



XENERGY SAFETY CI  
093504

  
Overview

  
Specifications

  
Resources

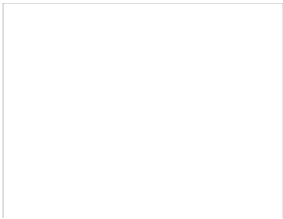
How to

093504

Eaton xEnergy Safety Ci LV systems LV switchgear  
gland plate and cable glands, HxWxD=375x375x225

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GENERAL SPECIFICATIONS

General specifications



PRODUCT NAME	Eaton xEnergy Safety Ci empty enclosure insulated
CATALOG NUMBER	093504
MODEL CODE	KST44-200
EAN	4015080935049
PRODUCT LENGTH/DEPTH	225 mm
PRODUCT HEIGHT	375 mm
PRODUCT WIDTH	375 mm
PRODUCT WEIGHT	3.4 kg
COMPLIANCES	IEC/EN 60439-1, VDE 0660 Part 500 RoHS conform
CERTIFICATIONS	EN 61439-2 EN 62208

Product specifications



PRODUCT SPECIFICATIONS

10.11 SHORT-CIRCUIT RATING	Is the panel builder's responsibility.
CIRCUIT INTEGRITY	Other
TEMPERATURE RESISTANCE	Temperature resistant: -40 °C - 120 °C (enclosure) Temperature resistant: 85 °C (enclosure bolt) Temperature resistant: 80 °C (gasket)
PLATE THICKNESS (COVER/DOOR)	6 mm
CREEPAGE RESISTANCE	KB160, KC175 (base, to IEC 60112)

	KB100, KC200 (cover, to IEC 60112)
<b>RAL-NUMBER</b>	7035
<b>CREEPAGE AND CLEARANCE DISTANCES</b>	III/3 to IEC/EN 60439-1 (standard)
<b>10.4 CLEARANCES AND CREEPAGE DISTANCES</b>	Is the panel builder's responsibility.
<b>10.12 ELECTROMAGNETIC COMPATIBILITY</b>	Is the panel builder's responsibility.
<b>PLATE THICKNESS (CABINET)</b>	6 mm
<b>MOUNTING METHOD</b>	Surface mounted (plaster)
<b>10.2.5 LIFTING</b>	20 kg per enclosure with support frame and lifting aid and secured as per the latest applicable instruction leaflet
<b>SURFACE RESISTANCE (IEC 60093)</b>	10 TΩ
<b>DIELECTRIC STRENGTH</b>	30 kV/mm
<b>10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES</b>	Meets the product standard's requirements.
<b>NUMBER OF OPENINGS (FLANGE PLATES)</b>	4
<b>10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS</b>	Is the panel builder's responsibility.
<b>CABLE ENTRY TYPE</b>	14 - 68 mm (3x)
<b>CHEMICAL RESISTANCE</b>	Partly resistant to: Acids > 10 % Not resistant to: alkalis, benzene Resistant against: acids < 10 %, mineral oil, alcohols, salt solutions
<b>COVER/DOOR MODEL</b>	Closed
<b>INTERNAL DEPTH</b>	200 mm
<b>MOUNTING DEPTH WITH MOUNTING PLATE</b>	200 mm
<b>SPECIAL FEATURES</b>	Low-voltage fuses (IEC/EN 60269, VDE 0636) Sealable Sides closed, but with full area knockout Open top for cable supports in the distribution board with wedge-lock Cable entry can be split, cables can be inserted from the front
<b>AMBIENT OPERATING TEMPERATURE - MAX</b>	40 °C
<b>COLOR</b>	Gray Light gray (RAL 7035, base) Transparent, smoky gray (cover)
<b>UNIT TYPE</b>	Stand-alone device
<b>BUILT-IN DEPTH</b>	200 mm
<b>FEATURES</b>	UV resistance beneath protective shield Cover with overpressure release
<b>10.9.3 IMPULSE WITHSTAND VOLTAGE</b>	8 kV
<b>AMBIENT OPERATING TEMPERATURE - MIN</b>	-5 °C
<b>10.6 INCORPORATION OF SWITCHING DEVICES AND</b>	

<b>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>FLAMMABILITY CHARACTERISTICS (UL)</b>	V2 (cover) (UL94) V1 (base) (UL94)
<b>SUITABLE FOR</b>	Lightning protection Outdoor use
<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>	57 W
<b>NUMBER OF CONDUIT INLETS</b>	100
<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>	IP65 (enclosure) IP64 (KST cable entries from above) IP00 (cable entry open) IP65 (KST cable entries from below) IP65 IK10 Other

<b>RELATIVE HUMIDITY</b>	50 % (at 40 °C) 90 % (at 20 °C)
<b>HEAT DISS. AMBIENT 35°C DELTA T: 20°C WALL MOUNT INDIVID. ENCL. TOP (IEC 60890)</b>	31 W
<b>HEAT DISS. AMBIENT 35°C DELTA T: 20°C WALL MOUNT MIDDLE ENCL. TOP (IEC 60890)</b>	27 W
<b>HEAT DISS. AMBIENT 35°C DELTA T: 35°C WALL MOUNT INDIVID. ENCL. TOP (IEC 60890)</b>	62 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>	53 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>MATERIAL</b>	Halogen free Glass-fibre reinforced polycarbonate (base) Non-reinforced polycarbonate (cover)
<b>FUNCTIONS</b>	Extension possible
<b>HEAT DISS. AMBIENT 35°C DELTA T: 20°C WALL MOUNT STARTING ENCL. TOP (IEC 60890)</b>	29 W
<b>SALINE SPRAY RESISTANCE</b>	IEC 60068-2-11
<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 fit 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

093504



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