



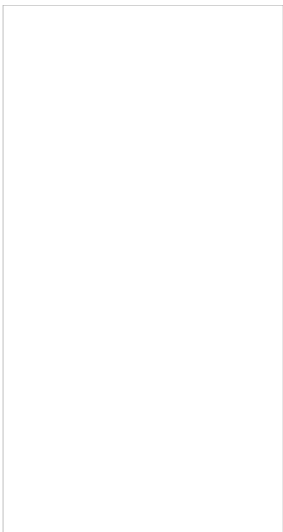
XENERGY SAFETY CI  
086385

Overview

Specifications

Resources

How to



086385

Eaton xEnergy Safety Ci LV systems LV switchgear  
gland plate and cable glands, HxWxD=250x375x225

Access the Online Catalog

GENERAL SPECIFICATIONS

General specifications



PRODUCT NAME	Eaton xEnergy Safety Ci empty enclosure insulated
CATALOG NUMBER	086385
MODEL CODE	KST43-200
EAN	4015080863854
PRODUCT LENGTH/DEPTH	225 mm
PRODUCT HEIGHT	250 mm
PRODUCT WIDTH	375 mm
PRODUCT WEIGHT	3.046 kg
COMPLIANCES	IEC/EN 60439-1, VDE 0660 Part 500 RoHS conform

Product specifications



CERTIFICATIONS

EN 61439-2

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
CREEPAGE AND CLEARANCE DISTANCES	III/3 to IEC/EN 60439-1 (standard)
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.
CABLE ENTRY TYPE	14 - 68 mm (3x)
COVER/DOOR MODEL	Closed
INTERNAL DEPTH	200 mm
MOUNTING DEPTH WITH MOUNTING PLATE	200 mm
SPECIAL FEATURES	Low-voltage fuses (IEC/EN 60269, VDE 0636) Seal Sides closed, but with full area knockout Open top supports in the distribution board with wedge-lock can be split, cables can be inserted from the front
AMBIENT OPERATING TEMPERATURE - MAX	40 °C
COLOR	Gray Light gray (RAL 7035, base) Transparent, smoky gray (cover)
UNIT TYPE	Stand-alone device
BUILT-IN DEPTH	200 mm
FEATURES	Cover with overpressure release
10.9.3 IMPULSE WITHSTAND VOLTAGE	8 kV
AMBIENT OPERATING TEMPERATURE - MIN	-5 °C

<b>10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS</b>	Is the panel builder's responsibility.
<b>10.5 PROTECTION AGAINST ELECTRIC SHOCK</b>	Protection class 2, therefore not applicable.
<b>COVER/DOOR COLOR</b>	Transparent
<b>USED WITH</b>	The reference values indicated in the table apply to the distribution board. As far as devices, terminals and enclosures are concerned, their own specific technical values apply.
<b>SURFACE PROTECTION</b>	Other
<b>COVER/DOOR TYPE</b>	Cover None
<b>10.13 MECHANICAL FUNCTION</b>	Meets the product standard's requirements.
<b>10.2.6 MECHANICAL IMPACT</b>	IK10
<b>10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL</b>	Meets the product standard's requirements.
<b>OPERATING ALTITUDE WITHOUT DERATING - MAX</b>	2000 mm
<b>10.3 DEGREE OF PROTECTION OF ASSEMBLIES</b>	IP65
<b>FLAMMABILITY CHARACTERISTICS OF GLOW ROD TEST</b>	VDE 0304 Part 3 level IIb, level IIb to IEC 60707
<b>NOMINAL CURRENT</b>	1600 A
<b>SUITABLE FOR</b>	Lightning protection Outdoor use
<b>SURFACE FINISHING</b>	Passivated Galvanized
<b>NUMBER OF ROWS</b>	0
<b>PROTECTION CLASS</b>	II
<b>WIDTH IN NUMBER OF MODULAR SPACINGS</b>	15
<b>HEAT DISS. AMBIENT 35°C DELTA T: 35°C WALL MOUNT STARTING ENCL. TOP (IEC 60890)</b>	48 W
<b>NUMBER OF CONDUIT INLETS</b>	76
<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>10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH</b>	Ui = 1000 V AC
<b>DEGREE OF PROTECTION</b>	Other IP00 (cable entry open) IP64 (KST cable entries from above) IP65

	IP65 (KST cable entries from below) IK10 IP65 (enclosure)
<b>RELATIVE HUMIDITY</b>	90 % (at 20 °C) 50 % (at 40 °C)
<b>HEAT DISS. AMBIENT 35°C DELTA T: 20°C WALL MOUNT INDIVID. ENCL. TOP (IEC 60890)</b>	25 W
<b>HEAT DISS. AMBIENT 35°C DELTA T: 20°C WALL MOUNT MIDDLE ENCL. TOP (IEC 60890)</b>	22 W
<b>HEAT DISS. AMBIENT 35°C DELTA T: 35°C WALL MOUNT INDIVID. ENCL. TOP (IEC 60890)</b>	51 W
<b>10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS</b>	Is the panel builder's responsibility.
<b>HEAT DISS. AMBIENT 35°C DELTA T: 35°C WALL MOUNT MIDDLE ENCL. TOP (IEC 60890)</b>	45 W
<b>10.10 TEMPERATURE RISE</b>	The panel builder is responsible for the temperature Eaton will provide heat dissipation data for the device
<b>FUNCTIONS</b>	Extension possible
<b>HEAT DISS. AMBIENT 35°C DELTA T: 20°C WALL MOUNT STARTING ENCL. TOP (IEC 60890)</b>	24 W
<b>ENCLOSURE MATERIAL</b>	Plastic
<b>MEAN AMBIENT OPERATING TEMPERATURE (24 HOURS)</b>	35 °C
<b>TYPE</b>	Basic enclosure Panel enclosure with gland plates for Ci
<b>10.2.2 CORROSION RESISTANCE</b>	Meets the product standard's requirements.
<b>10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION</b>	Not relevant to indoor installations.
<b>10.2.7 INSCRIPTIONS</b>	Meets the product standard's requirements.
<b>MOUNTING GRID</b>	25 mm (DIN 43660)
<b>NUMBER OF MODULES</b>	1

Brochures

Catalogs

Drawings

# Installation instructions

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086385



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.