DATASHEET - CI23X-125



Insulated enclosure, smooth sides, HxWxD=250x187.5x150mm

Powering Business Worldwide*

Part no. CI23X-125 Catalog No. 010408

EL-Nummer (Norway) 0002502100

Delivery program

Delivery program		
Dimensions	mm	187.5
Product range		xEnergy Safety Ci
Basic function		Basic enclosures
Product function		Individual enclosures
Single unit/Complete unit		Stand-alone device
Standards		EN 62208 EN 61439-2
Degree of Protection		IP65
Description		Smooth side plates, without knockouts Sealable cover fasteners Include fixing straps for wall mounting
Colour		RAL 7035, light gray (base) Transparent, smoky gray (cover)
Width	mm	187.5
Height	mm	250
Depth	mm	150
Mounting depth with mounting plate	mm	125
Mounting depth for mounting rail 7.5 mm height	mm	117.5
Mounting depth for mounting rail 15 mm height	mm	110
Enclosure depth		
Legend for the graphic		Dimensions from top: Mounting depth with mounting plate Mounting depth for mounting rail 7.5 mm height Mounting depth for mounting rail 15 mm height Enclosure depth
Enclosure depth	mm	125 117.5 110 110
Type cover		Transparent
Model base		Plain

Technical data

General

Conoral		
Standards		EN 62208 EN 61439-2
Ambient temperature	°C	-40 - +80

Degree of Protection	IP65	
Material characteristics		
Material	glass-fibre reinforced polycarbonate (base) non-reinforced polycarbonate (cover) Halogen free	
Surface treatment	Resistant to corrosion	
Material properties		
Thermal		
Temperature resistant	-40 °C - 120 °C (enclosure) 85 °C (enclosure bolt) 80 °C (gasket)	
Chemical resistance		
Chemical resistant	Resistant against: Acids < 10 %, mineral oil, alcohol, gasoline, greases, s solutions Partly resistant to: Acids > 10 % Not resistant to: alkalis, benzene	alt
Atmospheric		
Saline spray	IEC 60068-2-11	
UV resistance	Beneath protective shield	
Flammability characteristics		
Flammability classification according to UL94	V1 (base) V2 (cover)	

Design verification as per IEC/EN 61439

Technical data for design verification			
Heat dissipation, at an ambient temperature of 35°C, delta T: 20 degrees in top of the enclosure, calculated as per IEC 60890			
Individual enclosure for wall mounting	P_{V}	W	12
Starting enclosure for wall mounting	P_{V}	W	11
Middle enclosure for wall mounting	P_{V}	W	10
Heat dissipation, at an ambient temperature of 35°C, delta T: 35 degrees in top of the enclosure, calculated as per IEC 60890			
Individual enclosure for wall mounting	P_{V}	W	24
Starting enclosure for wall mounting	P_{V}	W	22
Middle enclosure for wall mounting	P_{V}	W	20
IEC/EN 61439 design verification			
10.2 Strength of materials and parts			
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 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects			Lower part: 960 °C / cover: 850 °C; meets the product standard's requirements.
10.2.4 Resistance to ultra-violet (UV) radiation			Not relevant to indoor installations.
10.2.5 Lifting			$5\ kg$ 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 Insulation properties			
10.9.2 Power-frequency electric strength			U _i = 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.

Technical data ETIM 7.0

Distribution boards (EG000023) / Empty cabinet (EC000058)

Electric engineering, automation, process control engineering / Electrical installation, device / Electrical distribution system (incl. small distribution board) / Empty cabinet (small distribution board) (eci@ss10.01-27-14-24-08 [ACN385011])

Cover model Closed Type of door None Transparent covar/door Yes With lock None Nominal current (In) A 160 Height mm 25 Width mm 28 United mm 1875 United mm 182 United ph mm 125 United dight mm 125 United bickness cabinot mm 125 Plate thickness door/cover mm 6 RAL-number mm 6 Number of forodules mm 10 Number of forodular spacings mm 10 Width in number of modular spacings mm 10 Number of coponings for flange plates mm No Extension possible mm 10 Material bousing mm 10 Surface protection mm 10 With mounting plate mm 10 Suitable for outdoor use	board) (ecl@ss10.0.1-27-14-24-08 [ACN385011])		
Cover model Closed Type of door None Transparent covar/door Yes With lock None Nominal current (In) A 160 Height mm 25 Width mm 28 United mm 1875 United mm 182 United ph mm 125 United dight mm 125 United bickness cabinot mm 125 Plate thickness door/cover mm 6 RAL-number mm 6 Number of forodules mm 10 Number of forodular spacings mm 10 Width in number of modular spacings mm 10 Number of coponings for flange plates mm No Extension possible mm 10 Material bousing mm 10 Surface protection mm 10 With mounting plate mm 10 Suitable for outdoor use	Mounting method		Surface mounted (plaster)
Type of door Image: Covery door Image: Covery door Yes With lock No No No Nominal current (In) Mm 29 10 With the With Image: Covery door 29 10 With the With Image: Covery door 10 10 10 Bull-in depth Image: Covery door Image: Covery door 10 12 10 Plate thickness door/cover Image: Covery door 10 </td <td>Type of cover</td> <td></td> <td>Optional</td>	Type of cover		Optional
Transparent cover/door Yes With lock No Nominal current (In) A 1600 Height 20 1600 Height 50 175.5 Dopth 6m 150.5 Bull-in depth 6m 150. Heter thickness cabinet 6m 25. Plate thickness cabinet 6m 9 Plate thickness cobinet 6m 6 Colour 7m 95. All-number 7m 95. Number of modules 7m 95. Number of rows 7m 95. Within number of modular spacings 7m 96. Number of popenings for flange plates 7m 96. Within number of popenings for flange plates 7m 90. Surface protection 7m 91. 91. Material housing 7m 91. 91. Surface protection 7m 92. 92. With mounting plate 7m 92. <t< td=""><td>Cover model</td><td></td><td>Closed</td></t<>	Cover model		Closed
With lock No No Namial current (In) A 1800 Height 50 1800 Width 60 1800 1800 Width 60 1800 1800 Bullish digith 60 1800 1800 Internal depth 60 1800 1800 Plate thickness cabinet 60 1800 1800 Plate thickness door/cover 60 1800 1800 RAL-number 70 7800 7800 RAL-number of modules 1800 1800 1800 Number of rows 1800 1800 1800 Width in number of modular spacings 1800 1800 1800 Number of openings for flange plates 1800 1800 1800 Sutherial housing 1800 1800 1800 Material housing 1800 1800 1800 Surface protection 1800 1800 1800 With mounting plate 1800 1800	Type of door		None
Nominal current (In) A 600 Height nm 250 Width nm 187.5 Depth nm 150 Bull-tid depth nm 125 Internal depth nm 2 Plate thickness cabinet nm 9 Plate thickness cabinet nm 6 Colour nm 6 RAL-number nm 9 Number of modules 1 10 Number of modules spacings 1 1 Width in number of modular spacings 1 2 9 Width in number of modular spacings 1 9 1 Winther of poenings for flange plates 1 9 1 Winther of conduit inlets 1 9 1 Material housing 1 9 1 Material housing 1 9 1 With mounting plate 1 9 1 Suitable for lightning protection 1 9 1<	Transparent cover/door		Yes
Height mm 250 Width nm 187.5 Depth mm 150 Built-in depth mm 125 Internal depth mm 125 Plate thickness cabinet mm 6 Plate thickness door/cover mm 6 Colour mm 6 RAL-number mm 6 Number of modules mm 6 Number of rows mm 6 Width in number of modular spacings mm 9 Width in number of poenings for flange plates mm 9 Extension possible mm 9 9 Number of conduit inlets mm 9 1815 Material housing mm 9 1815 Surface protection mm 9 1815 With mounting plate mm 9 1815 Suitable for lightning protection mm 9 9 Degree of protection (IP) mm 9 9	With lock		No
Width mm 18.5 Depth mm 150 Built-in depth mm 125 Internal depth mm 125 Plate thickness cabinet mm 9 Plate thickness door/cover mm 6 Colour mm 6 RAL-number of modules mm 7035 Number of modules mm 1 Number of modular spacings mm 9 Width in number of modular spacings mm 9 Number of openings for flange plates mm 9 Extension possible mm 9 Number of conduit inlets mm 9 Material housing mm 9 Surface protection mm 9 With mounting plate mm 9 Suitable for injuftning protection mm	Nominal current (In)	Α	1600
Depth mm 150 Built-in depth mm 25 Internal depth mm 25 Plate thickness cabinet mm 9 Plate thickness door/cover mm 6 Colour 6 rev RAL-number 7035 7035 Number of modules 1 1 Number of modules spacings 1 9 Width in number of modular spacings 1 9 Number of openings for flange plates 1 9 Extension possible 1 9 Number of conduit inlets 1 9 Material housing 1 9 Surface protection 1 9 With mounting plate 1 9 Suitable for outdoor use 1 1 Suitable for lightning protection 1 1 Degree of protection (IP) 1 1 Degree of protection (IPMA) 1 1 Protection class 1 1 1	Height	mm	250
Built-in depth mm 125 Internal depth mm 125 Plate thickness cabinet mm 9 Plate thickness door/cover mm 6 Colour mm 6 RAL-number grey 3035 Number of modules grey 3035 Number of rows grey 1 Width in number of modular spacings grey 9 Number of penings for flange plates grey 9 Extension possible grey No Number of conduit inlets grey Plastic Surface protection grey Plastic Surface protection grey plastic With mounting plate grey plastic Suitable for outdoor use grey per Suitable for lightning protection grey per Degree of protection (IPMA) grey ples Protection class grey ples Institute of protection (IPMA) grey protection (IPMA) protection	Width	mm	187.5
Internal depth mm 125 Plate thickness cabinet mm 9 Plate thickness door/cover mm 6 Colour mm 6 RAL-number colos respective formation and unless of modules mm 10 Number of modules mm 9 10 Width in number of modular spacings pm 9 10 Winder of penings for flange plates pm 9 10 Extension possible pm 9 10 Mumber of conduit inlets pm 9 10 Muterial housing pm 9 10 Surface protection pm 9 10 With mounting plate pm 9 10 Suitable for lightning protection pm yes Suitable for lightning protection pm yes Suitable for lightning protection (IP) pm 10 Degree of protection (NEMA) pm 10 10 Protection class pm 10	Depth	mm	150
Plate thickness cabinet mm 9 Plate thickness door/cover mm 6 Colour FM Grey RAL-number Mm 7035 Number of modules Mm 9 Number of moduler spacings Mm 9 Width in number of modular spacings Mm 9 Number of depenings for flange plates Mm 9 Extension possible Mm 9 Number of conduit inlets Mm 9 Material housing Mm 9 Surface protection Mm 9 Vith mounting plate Mm 9 Suitable for outdoor use Mm Yes Suitable for lightning protection Mm Yes Degree of protection (IP) Mm 1965 Degree of protection (NEMA) Mm 1965 Protection class Mm 196 Impact strength Mm 196	Built-in depth	mm	125
Plate thickness door/cover mm 6 Colour FRAL-number Grey RAL-number 7035 Number of modules 1 1 Number of rows 0 0 Width in number of modular spacings 9 9 Number of pendular spacings for flange plates 0 0 Extension possible No No Number of conduit inlets 9 Plastic Surface protection 0 Plastic Surface protection 0 Plastic With mounting plate No No Suitable for outdoor use Yes Yes Suitable for lightning protection Yes Yes Degree of protection (IP) Yes Plastic Degree of protection (NEMA) Yes Plastic	Internal depth	mm	125
Colour Grey RAL-number 7035 Number of modules 1 Number of rows 0 Width in number of modular spacings 9 Number of penings for flange plates 0 Extension possible No Number of conduit inlets 0 Material housing Plastic Surface protection 0 With mounting plate 0 Suitable for outdoor use 0 Suitable for lightning protection 9 Degree of protection (IP) 1965 Degree of protection (NEMA) 10 Protection class 11 Input strength 10	Plate thickness cabinet	mm	9
RAL-number Number of modules Number of rows Number of rows Width in number of modular spacings Number of openings for flange plates Extension possible Number of conduit inlets Number of conduit in	Plate thickness door/cover	mm	6
Number of modules Number of rows Width in number of modular spacings Number of openings for flange plates Extension possible Number of conduit inlets Number of conduit in	Colour		Grey
Number of rows Width in number of modular spacings Number of openings for flange plates Extension possible Number of conduit inlets Number of conduit inlets Material housing Surface protection With mounting plate Suitable for outdoor use Suitable for outdoor use Suitable for protection Degree of protection (IP) Degree of protection (NEMA) Protection class In Itto	RAL-number		7035
Width in number of modular spacings9Number of openings for flange plates0Extension possibleNoNumber of conduit inlets0Material housingPlasticSurface protectionOtherWith mounting plateNoSuitable for outdoor useYesSuitable for lightning protectionYesDegree of protection (IP)IP65Degree of protection (NEMA)OtherProtection classIIInpact strengthIK10	Number of modules		1
Number of openings for flange plates Extension possible Number of conduit inlets Nuferial housing Nufferial housing Nufferial housing Nufferial housing Number of conduit inlets Number of conduit	Number of rows		0
Extension possible Number of conduit inlets Outper of protection Outper of protection (IP) Outper of protection (NEMA) Outper of pro	Width in number of modular spacings		9
Number of conduit inlets Material housing Surface protection With mounting plate With mounting plate Suitable for outdoor use Suitable for lightning protection Degree of protection (IP) Degree of protection (NEMA) Protection class Inpact strength Inpact strength O Plastic O Other Other Wes Suitable for Sightning protection Ves In Sightning protection (NEMA) It Sightning protection (NEMA) I	Number of openings for flange plates		0
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Surface protection With mounting plate With mounting plate Suitable for outdoor use Suitable for lightning protection Degree of protection (IP) Degree of protection (NEMA) Protection class Inpact strength Other Other In Management of the mounting plate Other Other It I	Number of conduit inlets		0
With mounting plateNoSuitable for outdoor useYesSuitable for lightning protectionYesDegree of protection (IP)IP65Degree of protection (NEMA)OtherProtection classIIImpact strengthIK10	Material housing		Plastic
Suitable for outdoor use Suitable for lightning protection Suegree of protection (IP) Suegree of protection (NEMA) Protection class Inpact strength Suitable for outdoor use Yes Yes IP65 Other III IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	Surface protection		Other
Suitable for lightning protection Degree of protection (IP) Degree of protection (NEMA) Protection class III Impact strength IMDEDITION OF THE PROTECTION OF THE PROTECT	With mounting plate		No
Degree of protection (IP) Degree of protection (NEMA) Protection class II Impact strength IR10 IK10	Suitable for outdoor use		Yes
Degree of protection (NEMA) Protection class II Impact strength IK10	Suitable for lightning protection		Yes
Protection class II Impact strength IK10	Degree of protection (IP)		IP65
Impact strength IK10	Degree of protection (NEMA)		Other
	Protection class		II .
Circuit integrity Other	Impact strength		IK10
	Circuit integrity		Other

Dimensions

