

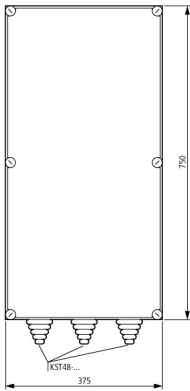


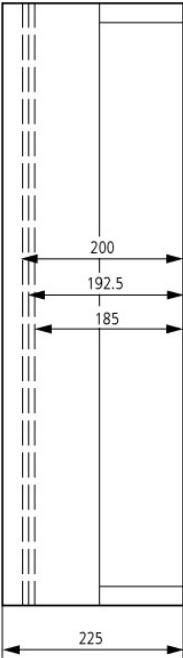
Panel enclosure, with gland plate and cable glands,
HxWxD=750x375x225mm

Part no. KST48-200
Catalog No. 098250

EL-Nummer 2502353
(Norway)

Delivery program

Product range			xEnergy Safety Ci
Basic function			Basic enclosures
Product function			Panel enclosure with gland plates fitted
Single unit/Complete unit			Stand-alone device
Standards			EN 62208 EN 61439-2
Degree of Protection			IP65
Description			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
Colour			RAL 7035, light gray (base) Transparent, smoky gray (cover)
Width		mm	375
Height		mm	750
Depth		mm	225
Mounting depth with mounting plate		mm	200
Mounting depth for mounting rail 7.5 mm height		mm	192.5
Mounting depth for mounting rail 15 mm height		mm	185
Dimensions		mm	
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	
Cable entry			3 x 14 - 68

Technical data

General

Standards			EN 62208 EN 61439-2
Ambient temperature		°C	-40 - +80
Ambient temperature			
Mean value over 24 hours		°C	35
Limit values		°C	
Ambient temperature limit value min.		°C	-5
Ambient air temperature, limit values max.		°C	40
Degree of Protection			IP65
Protection type			IP65 (Enclosure) IP65 (KST cable entries from below) IP64 (KST cable entries from above) IP00 (Cable entry open)
Components			Switchgear assembly components are type-tested. They are available individually for the self-assembly of switchgear installations, distribution boards and control panels.
Devices that can be fitted			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.
Standards			
TTA - Type Tested Assemblies			IEC/EN 60439-1, VDE 0660 Part 500
Low-voltage fuses			IEC/EN 60269, VDE 0636
Type test			VDE 0660 Part 500, IEC/EN 60439-1
Creepage and clearance distances			III/3 to IEC/EN 60439-1
Flammability characteristics - Glow rod test			VDE 0304 Part 3 level IIb, level IIb to IEC 60707
Regulation for the fire resistance tests of electrical products, their modules and components, glow wire test			VDE 0471 Part 2
Operating and ambient conditions to VDE 0660 Part 500			
Ambient temperature			
Mean value over 24 hours		°C	35
Limit values		°C	-5 ... 40
Indoor installation			
Relative humidity			90 % (at 20°C) 50% (at 40°C)
Altitude		m	Max. 2000
Protection type			IP65 (Enclosure) IP65 (KST cable entries from below) IP64 (KST cable entries from above) IP00 (Cable entry open)

Mounting grid		mm	25 (DIN 43660)
Surface finish			Galvanized Passivated

Material characteristics

Surface finish			Galvanized Passivated
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Design verification as per IEC/EN 61439

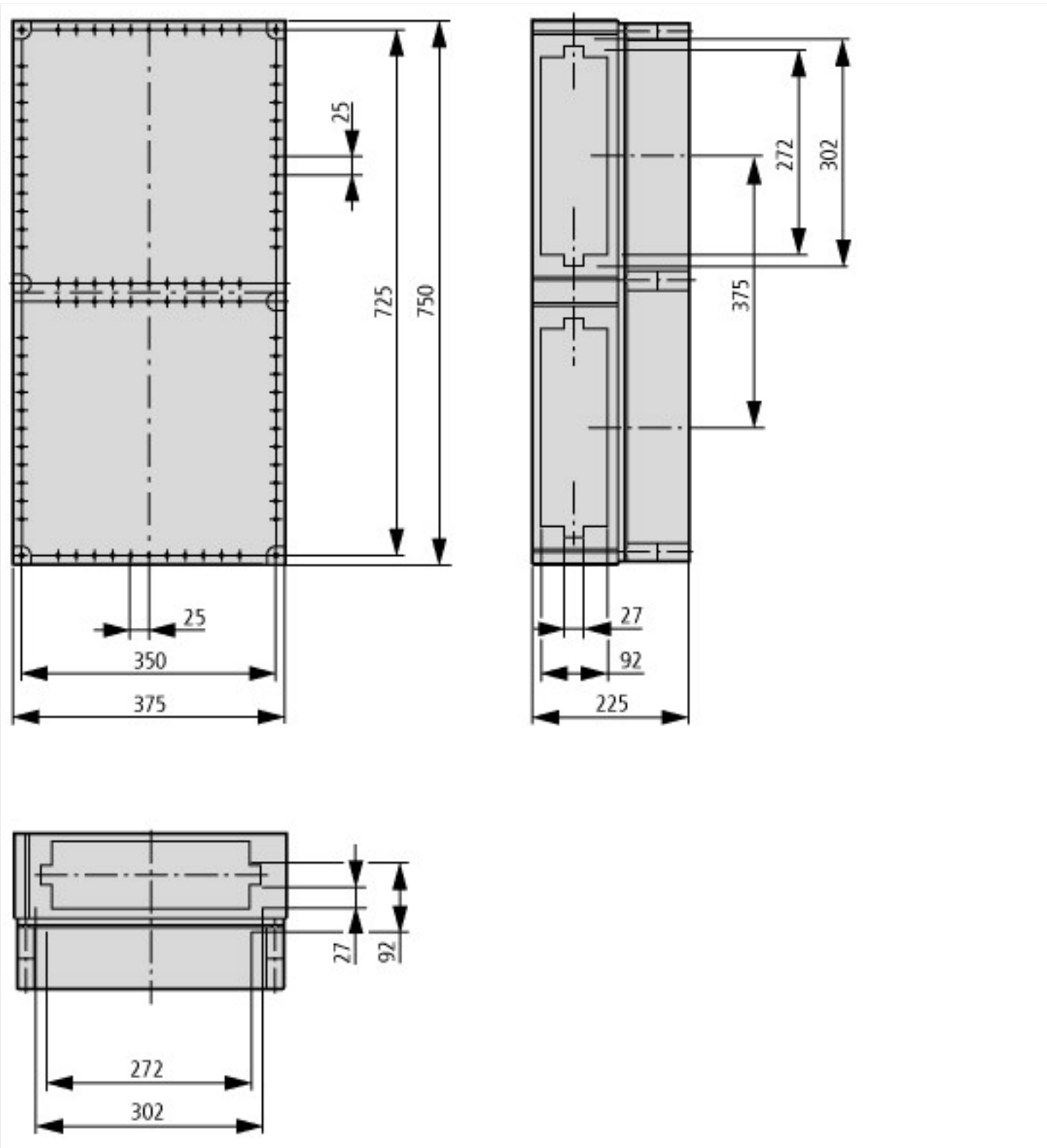
Technical data for design verification			
Heat dissipation, at an ambient temperature of 35°C, delta T: 20 degrees in top of the enclosure, calculated as per IEC 60890			
Individual enclosure for wall mounting	P _V	W	47
Starting enclosure for wall mounting	P _V	W	44
Middle enclosure for wall mounting	P _V	W	40
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	95
Starting enclosure for wall mounting	P _V	W	88
Middle enclosure for wall mounting	P _V	W	81
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			40 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@ss10.0.1-27-14-24-08 [ACN385011])			
Mounting method			Surface mounted (plaster)
Type of cover			Cover
Cover model			Closed
Type of door			None
Transparent cover/door			Yes
With lock			No
Nominal current (In)		A	1600

Height		mm	750
Width		mm	375
Depth		mm	225
Built-in depth		mm	200
Internal depth		mm	200
Plate thickness cabinet		mm	6
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			17
Number of openings for flange plates			6
Extension possible			Yes
Number of conduit inlets			0
Material housing			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

Dimensions



Additional product information (links)

http://www.eaton.eu/DE/ecm/idcplg?IdcService=GET_FILE&allowInterrupt=1&RevisionSelectionMethod=LatestReleased&noSaveAs=0&Render=1	model certification xEnergy Safety Ci
http://www.eaton.eu/DE/ecm/idcplg?IdcService=GET_FILE&allowInterrupt=1&RevisionSelectionMethod=LatestReleased&noSaveAs=0&Render=1	Save time – we assist you with expert pre-assembly
http://www.eaton.eu/DE/ecm/idcplg?IdcService=GET_FILE&allowInterrupt=1&RevisionSelectionMethod=LatestReleased&noSaveAs=0&Render=1	product information xEnergy Safety Ci
http://www.eaton.eu/DE/Europe/Electrical/CustomerSupport/ConfigurationTools/TCTool/index.htm	tool for calculating the power loss for switching device combinations
http://www.eaton.eu/DE/Europe/Electrical/CustomerSupport/ConfigurationTools/xEnergyMainSupport/index.htm	configurator - xEnergy family