

Panel enclosure, with gland plate and cable glands,  
HxWxD=250x375x225mm



Part no. **KST43-200**

**086385**

EL Number

**2502316**

(Norway)

General specifications		
Product name		Eaton xEnergy Safety Ci empty enclosure insulated
Part no.		KST43-200
EAN		4015080863854
Product Length/Depth		225 millimetre
Product height		250 millimetre
Product width		375 millimetre
Product weight		3.046 kilogram
Compliances		IEC/EN 60439-1, VDE 0660 Part 500 RoHS conform
Certifications		EN 62208 EN 61439-2
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		
Operating altitude without derating - max		2000 mm
Circuit integrity		Other
Technical Data - Mechanical		
Unit type		Stand-alone device
Surface finishing		Passivated Galvanized
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)
Degree of protection		Other IP00 (cable entry open) IP64 (KST cable entries from above) IP65 IP65 (KST cable entries from below) IK10 IP65 (enclosure)
Number of conduit inlets		76
Number of modules		1
Number of openings (flange plates)		4
Number of rows		0
Relative humidity		90 % (at 20 °C) 50 % (at 40 °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
<b>Temperature-rise verification as per IEC 60890</b>		
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
<b>Design verification as per IEC/EN 61439 - technical data</b>		
Ambient operating temperature - min		-5 °C
Ambient operating temperature - max		40 °C
Mean ambient operating temperature (24 hours)		35 °C
<b>Design verification as per IEC/EN 61439</b>		
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 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		U <sub>i</sub> = 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.
<b>Additional information</b>		
Features		Cover with overpressure release
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
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	250
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			76
Housing material			Plastic
Surface protection			Other
With mounting plate			No
Suitable for outdoor use			Yes
Suitable for lightning protection			Yes
Degree of protection (IP)			Other
Degree of protection (NEMA)			Other
Protection class			II
Impact strength			Other
Circuit integrity			Other
Cover with overpressure release			Yes