## DATASHEET - KST43-200

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



Part no.	KST43-200
	086385
EL Number	2502316
(Norway)	

## **General specifications**

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	
Туре	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
Cover/door type
Creepage and clearance distances
Plate thickness (cabinet)
Plate thickness (cover/door)
Temperature-rise verification as per IEC 60890
Heat diss. ambient 35°C delta T: 20°C wall mount middle encl. top (IEC 60890)
Heat diss. ambient 35°C delta T: 35°C wall mount middle encl. top (IEC 60890)
Heat diss. ambient 35°C delta T:20°C wall mount individ. encl. top (IEC 60890)
Heat diss. ambient 35°C delta T:20°C wall mount starting encl. top (IEC 60890)
Heat diss. ambient 35°C delta T:35°C wall mount individ. encl. top (IEC 60890)
Heat diss. ambient 35°C delta T:35°C wall mount starting encl. top (IEC 60890)
Design verification as per IEC/EN 61439 - technical data
Ambient operating temperature - min
Ambient operating temperature - max
Mean ambient operating temperature (24 hours)
Design verification as per IEC/EN 61439
10.2.2 Corrosion resistance
10.2.3.1 Verification of thermal stability of enclosures
10.2.3.2 Verification of resistance of insulating materials to normal heat
10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects
10.2.4 Resistance to ultra-violet (UV) radiation
10.2.5 Lifting
10.2.6 Mechanical impact
10.2.7 Inscriptions
10.3 Degree of protection of assemblies
10.4 Clearances and creepage distances
10.5 Protection against electric shock
10.6 Incorporation of switching devices and components
10.7 Internal electrical circuits and connections
10.8 Connections for external conductors
10.9.2 Power-frequency electric strength
10.9.3 Impulse withstand voltage
10.9.4 Testing of enclosures made of insulating material
10.10 Temperature rise
10.11 Short-circuit rating
10.12 Electromagnetic compatibility
10.13 Mechanical function
Additional information
Features
Flammability characteristics of glow rod test
Functions
Protection class
RAL-number
Special features

## **Technical data ETIM 9.0**

Basingenering automatory of each starting with each					
diantionbard (eclibes 13-27-14-24-18 (ACM 380016)) Mouning method Yoe of covering Cover model Cover model	Distribution boards (EG000023) / Empty cabinet (EC000058)				
Type doe         Coer         Coer           Coer model         Coer         Coer           Tansparent coer/dor         So         Non-           Which Coer         Non-         Non-           Noninal current (In)         Imm         So         Non-           Beigh         Imm         So         So         So           Beigh         Imm         So	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])				
Cover model         Ised         Ised           Type of door         None           Type of door         None           With bock         None           Noninal curront (In/         None           Height         Imme           None of curront (In/         Imme           Builtin dopt         Imme           Builtin dopt         Imme           Builtin dopt         Imme           Builtin dopt         Imme           Material plats thickness cabinet         Imme           All-number         Imme           Reserver         Imme           Number of modules         Imme           Number of modules         Imme           Stansion possings         Imme           Stansion possings         Imme           Stansion possings         Imme           Stansion possings         Imme           Stansion possing         Imme           Stansi	Mounting method		Surface mounted		
Type of dor         Non-           Tansparent cover/door         Soland         Soland           Min lock         Soland         Soland         Soland           Moning transmitting         Soland	Type of covering		Cover		
Tansarent cover/door Tansarent	Cover model		Closed		
WindekImage: Main set of the s	Type of door		None		
Nominal current (In)Image: A set of the s	Transparent cover/door		Yes		
Height9With1035Deph030Built-in deph030Inter deph030Matrial plat thickness cabintmm30Matrial plat thickness cabor/covermm6Raterial plat thickness cabor/covermm6Number of modular spacingsmm10Number of modular spacingsmm6Number of modular spacingmm6Suitable for utdor usemmmmSuitable for utdor usemmmm	With lock		No		
Number         Number of noodlar spacings         Number of noodlar s	Nominal current (In)	А	1600		
Dephnm25Buil-in dephnm00Material plate thickness cabinetmm6Atterial plate thickness cabinetmm6Colourmm66ColourMm6RAL-material plate thickness door/coverMm6Number of moduler spacingsMm6With in number of moduler spacingsMm10Number of moduler spacingsMm6Number of moduler spacingsMm9Sutabe for under spacingsMm9Sutabe for under spacingMmMmSutabe for under spacingMmMm	Height	mm	250		
Buil-in depth         Imm         0           Inner depth         0         0           Material plate thickness calonet         mm         6           Material plate thickness calonet         mm         6           Colour         mm         6           Colour         mm         6           Number of modules         mm         6           Number of modular spacings         mm         7           Number of modular spacings         mm         6           Number of modular spacings         mm         7           Suitable for infining protection <t< td=""><td>Width</td><td>mm</td><td>375</td></t<>	Width	mm	375		
numerednume0Material plate thickness clainetmm6Material plate thickness cloar/covermm6Colourmm6Colourmm6RAL-number703703Number of moduler spacingsmm1Number of modular spacingsmm1Number of ondular spacingsmm1Number of condult inletsmm1Number of conduit inletsmm1Number of conduit inletsmm1Number of conduit inletsmm1Number of conduit inletsmm1Sutable for lightning protectionmm1Sutable for lightning protectionmm1Sutable for lightning protectionmm1Dagree of protection (NEMA)mm1Protection classmm1Impact strengthmm1Impact strengthmm1Impact strengthmm1Impact strengthmm1Impact strengthmm1Impact strengthmm1Impact strengthmm1Impact strength </td <td>Depth</td> <td>mm</td> <td>225</td>	Depth	mm	225		
Maria lata thickness cabinet         mm         6           Material plate thickness door/cover         mm         6           Colour         rey         705           RAL-number         0         1           Number of modular spacings         1         1           With in number of modular spacings         1         1           Number of nodular spacings         1         1           Number of conduit inlets         1         1           Number of nodular spacings         1         1           Suitable for uitdoor use         1         1           Suitable for lightning protection         1         1           Protection class         1         1           Inpact strength	Built-in depth	mm	200		
Maria         Maria         G           Colour         Fey           RAL-number         705           Number of modules         1           Number of modules spacings         1           With in number of modules spacings         1           Number of noduli reparings         1           Number of conduit inlets         1           Number of conduit inlets         1           Number of routoor use         1           Suitable for lightning protection         1           Suitable for lightning protection (IP)         1           Degree of protection (NEMA)         1           Protection class         1           Impact strength         1           Circuit integrity         1	Inner depth	mm	200		
ClourGeveRAL-number703Number of modules1Number of modular spacings0Width in number of modular spacings5Number of noge of modular spacings6Number of noge of modular spacings6Suitage not exciting the space of modular space of modular space of protection (NEMA)6Degree of protection (NEMA)66Protection class66Impact strength66Impact strength66Circuit integrity66Impact strength66Impact str	Material plate thickness cabinet	mm	6		
AL-number703Number of modules0Number of modular spacings0With in number of modular spacings5Number of modular spacings15Number of modular spacings6Statission possible6Number of conduit inlets6Sundar of conduit inlets6Surface protection6Suitable for utidor use6Suitable for influing protection6Suitable for influing protection6Degree of protection (NEMA)6Protection class6Influence6Protection class6Influence6 </td <td>Material plate thickness door/cover</td> <td>mm</td> <td>6</td>	Material plate thickness door/cover	mm	6		
Number of modulesImage: Image: Im	Colour		Grey		
Number of rowsImage: Constraint of the sector o	RAL-number		7035		
Width in number of modular spacings       5         Number of openings for flange plates       4         Extension possible       Yes         Number of conduit inlets       76         Housing material       Destection         Surface protection       Ves         Suitable for outdoor use       Other         Suitable for lightning protection       Yes         Degree of protection (NEMA)       Yes         Protection class       Other         Impact strength       Other         Impact strength       Other         Surface protection (NEMA)       Other         Protection class       Other         Impact strength       Other         Surface protection (NEMA)       Other         Protection class       Other         Impact strength       Other         Surface Strength       Other	Number of modules		1		
Number of openings for flange plates         Import of conduit inleg         Import of conduit inlegs	Number of rows		0		
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 fortection (IP)       Other         Degree of protection (NEMA)       Yes         Protection class       International (International (Internationa (International (International (Internationa (Internat	Width in number of modular spacings		15		
Number of conduit inlets       6       6         Housing material       Plastic         Surface protection       0ther         With mounting plate       6       6         Suitable for outdoor use       6       5         Suitable for outdoor use       6       6         Degree of protection (NEMA)       6       6         Protection class       6       6         Impact strength       6       6         Integret strength <t< td=""><td>Number of openings for flange plates</td><td></td><td>4</td></t<>	Number of openings for flange plates		4		
Housing materialPlasticSurface protectionOtherWith mounting plateSource of protection (IP)Degree of protection (NEMA)Set Set Set Set Set Set Set Set Set Set	Extension possible		Yes		
Surface protection       Image: status of the	Number of conduit inlets		76		
With mounting plate       No         Suitable for outdoor use       Yes         Suitable for lightning protection       Yes         Degree of protection (NEMA)       Yes         Protection class       Yes         Impact strength       Yes         Circuit integrity       Yes         Degree of protection (NEMA)       Yes         Degree of protection (NEMA)       Yes         Impact strength       Yes         Impact strength       Yes         Yes       Yes	Housing material		Plastic		
Suitable for outdoor use       Yes         Suitable for lightning protection       Yes         Degree of protection (IP)       Other         Degree of protection (NEMA)       Yes         Protection class       II         Impact strength       Other         Circuit integrity       Other	Surface protection		Other		
Suitable for lightning protection     Mathematical Stream     Yes       Degree of protection (IP)     Mathematical Stream     Other       Degree of protection (NEMA)     Mathematical Stream     Other       Protection class     I     Interconcent Stream       Impact strength     Impact Stream     Other       Interconcent Stream     Impact Stream     Other	With mounting plate		No		
Degree of protection (IP)     Mer       Degree of protection (NEMA)     Mer       Protection class     II       Impact strength     Mer       Circuit integrity     Mer	Suitable for outdoor use		Yes		
Degree of protection (NEMA)     Mathematical Stream       Protection class     I       Impact strength     Impact Stream       Circuit integrity     Impact Stream	Suitable for lightning protection		Yes		
Protection class     Impact strength     Impact strength <t< td=""><td>Degree of protection (IP)</td><td></td><td>Other</td></t<>	Degree of protection (IP)		Other		
Impact strength     Impact strength       Circuit integrity     Circuit strength	Degree of protection (NEMA)		Other		
Circuit integrity Other	Protection class		II		
	Impact strength		Other		
Cover with overpressure release Yes	Circuit integrity		Other		
	Cover with overpressure release		Yes		