

Panel enclosure, with gland plate and cable glands,
HxWxD=375x375x225mm



Part no. **KST44-200**

093504

EL Number
(Norway)

2502345

General specifications		
Product name		Eaton xEnergy Safety Ci empty enclosure insulated
Part no.		KST44-200
EAN		4015080935049
Product Length/Depth		225 millimetre
Product height		375 millimetre
Product width		375 millimetre
Product weight		3.4 kilogram
Compliances		IEC/EN 60439-1, VDE 0660 Part 500 RoHS conform
Certifications		EN 61439-2 EN 62208
Product Tradename		xEnergy Safety Ci
Product Type		Empty enclosure
Product Sub Type		Insulated
Delivery program		
Type		Basic enclosure Panel enclosure with gland plates fitted xEnergy Safety Ci
Color		Gray Light gray (RAL 7035, base) Transparent, smoky gray (cover)
Nominal current		1600 A
Technical Data - Electrical		
Dielectric strength		30 kV/mm
Creepage resistance		KB160, KC175 (base, to IEC 60112) KB100, KC200 (cover, to IEC 60112)
Operating altitude without derating - max		2000 mm
Circuit integrity		Other
Technical Data - Mechanical		
Unit type		Stand-alone device
Surface protection		Other
Enclosure material		Plastic
Width in number of modular spacings		15
Mounting depth with mounting plate		200 mm
Mounting grid		25 mm (DIN 43660)
Mounting method		Surface mounted (plaster)
Material		Halogen free Glass-fibre reinforced polycarbonate (base) Non-reinforced polycarbonate (cover)
Degree of protection		IP65 (enclosure) IP64 (KST cable entries from above) IP00 (cable entry open) IP65 (KST cable entries from below) IP65 IK10 Other
Number of conduit inlets		100
Number of modules		1
Number of openings (flange plates)		4
Number of rows		0
Relative humidity		50 % (at 40 °C) 90 % (at 20 °C)
Built-in depth		200 mm

Internal depth		200 mm
Cable entry type		14 - 68 mm (3x)
Cover/door color		Transparent
Cover/door model		Closed
Cover/door type		Cover None
Creepage and clearance distances		III/3 to IEC/EN 60439-1 (standard)
Plate thickness (cabinet)		6 mm
Plate thickness (cover/door)		6 mm
Saline spray resistance		IEC 60068-2-11
Temperature-rise verification as per IEC 60890		
Heat diss. ambient 35°C delta T: 20°C wall mount middle encl. top (IEC 60890)		27 W
Heat diss. ambient 35°C delta T: 35°C wall mount middle encl. top (IEC 60890)		53 W
Heat diss. ambient 35°C delta T:20°C wall mount individ. encl. top (IEC 60890)		31 W
Heat diss. ambient 35°C delta T:20°C wall mount starting encl. top (IEC 60890)		29 W
Heat diss. ambient 35°C delta T:35°C wall mount individ. encl. top (IEC 60890)		62 W
Heat diss. ambient 35°C delta T:35°C wall mount starting encl. top (IEC 60890)		57 W
Design verification as per IEC/EN 61439 - technical data		
Temperature resistance		Temperature resistant: -40 °C - 120 °C (enclosure) Temperature resistant: 85 °C (enclosure bolt) Temperature resistant: 80 °C (gasket)
Ambient operating temperature - min		-5 °C
Ambient operating temperature - max		40 °C
Mean ambient operating temperature (24 hours)		35 °C
Design verification as per IEC/EN 61439		
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		20 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 electrical circuits and connections		Is the panel builder's 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.
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.
Additional information		
Features		UV resistance beneath protective shield Cover with overpressure release
Flammability characteristics (UL)		V2 (cover) (UL94) V1 (base) (UL94)
Flammability characteristics of glow rod test		VDE 0304 Part 3 level IIb, level IIb to IEC 60707
Functions		Extension possible
Protection class		II
RAL-number		7035

Special features		Low-voltage fuses (IEC/EN 60269, VDE 0636) Sealable cover fasteners Sides closed, but with full area knockout Open top Fitting of cable supports in the distribution board with wedge-lock fastener Gland plate can be split, cables can be inserted from the front
Suitable for		Lightning protection Outdoor use
Surface resistance (IEC 60093)		10
Used with		The reference values indicated in the table apply to the basic elements of the distribution board. As far as devices, terminals etc. fitted into the enclosures are concerned, their own specific technical data and rated values apply.

Technical data ETIM 9.0

Distribution boards (EG000023) / Empty cabinet (EC000058)		
Electric engineering, automation, process control engineering / Electrical installation, device / Electrical distribution system (including small distribution board) / Empty cabinet (small distribution board) (ecl@ss13-27-14-24-08 [ACN385016])		
Mounting method		Surface mounted
Type of covering		Cover
Cover model		Closed
Type of door		None
Transparent cover/door		Yes
With lock		No
Nominal current (In)	A	1600
Height	mm	375
Width	mm	375
Depth	mm	225
Built-in depth	mm	200
Inner depth	mm	200
Material plate thickness cabinet	mm	6
Material plate thickness door/cover	mm	6
Colour		Grey
RAL-number		7035
Number of modules		1
Number of rows		0
Width in number of modular spacings		15
Number of openings for flange plates		4
Extension possible		Yes
Number of conduit inlets		100
Housing material		Plastic
Surface protection		Other
With mounting plate		No
Suitable for outdoor use		Yes
Suitable for lightning protection		Yes
Degree of protection (IP)		IP65
Degree of protection (NEMA)		Other
Protection class		II
Impact strength		IK10
Circuit integrity		Other
Cover with overpressure release		Yes