



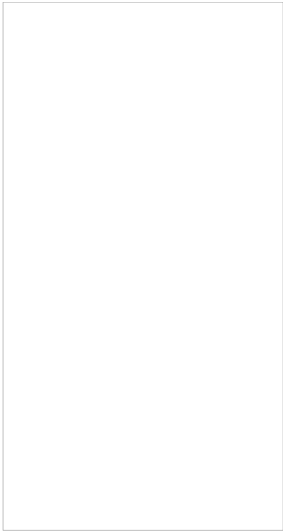
XENERGY SAFETY CI
045581


Overview


Specifications


Resources

How to



045581

Eaton xEnergy Safety Ci LV systems LV switchgear
mounting rail vertical, HxWxD=250x375x225mm

Access the Online Catalog

GENERAL SPECIFICATIONS

General specifications



PRODUCT NAME Eaton xEnergy Safety Ci MCB enclosure

CATALOG NUMBER 045581

Product specifications



MODEL CODE AV/I43-200

EAN 4015080455813

PRODUCT LENGTH/DEPTH 225 mm

PRODUCT HEIGHT 250 mm

PRODUCT WIDTH 375 mm

PRODUCT WEIGHT 2.661 kg

COMPLIANCES RoHS conform

CERTIFICATIONS EN 61439-2
EN 62208

PRODUCT SPECIFICATIONS

10.11 SHORT-CIRCUIT RATING	Is the panel builder's responsibility.
CIRCUIT INTEGRITY	Other
PLATE THICKNESS (COVER/DOOR)	6 mm
RAL-NUMBER	7035
10.4 CLEARANCES AND CREEPAGE DISTANCES	Is the panel builder's responsibility.
10.12 ELECTROMAGNETIC COMPATIBILITY	Is the panel builder's responsibility.
PLATE THICKNESS (CABINET)	6 mm
MOUNTING METHOD	Surface mounted (plaster)
10.2.5 LIFTING	10 kg per enclosure with support frame and lifting aid and secured as per the latest applicable instruction leaflet
10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES	Meets the product standard's requirements.
NUMBER OF OPENINGS (FLANGE PLATES)	4
10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS	Is the panel builder's responsibility.
COVER/DOOR MODEL	Closed
INTERNAL DEPTH	200 mm
SPECIAL FEATURES	Housing prepared for distribution board Two sides closed out two sides open Housings for e.g. built-in devices RCBO, AFDD Transparent cover with quick-release rails for snap-fitting the devices Blanking strip for unused locations Protective shroud with inscription label See W/o PE/N terminals, please order separately
COLOR	Gray
UNIT TYPE	Stand-alone device
BUILT-IN DEPTH	100 mm
FEATURES	Cover with overpressure release
10.9.3 IMPULSE WITHSTAND VOLTAGE	8 kV
10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS	Is the panel builder's responsibility.
10.5 PROTECTION AGAINST ELECTRIC SHOCK	Protection class 2, therefore not applicable.
COVER/DOOR COLOR	Transparent
SURFACE PROTECTION	Other
COVER/DOOR TYPE	Optional None Transparent
10.13 MECHANICAL FUNCTION	Meets the product standard's requirements.

10.2.6 MECHANICAL IMPACT	IK10
10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL	Meets the product standard's requirements.
10.3 DEGREE OF PROTECTION OF ASSEMBLIES	IP65
NOMINAL CURRENT	1600 A
ACCESSORY/SPARE PART TYPE	Enclosures for miniature circuit breakers
SUITABLE FOR	Outdoor use Lightning protection
NUMBER OF ROWS	3
NUMBER OF MODULE SPACE UNITS (TOTAL)	27
PROTECTION CLASS	II
WIDTH IN NUMBER OF MODULAR SPACINGS	15
HEAT DISS. AMBIENT 35°C DELTA T: 35°C WALL MOUNT STARTING ENCL. TOP (IEC 60890)	48 W
NUMBER OF CONDUIT INLETS	76
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
10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH	Ui = 1000 V AC
DEGREE OF PROTECTION	Other IK10 IP65
HEAT DISS. AMBIENT 35°C DELTA T: 20°C WALL MOUNT INDIVID. ENCL. TOP (IEC 60890)	25 W
HEAT DISS. AMBIENT 35°C DELTA T: 20°C WALL MOUNT MIDDLE ENCL. TOP (IEC 60890)	22 W
HEAT DISS. AMBIENT 35°C DELTA T: 35°C WALL MOUNT INDIVID. ENCL. TOP (IEC 60890)	51 W
10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS	Is the panel builder's responsibility.
HEAT DISS. AMBIENT 35°C DELTA T: 35°C WALL MOUNT MIDDLE ENCL. TOP (IEC 60890)	45 W
10.10 TEMPERATURE RISE	The panel builder is responsible for the temperature Eaton will provide heat dissipation data for the device
HEAT DISS. AMBIENT 35°C DELTA T: 20°C WALL MOUNT STARTING ENCL. TOP (IEC 60890)	24 W
ENCLOSURE MATERIAL	Plastic
TYPE	Enclosures for miniature circuit breakers Prepared on

	Safety Ci
10.2.2 CORROSION RESISTANCE	Meets the product standard's requirements.
10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION	Not relevant to indoor installations.
10.2.7 INSCRIPTIONS	Meets the product standard's requirements.
BASE TYPE	Partially closed, foldable
NUMBER OF MODULES	1

Brochures

Catalogs

Drawings

Installation instructions

mCAD model

045581



Eaton is an intelligent power management company dedicated to improving the quality of life and protecting the environment for people everywhere. We are guided by our commitment to do business right, to operate sustainably and to help our customers manage power — today and well into the future. By capitalizing on the global growth trends of electrification and digitalization, we’re accelerating the planet’s transition to renewable energy and helping to solve the world’s most urgent power management challenges.

