

## MCB enclosure, +door, 3x9space units, HxWxD=375x250x150mm

Part no. AE/I43E/T  
002612

EL Number 2502091  
(Norway)

<b>General specifications</b>		
Product name		Eaton xEnergy Safety Ci MCB enclosure
Part no.		AE/I43E/T
EAN		4015080026129
Product Length/Depth		150 millimetre
Product height		250 millimetre
Product width		375 millimetre
Product weight		3.233 kilogram
Compliances		RoHS conform
Certifications		EN 62208 EN 61439-2
Product Tradename		xEnergy Safety Ci
Product Type		MCB enclosure
Product Sub Type		None
<b>Delivery program</b>		
Type		MCB individual enclosures Prepared enclosure xEnergy Safety Ci
Accessory/spare part type		MCB individual enclosures
Color		Gray
<b>Technical Data - Mechanical</b>		
Closure type		Other
Unit type		Stand-alone device
Enclosure material		Plastic
Width in number of modular spacings		9
Mounting method		DIN-rail Surface mounted (plaster)
Degree of protection		IP65
Number of module space units (total)		27
Number of rows		3
Number and capacity of terminal (PE and N)		On each 3 x (2.5 - 25 mm <sup>2</sup> ) On each 21 x (0.5 - 4 mm <sup>2</sup> )
Built-in depth		100 mm
Built-in height		0 mm
Built-in width		0 mm
Internal depth		150 mm
Cover/door color		Transparent
Cover/door model		Closed
Cover/door type		Transparent Door Single
<b>Temperature-rise verification as per IEC 60890</b>		
Heat diss. ambient 35°C delta T: 20°C wall mount middle encl. top (IEC 60890)		16 W
Heat diss. ambient 35°C delta T: 35°C wall mount middle encl. top (IEC 60890)		32 W
Heat diss. ambient 35°C delta T: 20°C wall mount individ. encl. top (IEC 60890)		19 W
Heat diss. ambient 35°C delta T: 20°C wall mount starting encl. top (IEC 60890)		17 W
Heat diss. ambient 35°C delta T: 35°C wall mount individ. encl. top (IEC 60890)		38 W
Heat diss. ambient 35°C delta T: 35°C wall mount starting encl. top (IEC 60890)		35 W
<b>Design verification as per IEC/EN 61439</b>		
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 Resist. of insul. mat. to abnormal heat/fire by internal elect. 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			10 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.
10.9.2 Power-frequency electric strength			Ui = 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.
<b>Additional information</b>			
Functions			Prepared enclosure
RAL-number			7035
Special features			Metric cable entry knockouts in all sides Housings for e.g. built-in devices MCB, RCD, RCBO, AFDD Transparent door for operator access to devices fitted 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
Used with			Prepared enclosure xEnergy Safety Ci MCB individual enclosures

## Technical data ETIM 9.0

Distribution boards (EG000023) / Small distribution board (EC000214)			
Electric engineering, automation, process control engineering / Electrical installation, device / Electrical distribution system (including small distribution board) / Small distribution board (ecI@ss13-27-14-24-09 [ACN387016])			
Mounting method			Surface mounted
Number of rows			3
Width in number of modular spacings			9
Type of covering			Door
Cover model			Closed
Type of door			Single
Transparent cover/door			Yes
Signal passing door			No
With lock			No
Type of closure			Other
Housing material			Plastic
Built-in depth		mm	100
Built-in height		mm	0
Built-in width		mm	0
Inner depth		mm	150
Earthing terminal block			No
Neutral terminal block			No
DIN-rail			Yes
With mounting plate			No
Extension possible			No
EMC-version			No
UV resistant			No

Colour			Grey
RAL-number			7035
Degree of protection (IP)			IP65
Height		mm	250
Width		mm	375
Depth		mm	150