping on devices
1 x Blanking strip for unused mounting locations
Protective shroud with inscription label
PE/N combi-plug-in terminals
Fixing straps for wall fixing
Sealable cover fasteners
Degree of Protection
IP65
Width
250 mm
Height
375 mm
Depth
150 mm
Modular spacing (space units)
27 Number
PE and N terminals, quantity x cross-section
On each 3 x (2.5 - 25)
On each 21 x (0.5 - 4) mm²
Model
Type cover
Transparent

Notes

C	
	2 x M50/32 6 x M25/16 8 x M20
D	
	1 x M50/32 6 x M25/16

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]

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 Starting enclosure for wall mounting [P_V]

17 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]

16 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]

38 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]

35 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]

32 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) / Small distribution board (EC000214)
Electric engineering, automation, process control engineering / Electrical installation, device / Electrical distribution system (incl. small distribution board) / Small distribution board (ecl@ss10.0.1-27-14-24-09 [ACN387011])
Mounting method
Surface mounted (plaster)
Number of rows
3
Width in number of modular spacings
9
Type of cover
Door
Cover model
Closed
Transparent cover/door
Yes
Material housing
Plastic
Height
375 mm
Width
250 mm
Depth

150 mm
Built-in depth
100 mm
Internal depth
150 mm
DIN-rail
Yes
With mounting plate
No
Extension possible
No
EMC-version
No
Colour
Grey
RAL-number
7035
Degree of protection (IP)
IP65
With lock
No
Type of closure
Other

Dimensions



Additional product information

- [model certification xEnergy Safety CI](#)
(Web)
- [Save time – we assist you with expert pre-assembly](#)
(Web)
- [product information xEnergy Safety CI](#)
(Web)
- [tool for calculating the power loss for switching device combinations](#)
(Web)
- [configurator - xEnergy family](#)
(Web)

Product photo



[vt19018_c](#)

Photo

Individual enclosure Q43, 27TE



[vt19018_l](#)

Photo

Individual enclosure Q43, 27TE



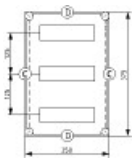
[vt19018_r](#)

Photo

Individual enclosure Q43, 27TE

Dimensions single product

- [450X002](#)
Line drawing
MCB enclosures



- [460ND82](#)
Line drawing
MCB enclosures

Instruction Leaflet

- [AE_AV-07M-2021-03 \(IL015090ZU\)](#)
Asset
MA170928298
(PDF, 03/21, Language independent)

Declaration of Conformity

EU

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