



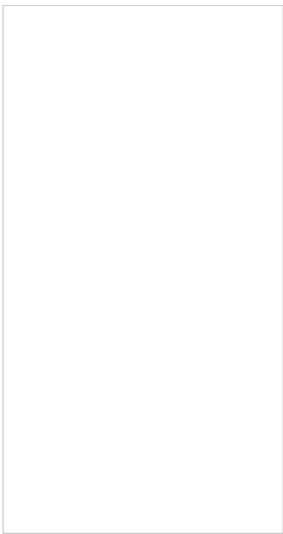
XENERGY SAFETY CI
017897


Overview


Specifications


Resources

How to



017897

Eaton xEnergy Safety Ci LV systems LV switchgear
HxWxD=375x375x175mm, IP65

Access the Online Catalog



Designed to work together

Discover other Eaton products and accessories built to enhance this product.

032151

Eaton xEnergy Safety Ci LV systems LV switchgear. Mounting frame profile, vertical, L=2000mm

036897

Eaton xEnergy Safety Ci LV systems LV switchgear. Mounting frame profile, vertical, L=2250mm

058254

Eaton xEnergy Safety Ci LV systems LV switchgear. Mounting frame profile, horizontal, L=1025mm

051135

Eaton xEnergy Safety Ci LV systems LV switchgear. Mounting frame profile, horizontal, L=650mm

View more

View less

GENERAL SPECIFICATIONS

General specifications	>	PRODUCT NAME	Eaton xEnergy Safety Ci meter enclosure rail
		CATALOG NUMBER	017897
Product specifications	>	MODEL CODE	ZG/144E-150
		EAN	4015080178972
		PRODUCT LENGTH/DEPTH	150 mm
		PRODUCT HEIGHT	375 mm
		PRODUCT WIDTH	375 mm
		PRODUCT WEIGHT	5.473 kg
		COMPLIANCES	RoHS conform
PRODUCT SPECIFICATIONS			
10.11 SHORT-CIRCUIT RATING		Is the panel builder's responsibility.	
CIRCUIT INTEGRITY		Other	
HEAT DISS. AMBIENT 35°C DELTA T:20°C FREE STAND STARTING ENCL. TOP (IEC 60890)		29 W	
PLATE THICKNESS (COVER/DOOR)		6 mm	
HEAT DISS. AMBIENT 35°C DELTA T: 20°C FREE STAND MIDDLE ENCL. TOP (IEC 60890)		27 W	
RAL-NUMBER		7035	
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		20 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.	
FITTED WITH:		Mounting plate	
NUMBER OF OPENINGS (FLANGE PLATES)		4	
10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS		Is the panel builder's responsibility.	
COVER/DOOR MODEL		Closed	
INTERNAL DEPTH		150 mm	
SPECIAL FEATURES		Meter rail to DIN 43853 including meter fixing screws	

2/5

SPECIAL FEATURES	cable entry knockouts in all sides Fixing straps for cover fasteners
COLOR	Gray
UNIT TYPE	Complete housing
BUILT-IN DEPTH	150 mm
FEATURES	Cover with overpressure release
10.9.3 IMPULSE WITHSTAND VOLTAGE	8 kV
10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS	Is the panel builder's responsibility.
10.5 PROTECTION AGAINST ELECTRIC SHOCK	Protection class 2, therefore not applicable.
COVER/DOOR COLOR	Transparent
SURFACE PROTECTION	Other
HEAT DISS. AMBIENT 35°C DELTA T: 20°C FREE STAND INDIVID. ENCL. TOP (IEC 60890)	30 W
COVER/DOOR TYPE	Transparent None Optional
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
NOMINAL CURRENT	1600 A
HEAT DISS. AMBIENT 35°C DELTA T: 35°C FREE STAND MIDDLE ENCL. TOP (IEC 60890)	55 W
ACCESSORY/SPARE PART TYPE	Meter enclosures Meter rail
HEAT DISS. AMBIENT 35°C DELTA T: 35°C FREE STAND INDIVID. ENCL. TOP (IEC 60890)	61 W
SUITABLE FOR	Lightning protection Outdoor use
HEAT DISS. AMBIENT 35°C DELTA T: 35°C FREE STAND STARTING ENCL. TOP (IEC 60890)	58 W
NUMBER OF ROWS	0
PROTECTION CLASS	II
WIDTH IN NUMBER OF MODULAR SPACINGS	15
HEAT DISS. AMBIENT 35°C DELTA T: 35°C WALL MOUNT STARTING ENCL. TOP (IEC 60890)	51 W

NUMBER OF CONDUIT INLETS	100
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
10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH	U _i = 1000 V AC
DEGREE OF PROTECTION	IP65 Other IK10
HEAT DISS. AMBIENT 35°C DELTA T: 20°C WALL MOUNT INDIVID. ENCL. TOP (IEC 60890)	27 W
HEAT DISS. AMBIENT 35°C DELTA T: 20°C WALL MOUNT MIDDLE ENCL. TOP (IEC 60890)	24 W
HEAT DISS. AMBIENT 35°C DELTA T: 35°C WALL MOUNT INDIVID. ENCL. TOP (IEC 60890)	54 W
10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS	Is the panel builder's responsibility.
HEAT DISS. AMBIENT 35°C DELTA T: 35°C WALL MOUNT MIDDLE ENCL. TOP (IEC 60890)	48 W
10.10 TEMPERATURE RISE	The panel builder is responsible for the temperature Eaton will provide heat dissipation data for the device
FUNCTIONS	Extension possible
MOUNTING DEPTH	136 mm
HEAT DISS. AMBIENT 35°C DELTA T: 20°C WALL MOUNT STARTING ENCL. TOP (IEC 60890)	26 W
ENCLOSURE MATERIAL	Plastic
TYPE	Ci insulated enclosure Meter enclosures Prepared enclosure
10.2.2 CORROSION RESISTANCE	Meets the product standard's requirements.
10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION	Not relevant to indoor installations.
10.2.7 INSCRIPTIONS	Meets the product standard's requirements.
NUMBER OF MODULES	1

Brochures

Catalogs

017897



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.