

## Eaton 194554

Eaton xEnergy Safety Ci LV systems LV switchgear. Insulated enclosure open above+below, HxWxD=500x375x300mm

PRODUCT NAME	Eaton xEnergy Safety Ci empty enclosure insulated
CATALOG NUMBER	194554
PRODUCT LENGTH/DEPTH	300 mm
PRODUCT HEIGHT	500 mm
PRODUCT WIDTH	375 mm
PRODUCT WEIGHT	4.328 kg
COMPLIANCES	RoHS conform
CERTIFICATIONS	EN 62208 EN 61439-2

<b>SPECIAL FEATURES</b>	Housing prepared for distribution board Two sides closed, can be folded out two sides open Sealable cover fasteners Integrated pressure-relief mechanism for short-circuits
<b>TYPE</b>	Basic enclosure Panel enclosures xEnergy Safety Ci
<b>FEATURES</b>	UV resistance beneath protective shield Cover with overpressure release
<b>10.10 TEMPERATURE RISE</b>	The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
<b>10.11 SHORT-CIRCUIT RATING</b>	Is the panel builder's responsibility.
<b>10.12 ELECTROMAGNETIC COMPATIBILITY</b>	Is the panel builder's responsibility.
<b>10.13 MECHANICAL FUNCTION</b>	Meets the product 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>	30 kg per enclosure with support frame and lifting aid met; assembled and secured as per the latest applicable instruction leaflet.

<b>MCAD MODEL</b>	<a href="#">ci45_250.dwg</a> <a href="#">ci45_250.stp</a>
	<a href="#">eaton-xenergy-safety-ci-subway-line-success-story-en-us.pdf</a>
	<a href="#">eaton-xenergy-safety-ci-enclosure-brochure-br014001en-en-us.pdf</a>
	<a href="#">eaton-xenergy-ci-safety-catalog-ca015006en-en-us.pdf</a>
	<a href="#">eaton-enclosures-enclosure-xenergy-safety-ci-lv-systems-dimensions-008.eps</a>

<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>SURFACE FINISHING</b>	Resistant to corrosion
<b>CREEPAGE RESISTANCE</b>	KB100, KC200 (cover, to IEC 60112) KB160, KC175 (base, to IEC 60112)
<b>DEGREE OF PROTECTION</b>	IK10 IP65 Other
<b>ENCLOSURE MATERIAL</b>	Plastic
<b>SURFACE PROTECTION</b>	Other
<b>CHEMICAL RESISTANCE</b>	Resistant against: acids < 10 %, mineral oil, alcohol, gasoline, greases, salt solutions Partly resistant to: Acids > 10 % Not resistant to: alkalis, benzene
<b>CIRCUIT INTEGRITY</b>	None
<b>UNIT TYPE</b>	Single unit
<b>BUILT-IN DEPTH</b>	279 mm

HEAT DISS. AMBIENT 35°C DELTA T:20°C WALL MOUNT INDIVID. ENCL. TOP (IEC 60890)	41 W
HEAT DISS. AMBIENT 35°C DELTA T: 20°C WALL MOUNT MIDDLE ENCL. TOP (IEC 60890)	35 W
HEAT DISS. AMBIENT 35°C DELTA T:20°C WALL MOUNT STARTING ENCL. TOP (IEC 60890)	38 W
HEAT DISS. AMBIENT 35°C DELTA T:35°C WALL MOUNT INDIVID. ENCL. TOP (IEC 60890)	82 W
HEAT DISS. AMBIENT 35°C DELTA T: 35°C WALL MOUNT MIDDLE ENCL. TOP (IEC 60890)	69 W
HEAT DISS. AMBIENT 35°C DELTA T:35°C WALL MOUNT STARTING ENCL. TOP (IEC 60890)	77 W
COLOR	Gray
COVER/DOOR COLOR	Transparent
COVER/DOOR MODEL	Closed
COVER/DOOR TYPE	Transparent Cover None
NUMBER OF OPENINGS (FLANGE PLATES)	6
PLATE THICKNESS (CABINET)	6 mm
PLATE THICKNESS (COVER/DOOR)	6 mm
RAL-NUMBER	7035
SURFACE RESISTANCE (IEC 60093)	10 TΩ
WIDTH IN NUMBER OF MODULAR SPACINGS	17
AMBIENT OPERATING TEMPERATURE DETAILS	-40 °C - 80 °C
MATERIAL	Halogen free Non-reinforced polycarbonate (cover) Glass-fibre reinforced polycarbonate (base)
MOUNTING METHOD	Surface mounted (plaster)

<b>NUMBER OF ROWS</b>	0
<b>FUNCTIONS</b>	Extension possible
<b>TEMPERATURE RESISTANCE</b>	Temperature resistant: 85 °C (enclosure bolt) Temperature resistant: 80 °C (gasket) Temperature resistant: -40 °C - 120 °C (enclosure)
<b>FLAMMABILITY CHARACTERISTICS (UL)</b>	V1 (base) (UL94) V2 (cover) (UL94)
<b>PROTECTION CLASS</b>	II
<b>NUMBER OF MODULES</b>	1
<b>SURFACE TREATMENT</b>	Resistant to corrosion
<b>INTERNAL DEPTH</b>	279 mm
<b>MOUNTING DEPTH WITH MOUNTING PLATE</b>	280 mm
<b>NOMINAL CURRENT</b>	1600 A
<b>NUMBER OF CONDUIT INLETS</b>	104
<b>SUITABLE FOR</b>	Outdoor use Lightning protection
<b>SALINE SPRAY RESISTANCE</b>	IEC 60068-2-11
<b>ENCLOSURE MATERIAL QUALITY</b>	Other
<b>TYPE OF COATING</b>	Other

**PROJECT NAME:**

**PROJECT NUMBER:**

**PREPARED BY:**

:



Eaton House  
30 Pembroke Road  
Dublin 4,  
Eaton.com

© 2025

Follow us on social media to get the latest product and support information.

