



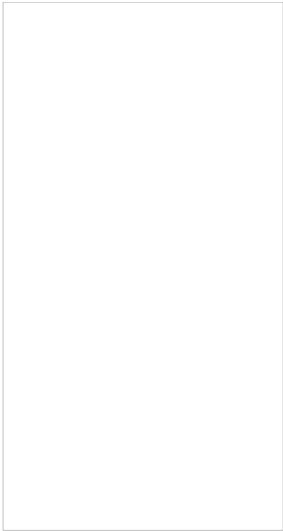
XENERGY SAFETY CI
138540


Overview


Specifications


Resources

How to



138540

Eaton xEnergy Safety Ci LV systems LV switchgear material, for molded-case circuit-breaker NZM1 size

Access the Online Catalog

GENERAL SPECIFICATIONS

General specifications



PRODUCT NAME Eaton xEnergy Safety Ci MCCB enclosure

CATALOG NUMBER 138540

Product specifications



MODEL CODE MCCB1-160/143E-200

EAN 4015081353194

PRODUCT LENGTH/DEPTH 225 mm

PRODUCT HEIGHT 250 mm

PRODUCT WIDTH 375 mm

PRODUCT WEIGHT 4.856 kg

COMPLIANCES RoHS conform

PRODUCT SPECIFICATIONS

10.11 SHORT-CIRCUIT RATING	Is the panel builder's responsibility.
10.4 CLEARANCES AND CREEPAGE DISTANCES	Is the panel builder's responsibility.
SUITABLE FOR	Emergency stop
10.12 ELECTROMAGNETIC COMPATIBILITY	Is the panel builder's responsibility.
ENCLOSURE	CI43E-200
10.2.5 LIFTING	10 kg per enclosure with support frame and lifting aid and secured as per the latest applicable instruction leaflet
VOLTAGE RATING AT AC	690 V AC
10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES	Meets the product standard's requirements.
FITTED WITH:	Transparent cover
HEAT DISS. AMBIENT 35°C DELTA T: 35°C WALL MOUNT STARTING ENCL. TOP (IEC 60890)	50 W
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
10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS	Is the panel builder's responsibility.
VOLTAGE RATING	690 V AC
10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH	U _i = 1000 V AC
DEGREE OF PROTECTION	IP65 Other
SPECIAL FEATURES	For use as individual enclosures (order insulated add-on units for 4th or 5th pole separately) or in distribution boards for connection of other equipment when connecting distribution board entry knockouts in all sides Side walls can be knocked out to other devices Galvanized sheet steel mounting plate for switches & PE and N terminal Sealable cover fastened with coupling rotary handle NZM...-XTVD and extension material for fixing material Including fixing straps for NZM...-XR, not be combined with remote operator NZM...-XR, XSV or withdrawable unit NZM...-XAV
HEAT DISS. AMBIENT 35°C DELTA T: 20°C WALL MOUNT INDIVID. ENCL. TOP (IEC 60890)	28 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)	55 W
10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS	Is the panel builder's responsibility.
UNIT TYPE	Complete housing

	Complete mounting
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.
FUNCTIONS	Prepared enclosure
10.9.3 IMPULSE WITHSTAND VOLTAGE	8 kV
HEAT DISS. AMBIENT 35°C DELTA T: 20°C WALL MOUNT STARTING ENCL. TOP (IEC 60890)	25 W
ENCLOSURE MATERIAL	Plastic
TYPE	Enclosures for circuit breakers, switch-disconnectors xEnergy Safety Ci
10.2.2 CORROSION RESISTANCE	Meets the product standard's requirements.
10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS	Is the panel builder's responsibility.
10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION	Not relevant to indoor installations.
10.2.7 INSCRIPTIONS	Meets the product standard's requirements.
10.5 PROTECTION AGAINST ELECTRIC SHOCK	Protection class 2, therefore not applicable.
USED WITH	NZM1(-4) LZM1(-4) LN1(-4) N1(-4) K95/1N... NS1 PN1(-4) K50/1 Prepared enclosures xEnergy Safety Ci Enclosures for circuit breakers, switch-disconnectors
RATED UNINTERRUPTED CURRENT (IU)	160 A
MODEL	Surface mounting
COVER/DOOR TYPE	Transparent, smoke gray, pre-drilled for door coupling
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

Catalogs

Drawings

Installation instructions

mCAD model

138540



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.