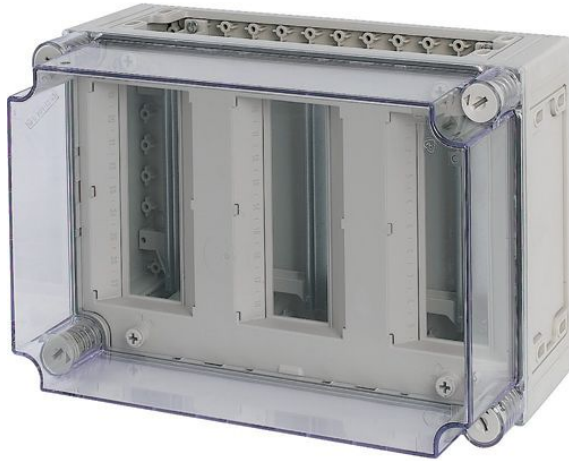


Specifications



Eaton 045581

Eaton xEnergy Safety Ci LV systems LV switchgear. MCB enclosure, IP65, mounting rail vertical, HxWxD=250x375x225mm

General specifications

PRODUCT NAME	Eaton xEnergy Safety Ci MCB enclosure
CATALOG NUMBER	045581
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

Additional information

FEATURES	Cover with overpressure release
PROTECTION CLASS	II
RAL-NUMBER	7035
SPECIAL FEATURES	Housing prepared for distribution board Two sides closed, can be folded out two sides open Housings for e.g. built-in devices MCB, RCD, RCBO, AFDD Transparent cover with quick-release fasteners Mounting rails for snap-fitting the devices Blanking strip for unused mounting locations Protective shroud with inscription label Sealable cover fasteners W/o PE/N terminals, please order separately
SUITABLE FOR	Outdoor use Lightning protection

Delivery programme

ACCESSORY/SPARE PART TYPE	Enclosures for miniature circuit breakers
COLOR	Gray
NOMINAL CURRENT	1600 A
TYPE	Enclosures for miniature circuit breakers 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

CIRCUIT INTEGRITY

Other

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

BASE TYPE	Partially closed, foldable
COVER/DOOR COLOR	Transparent
COVER/DOOR MODEL	Closed
COVER/DOOR TYPE	Optional None Transparent
DEGREE OF PROTECTION	Other IK10 IP65
ENCLOSURE MATERIAL	Plastic
NUMBER OF CONDUIT INLETS	76
NUMBER OF MODULE SPACE UNITS (TOTAL)	27
NUMBER OF MODULES	1
NUMBER OF OPENINGS (FLANGE PLATES)	4
NUMBER OF ROWS	3
PLATE THICKNESS (CABINET)	6 mm
PLATE THICKNESS (COVER/DOOR)	6 mm
SURFACE PROTECTION	Other
UNIT TYPE	Stand-alone device
WIDTH IN NUMBER OF MODULAR SPACINGS	15
BUILT-IN DEPTH	100 mm
INTERNAL DEPTH	200 mm
MOUNTING METHOD	Surface mounted (plaster)

Temperature-rise verification as per IEC 60890

**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 MIDDLE ENCL.
TOP (IEC 60890)** 45 W

**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 STARTING ENCL.
TOP (IEC 60890)** 24 W

**HEAT DISS. AMBIENT
35°C DELTA T:35°C WALL
MOUNT INDIVID. ENCL.
TOP (IEC 60890)** 51 W

**HEAT DISS. AMBIENT
35°C DELTA T:35°C WALL
MOUNT STARTING ENCL.
TOP (IEC 60890)** 48 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-insulated-boards-enclosure-xenergy-safety-ci-mcb-enclosure-dimensions-002.eps eaton-lighting-enclosure-xenergy-safety-ci-mcb-enclosure-dimensions-005.eps
INSTALLATION INSTRUCTIONS	IL015090ZU eaton-xenergy-safety-ci-enclosure-brochure-br014001en-en-us.pdf
MCAD MODEL	eaton-front-access-switchboard-mcad-drawings-av-i43-125-200.dwg av_i43_200.stp

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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