

Specifications



Eaton 138544

Eaton xEnergy Safety Ci LV systems LV switchgear. Housing, insulated material, for molded-case circuit-breaker NZM3 size, HxWxD=1000x375x225mm

General specifications

PRODUCT NAME	Eaton xEnergy Safety Ci MCCB enclosure
CATALOG NUMBER	138544
MODEL CODE	MCCB3-630/I48/I43E-200
EAN	4015081353231
PRODUCT LENGTH/DEPTH	225 mm
PRODUCT HEIGHT	1000 mm
PRODUCT WIDTH	375 mm
PRODUCT WEIGHT	14.771 kg
COMPLIANCES	RoHS conform

Additional information

FITTED WITH: Transparent cover

FUNCTIONS Prepared enclosure

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 side walls without knockouts, open at the bottom 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 material for fixing material Including fixing straps for wall mounting can not be combined with remote operator NZM...-XR, plug-in unit NZM...-XSV or withdrawable unit NZM...-XAV

SUITABLE FOR Emergency stop

USED WITH

K150/1N...
K95/1N...
NZM3(-4)
K240/1N...
K2X240/1N...
LN3(-4)
PN3(-4)
LZM3(-4)
NS3
K50/1
N3(-4)
xEnergy Safety Ci
Enclosures for circuit breakers, switch-disconnectors
Prepared enclosures

Delivery programme

MODEL Surface mounting

TYPE

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

Design verification to IEC/EN 61439

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.
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	10 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	Is the panel builder's

Technical data - electrical

RATED UNINTERRUPTED CURRENT (IU)	630 A
VOLTAGE RATING	690 V AC
VOLTAGE RATING AT AC	690 V AC

ELECTRICAL CIRCUITS AND CONNECTIONS	responsibility.
10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS	Is the panel builder's responsibility.
10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH	Ui = 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.

Technical data - mechanical

COVER/DOOR TYPE	Transparent, smoke gray, pre-drilled for door coupling rotary handle
DEGREE OF PROTECTION	Other IP65
ENCLOSURE	Ci combination of CI48-200 + CI43E-200 + STB4-CI
ENCLOSURE MATERIAL	Plastic
UNIT TYPE	Complete housing

Temperature-rise verification as per IEC 60890

**HEAT DISS. AMBIENT
35°C DELTA T: 20°C WALL
MOUNT MIDDLE ENCL.
TOP (IEC 60890)** 57 W

**HEAT DISS. AMBIENT
35°C DELTA T: 35°C WALL
MOUNT MIDDLE ENCL.
TOP (IEC 60890)** 115 W

**HEAT DISS. AMBIENT
35°C DELTA T: 20°C WALL
MOUNT INDIVID. ENCL.
TOP (IEC 60890)** 56 W

**HEAT DISS. AMBIENT
35°C DELTA T: 20°C WALL
MOUNT STARTING ENCL.
TOP (IEC 60890)** 64 W

**HEAT DISS. AMBIENT
35°C DELTA T: 35°C WALL
MOUNT INDIVID. ENCL.
TOP (IEC 60890)** 113 W

**HEAT DISS. AMBIENT
35°C DELTA T: 35°C WALL
MOUNT STARTING ENCL.
TOP (IEC 60890)** 128 W

Resources

BROCHURES	eaton-xenergy-safety-ci-subway-line-success-story-en-us.pdf
CATALOGUES	eaton-xenergy-ci-safety-catalog-ca015006en-en-us.pdf
DECLARATIONS OF CONFORMITY	eaton-empty-enclosure-declaration-of-conformity-eu250306en.pdf
DRAWINGS	eaton-enclosures-xenergy-safety-ci-enclosure-dimensions-002.eps eaton-enclosures-xenergy-safety-ci-enclosure-3d-drawing-005.eps
INSTALLATION INSTRUCTIONS	05670392.pdf eaton-xenergy-safety-ci-enclosure-brochure-br014001en-en-us.pdf
MCAD MODEL	eaton-enclosure-mcad-drawings-mccb3-630-i48-i43e-200.dwg mccb3_630_i48_i43e_200.stp

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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