

## MCB enclosure, 9HP, HxWxD=250x187.5x150mm

**Part no.** AE/I23E  
**029766**  
**EL Number** 2502170  
**(Norway)**

<b>General specifications</b>		
Product name		Eaton xEnergy Safety Ci MCB enclosure
Part no.		AE/I23E
EAN		4015080297666
Product Length/Depth		150 millimetre
Product height		250 millimetre
Product width		188 millimetre
Product weight		1.764 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		Surface mounted (plaster) DIN-rail
Degree of protection		IP65
Number of module space units (total)		9
Number of rows		1
Number and capacity of terminal (PE and N)		On each 7 x (0.5 - 4 mm <sup>2</sup> ) On each 1 x (2.5 - 25 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		Door Transparent 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)		11 W
Heat diss. ambient 35°C delta T: 35°C wall mount middle encl. top (IEC 60890)		23 W
Heat diss. ambient 35°C delta T: 20°C wall mount individ. encl. top (IEC 60890)		13 W
Heat diss. ambient 35°C delta T: 20°C wall mount starting encl. top (IEC 60890)		12 W
Heat diss. ambient 35°C delta T: 35°C wall mount individ. encl. top (IEC 60890)		26 W
Heat diss. ambient 35°C delta T: 35°C wall mount starting encl. top (IEC 60890)		24 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		5 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		U <sub>i</sub> = 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 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

## 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		1
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	188
Depth	mm	150