

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

Part no. AE/I43E/T
002612
EL Number 2502091
(Norway)

General specifications		
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
Delivery program		
Type		MCB individual enclosures Prepared enclosure xEnergy Safety Ci
Accessory/spare part type		MCB individual enclosures
Color		Gray
Technical Data - Mechanical		
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 ²) On each 21 x (0.5 - 4 mm ²)
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
Temperature-rise verification as per IEC 60890		
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
Design verification as per IEC/EN 61439		
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		U _i = 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.
Additional information		
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 (ecl@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