



## Eaton 138538

Eaton xEnergy Safety Ci LV systems LV switchgear. Housing, insulated material, for molded-case circuit-breaker NZM1 size, HxWxD=250x187.5x175mm

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<b>PRODUCT NAME</b>	Eaton xEnergy Safety Ci MCCB enclosure
<b>CATALOG NUMBER</b>	138538
<b>PRODUCT LENGTH/DEPTH</b>	175 mm
<b>PRODUCT HEIGHT</b>	250 mm
<b>PRODUCT WIDTH</b>	188 mm
<b>PRODUCT WEIGHT</b>	2.775 kg
<b>COMPLIANCES</b>	RoHS conform



Powering Business Worldwide

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**USED WITH**

K95/1N...  
LZM1(-4)  
NZM1(-4)  
PN1(-4)  
LN1(-4)  
N1(-4)  
NS1  
Prepared enclosures  
xEnergy Safety Ci  
Enclosures for circuit  
breakers, switch-  
disconnectors

**SPECIAL FEATURES**

For use as individual  
enclosures (order  
insulated additional  
terminal for 4th or 5th  
pole separately) or in  
distribution boards  
Observe the technical data  
of other equipment when  
connecting distribution  
boards Metric cable entry  
knockouts in all sides Side  
walls can be knocked out  
or fitted next to other  
devices Galvanized sheet  
steel mounting plate, pre-  
drilled for switches & PE  
and N terminal Sealable  
cover fasteners With door  
coupling rotary handle  
NZM...-XTVD and  
extension shaft Fixing  
straps for wall mounting  
can not be combined with  
remote operator NZM...-  
XR, plug-in unit NZM...-XSV  
or withdrawable unit  
NZM...-XAV

**TYPE**

Enclosures for circuit  
breakers, switch-  
disconnectors Prepared  
enclosures xEnergy Safety  
Ci

**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**

Meets the product

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**MCAD MODEL**

[eaton-enclosure-mcad-  
drawings-mccb1-63-i23e-  
150.dwg](#)

[mccb1\\_63\\_i23e\\_150.stp](#)

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dimensions-003.eps](#)

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drawing.eps](#)

<b>FUNCTION</b>	standard's requirements.
<b>10.2.2 CORROSION RESISTANCE</b>	Meets the product standard's requirements.
<b>10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES</b>	Meets the product standard's requirements.
<b>10.2.3.2 VERIFICATION OF RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT</b>	Meets the product standard's requirements.
<b>10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS</b>	Lower part: 960 °C / cover: 850 °C
<b>10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION</b>	Not relevant to indoor installations.
<b>10.2.5 LIFTING</b>	5 kg per enclosure with support frame and lifting aid met; assembled and secured as per the latest applicable instruction leaflet.
<b>10.2.6 MECHANICAL IMPACT</b>	IK10
<b>10.2.7 INSCRIPTIONS</b>	Meets the product standard's requirements.
<b>10.3 DEGREE OF PROTECTION OF ASSEMBLIES</b>	IP65
<b>10.4 CLEARANCES AND CREEPAGE DISTANCES</b>	Is the panel builder's responsibility.
<b>10.5 PROTECTION AGAINST ELECTRIC SHOCK</b>	Protection class 2, therefore not applicable.
<b>10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS</b>	Is the panel builder's responsibility.
<b>10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS</b>	Is the panel builder's responsibility.
<b>10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS</b>	Is the panel builder's responsibility.
<b>10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH</b>	Ui = 1000 V AC
<b>10.9.3 IMPULSE WITHSTAND VOLTAGE</b>	8 kV
<b>10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL</b>	Meets the product standard's requirements.

<b>FITTED WITH:</b>	Transparent cover
<b>ENCLOSURE</b>	CI23E-150
<b>DEGREE OF PROTECTION</b>	IP65 Other
<b>ENCLOSURE MATERIAL</b>	Plastic
<b>UNIT TYPE</b>	Complete housing
<b>VOLTAGE RATING</b>	690 V AC
<b>HEAT DISS. AMBIENT 35°C DELTA T:20°C WALL MOUNT INDIVID. ENCL. TOP (IEC 60890)</b>	16 W
<b>HEAT DISS. AMBIENT 35°C DELTA T: 20°C WALL MOUNT MIDDLE ENCL. TOP (IEC 60890)</b>	13 W
<b>HEAT DISS. AMBIENT 35°C DELTA T:20°C WALL MOUNT STARTING ENCL. TOP (IEC 60890)</b>	15 W
<b>HEAT DISS. AMBIENT 35°C DELTA T:35°C WALL MOUNT INDIVID. ENCL. TOP (IEC 60890)</b>	33 W
<b>HEAT DISS. AMBIENT 35°C DELTA T: 35°C WALL MOUNT MIDDLE ENCL. TOP (IEC 60890)</b>	27 W
<b>HEAT DISS. AMBIENT 35°C DELTA T:35°C WALL MOUNT STARTING ENCL. TOP (IEC 60890)</b>	30 W
<b>COVER/DOOR TYPE</b>	Transparent, smoke gray, pre-drilled for door coupling rotary handle
<b>FUNCTIONS</b>	Prepared enclosure
<b>MODEL</b>	Surface mounting
<b>RATED UNINTERRUPTED CURRENT (IU)</b>	63 A
<b>VOLTAGE RATING AT AC</b>	690 V AC
<b>SUITABLE FOR</b>	Emergency stop

