

Insulated enclosure, top+bottom open, HxWxD=375x375x150mm

Powering Business Worldwide™

Part no. CI44-125 Article no. 012452

Delivery program

Derivery program		
Dimensions	mm	2375
Product range		Ci insulated enclosures
Basic function		Basic enclosures
Product function		Distribution board enclosure without cable gland plates
Single unit/Complete unit		Single unit
Degree of Protection		IP65
Description		Sealable cover fasteners Sides closed, but with full area knockout Open top and bottom
Type cover		Transparent
Width	mm	372
Height	mm	375
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	

Notes

Distribution board with/without gland plates fitted

• Cover transparent, cover fasteners can be sealed

Ci distribution board enclosure without cable gland plates

- Degree of protection IP65
- Sides closed, but with full area knockout, open top and bottom

KST distribution board enclosure with cable gland plates fitted

- Degree of protection IP65 from below
- Sides closed, but with full area knockout, open at top
 Fitting of cable supports in the distribution board with wedge-lock fastner

Technical data General

General		
Standards		IEC/EN 60529 EN 50262 DIN 43656 DIN 43660 EN 60439-4 for ClX individual enclosures with combined distribution boards from Ci enclosures up to 680 A. Can thus be used for socket combinations and as component for construction site distribution boards.
Climatic proofing		Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
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 Power loss		IP65 (Enclosure) IP65 (KST cable entries from below) IP64 (KST cable entries from above) IP00 (Cable entry open)
Max. radiated heat dissipation with separate mounting, ambient air temperature +20 °C	w	66
Max. radiated heat dissipation in distribution board combination to VDE 0660 Part 500	W	54
Notes		When calculating the heat dissipation, the quadratic relationship of current with the rated diversity factor a must be considered. $P_V = I_2 \times R$ $P_V' = P_V \times a^2$ If no data is available concerning the load relationships of the individual circuits, the rated diversity factor is selected conform to VDE 0660 Part 500.
additional technical data for UL-/CSA- approved devices		see UL-report File No. E54120
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)
Colour		
Base		RAL 7032, pebble grey

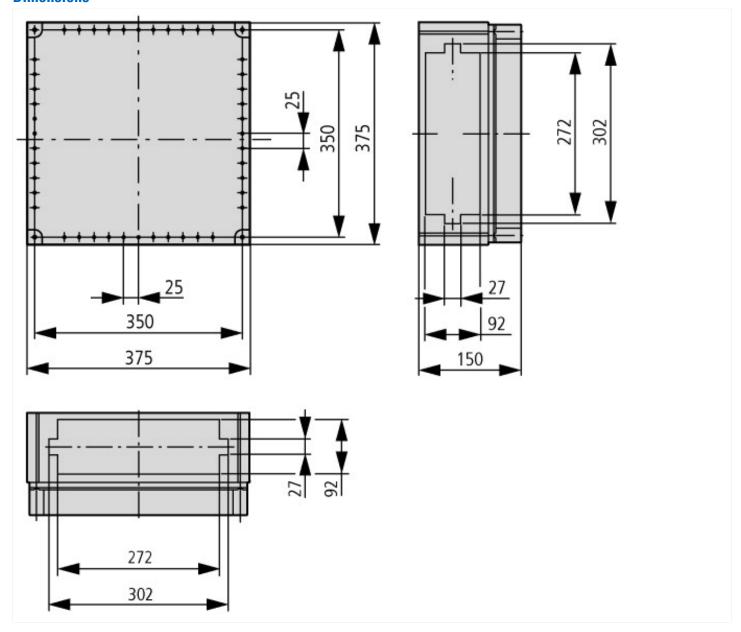
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		Chemical resistant	Partly resistant to: Acids > 10 %
Atmospheric		ospheric	
Saline spray IEC 60068-2-11		Caline spray	IEC 60068-2-11
UV resistance Beneath protective shield		JV resistance	Beneath protective shield
Water consumption to DIN EN ISO 62 % 0.29	:0 DIN EN ISO 62	Vater consumption to DIN EN ISO 62	% 0.29
Flammability characteristics	rtics	mability characteristics	
Flammability classification according to UL94 V1 (base) V2 (cover)	cation according to UL94	lammability classification according to UL94	

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, calculated as per IEC 60890			
Individual enclosure for wall mounting	P_V	CO	23
Starting enclosure for wall mounting	P_{V}	CO	22
Middle enclosure for wall mounting	P_{V}	CO	21
Heat dissipation, at an ambient temperature of 35°C, delta T: 35 degrees, calculated as per IEC 60890			
Individual enclosure for wall mounting	P_{V}	CO	47
Starting enclosure for wall mounting	P_{V}	CO	45
Middle enclosure for wall mounting	P_{V}	CO	42
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	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 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.

Dimensions



Additional product information (links)

Manufacturer's Declaration CI-RoHS

 $ftp://ftp.moeller.net/DOCUMENTATION/PDF/2013-01-31_Ci_RoHS.pdf$