

Part no. AV/I44-200
062192
EL Number 2502255
(Norway)

General specifications		
Product name		Eaton xEnergy Safety Ci MCB enclosure
Part no.		AV/I44-200
EAN		4015080621928
Product Length/Depth		225 millimetre
Product height		375 millimetre
Product width		375 millimetre
Product weight		3.776 kilogram
Compliances		RoHS conform
Certifications		EN 61439-2 EN 62208
Product Tradename		xEnergy Safety Ci
Product Type		MCB enclosure
Product Sub Type		None
Delivery program		
Type		Enclosures for miniature circuit breakers Prepared enclosures xEnergy Safety Ci
Accessory/spare part type		Enclosures for miniature circuit breakers
Color		Gray
Nominal current		1600 A
Technical Data - Electrical		
Circuit integrity		Other
Technical Data - Mechanical		
Unit type		Stand-alone device
Base type		Partially closed, foldable
Surface protection		Other
Enclosure material		Plastic
Width in number of modular spacings		15
Mounting method		Surface mounted (plaster)
Degree of protection		IP65 IK10 Other
Number of conduit inlets		100
Number of module space units (total)		45
Number of modules		1
Number of openings (flange plates)		4
Number of rows		3
Built-in depth		100 mm
Internal depth		200 mm
Cover/door color		Transparent
Cover/door model		Closed
Cover/door type		Transparent None Optional
Plate thickness (cabinet)		6 mm
Plate thickness (cover/door)		6 mm
Temperature-rise verification as per IEC 60890		
Heat diss. ambient 35°C delta T: 20°C wall mount middle encl. top (IEC 60890)		27 W
Heat diss. ambient 35°C delta T: 35°C wall mount middle encl. top (IEC 60890)		53 W
Heat diss. ambient 35°C delta T: 20°C wall mount individ. encl. top (IEC 60890)		31 W

Heat diss. ambient 35°C delta T:20°C wall mount starting encl. top (IEC 60890)		29 W
Heat diss. ambient 35°C delta T:35°C wall mount individ. encl. top (IEC 60890)		62 W
Heat diss. ambient 35°C delta T:35°C wall mount starting encl. top (IEC 60890)		57 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
10.2.4 Resistance to ultra-violet (UV) radiation		Not relevant to indoor installations.
10.2.5 Lifting		20 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		
Features		Cover with overpressure release
Protection class		II
RAL-number		7035
Special features		Housing prepared for distribution board Two sides closed, can be folded out two sides open Housings for e.g. built-in devices MCB, RCD, RCBO, AFDD Transparent cover with quick-release fasteners Mounting rails for snap-fitting the devices Blanking strip for unused mounting locations Protective shroud with inscription label Sealable cover fasteners W/o PE/N terminals, please order separately
Suitable for		Outdoor use Lightning protection

Technical data ETIM 9.0

Distribution boards (EG000023) / Empty cabinet (EC000058)		
Electric engineering, automation, process control engineering / Electrical installation, device / Electrical distribution system (including small distribution board) / Empty cabinet (small distribution board) (ecl@ss13-27-14-24-08 [ACN385016])		
Mounting method		Surface mounted
Type of covering		None
Cover model		Closed
Type of door		None
Transparent cover/door		Yes
With lock		No
Nominal current (In)	A	1600
Height	mm	375
Width	mm	375
Depth	mm	225
Built-in depth	mm	100
Inner depth	mm	200
Material plate thickness cabinet	mm	6
Material plate thickness door/cover	mm	6
Colour		Grey

RAL-number			7035
Number of modules			1
Number of rows			3
Width in number of modular spacings			15
Number of openings for flange plates			4
Extension possible			No
Number of conduit inlets			100
Housing material			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
Cover with overpressure release			Yes