DATASHEET - CI44E-200



Insulated enclosure, +knockouts, HxWxD=375x375x225mm



1/4

CI44E-200 Part no. Catalog No. 036182

EL-Nummer (Norway)

4132082

Delivery program

Demonsters Product range Basic function Product function Product function Individual enclosures Basic function Product function Individual enclosures Basic function Basic function Protection Bescription Protection Bescription Bessention Bescription Bescription Bescription Bescription Bescript	Delivery program		
Basic function Product function Single unit/Complete unit Degree of Protection Each product p	Dimensions	mm	
Product function Single unit Complete unit Degree of Protection Description De	Product range		Ci insulated enclosures
Single unit/Complete unit Degree of Protection Description Descrip	Basic function		Basic enclosures
Degree of Protection Description Descripti	Product function		Individual enclosures
Description Colour Colour Width Height Depth Mounting depth for mounting rail 75 mm height Legend for the graphic Enclosure depth Enclosure depth Five cover Wight Type cover Witth metric knockouts in all sides of the enclosure sinclude fixing straps for wall mounting straps from top: Mounting depth for mounting rail 75 mm height Enclosure depth Type cover With metric knockouts in all sides of the enclosure shall be adabated and such as a school counting straps for wall mounting straps for wall straps for wall straps for wall straps for wall mounting straps for wall straps for wall straps for wall straps from top: Mounting depth for mounting rail 75 mm height Enclosure depth Type cover Type cover	Single unit/Complete unit		Single unit
Include fixing straps for wall mounting Sealable cover fasteners Full-area knockouts in the sides can be converted to a distribution board enclosure Colour Width mm 375 Depth mm 375 Depth mm 225 Mounting depth vith mounting plate mm 200 Mounting depth for mounting rail 7.5 mm height mounting depth for mounting rail 7.5 mm height mounting depth for mounting rail 15 mm height mounting depth with mounting plate mounting depth with mounting plate mounting rail 7.5 mm height mounting depth for mounting rail 15 mm height enclosure depth Enclosure depth mounting rail 15 mm height rencounting rail 15 mm height	Degree of Protection		IP65
Width Height Depth Mounting depth with mounting plate Mounting depth for mounting rail 7.5 mm height Legend for the graphic Enclosure depth Enclosure depth Final Survey of the graphic Final Survey of the graphic of	Description		Include fixing straps for wall mounting Sealable cover fasteners Full-area knockouts in the sides
Height mm 275 Depth mm 200 Mounting depth with mounting plate mm 192.5 Mounting depth for mounting rail 7.5 mm height mm 185 Enclosure depth Legend for the graphic Dimensions from top: Mounting depth for mounting rail 15 mm height for mounting rail 15 mm height for mounting depth for mounting rail 15 mm height for mounting depth for mounting rail 15 mm height for mounting depth for mounting rail 15 mm height for mounting rail	Colour		
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Type cover Transparent	Legend for the graphic		Mounting depth with mounting plate Mounting depth for mounting rail 7.5 mm height Mounting depth for mounting rail 15 mm height
		mm	
Model base knockout			
	Model base		knockout

Notes E



1 x M50/32

2 x M40/25

8 x M25/16

2 x M20 **F**



1 x M63/

6 x M25/16

10 x M20

2 x M16

Technical data

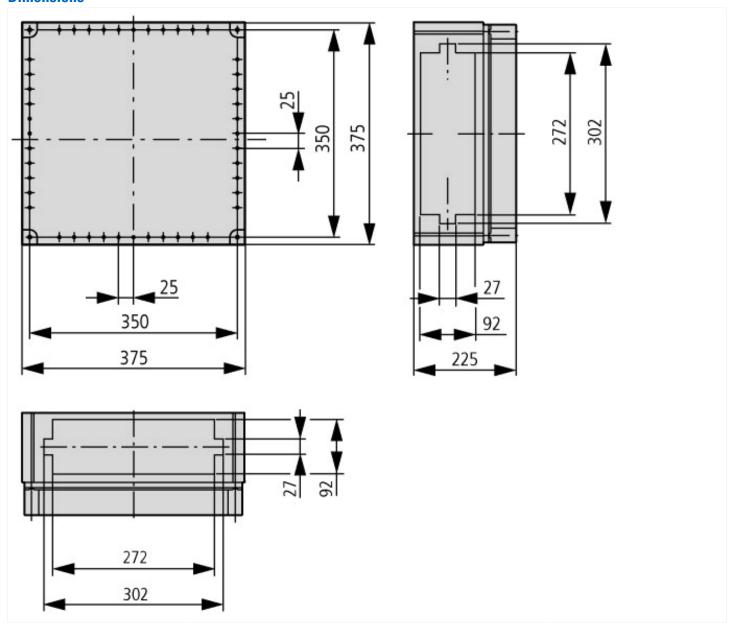
General		
Standards		IEC/EN 60529 EN 50262 DIN 43656 DIN 43660 EN 60439-4 for ClX individual enclosures with combined distribution boards from Ci enclosures up to 680 A. Can thus be used for socket combinations and as component for construction site distribution boards.
Climatic proofing		Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
Ambient temperature	°C	-40 - +80
Degree of Protection		IP65
Power loss		
Max. radiated heat dissipation with separate mounting, ambient air temperature +20 °C	W	72
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
Operating and ambient conditions to VDE 0660 Part 500		
Colour		
Base		RAL 7032, pebble grey
Housing body		Transparent, colourless or RAL 7032, pebble grey
Material characteristics		
Material		glass-fibre reinforced polycarbonate (base) non-reinforced polycarbonate (cover) Halogen free
Surface treatment		Resistant to corrosion
Colour		RAL 7032, pebble grey (base) transparent, opaque (cover)
Colour		
Base		RAL 7032, pebble grey
Housing body		Transparent, colourless or RAL 7032, pebble grey
Material properties		
Electrical		
Track resistance		KB160, KC175 (base, to IEC 60112) KB100, KC200 (cover, to IEC 60112)
Surface resistance to IEC 60093	$\Omega \times 10^{13}$	1
Dielectric strength to IEC 60243-1	kV/mm	30
Thermal		
Temperature resistant		-40 °C - 120 °C (enclosure) 85 °C (enclosure bolt) 80 °C (gasket)
Mechanical		
Impact resistance		IK10 according to EN 50102
Loading capacity	kg/m ²	20
Chemical resistance		
Chemical resistant		Resistant against: Acids < 10 %, mineral oil, alcohol, gasoline, greases, salt solutions Partly resistant to: Acids > 10 % Not resistant to: alkalis, benzene

Atmospheric		
Saline spray		IEC 60068-2-11
UV resistance		Beneath protective shield
Water consumption to DIN EN ISO 62	%	0.29
Flammability characteristics		
Flammability classification according to UL94		V1 (base) V2 (cover)

Design verification as per IEC/EN 61439

Heat dissipation, at an ambient temperature of 35°C, delta T: 20 degrees, calculated as per IEC 60890 Individual enclosure for wall mounting Pv C0 31 Starting enclosure for wall mounting Pv C0 29 Middle enclosure for wall mounting Pv C0 27 Heat dissipation, at an ambient temperature of 35°C, delta T: 35 degrees, calculated as per IEC 60890 Individual enclosure for wall mounting Pv C0 62 Starting enclosure for wall mounting Pv C0 57 Middle enclosure for wall mounting Pv C0 53				
Individual enclosure for wall mounting Py CO 31 Middle enclosure for wall mounting Py CO 27 Hear dissipation, at an ambient temperature of 35°C, data 1:35 degrees, calculated as per IEC 60889 Individual enclosure for wall mounting Py CO 62 Starting enclosure for wall mounting Py CO 53 Starting enclosure for wall mounting Py CO 53 Middle enclosure for wall mounting Py CO 54 Middle enclosure for wall mounting Py CO 55 Meets the product standard's requirements. Meets the product standard's requirements. Lower part 590°C/ cover: 850°C; meets the product standard's requirements. Lower part 590°C/ cover: 850°C; meets the product standard's requirements. INCL 102.2 Mechanical impact Middle enclosure with support frame and lifting aid met; assembled and secured as part the listest applicable instruction featlet. INCL 102.2 Mechanical impact Meets the product standard's requirements. INCL 102.2 Mechanical impact Meets the product standard's requirements. INCL 102.2 Mechanical impact is indepting aid and as part to listest applicable. INCL 102.2 Mechanical impact Meets the product standard's requirements. INCL 102.2 Mechanical impact Meets the product standard's requirements. INCL 102.2 Mechanical impact Meets the product standard's requirements. INCL 102.2 Mechanical impact is enclosured a	Technical data for design verification			
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10.7 Internal electrical circuits and connections 10.8 Connections for external conductors 10.9 Insulation properties 10.9.2 Power-frequency electric strength 10.9.3 Impulse withstand voltage 8 kV 10.9.4 Testing of enclosures made of insulating material 10.10 Temperature rise 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility Is the panel builder's responsibility.	10.5 Protection against electric shock			Protection class 2, therefore not applicable.
10.8 Connections for external conductors 10.9 Insulation properties 10.9.2 Power-frequency electric strength 10.9.3 Impulse withstand voltage 8 kV 10.9.4 Testing of enclosures made of insulating material 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility Is the panel builder's responsibility. Is the panel builder's responsibility.	10.6 Incorporation of switching devices and components			Is the panel builder's responsibility.
10.9 Insulation properties 10.9.2 Power-frequency electric strength 10.9.3 Impulse withstand voltage 8 kV 10.9.4 Testing of enclosures made of insulating material 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility U _i = 1000 V AC 8 kV Meets the product standard's requirements. The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices. 15 the panel builder's responsibility. 16 the panel builder's responsibility.	10.7 Internal electrical circuits and connections			Is the panel builder's responsibility.
10.9.2 Power-frequency electric strength 10.9.3 Impulse withstand voltage 8 kV 10.9.4 Testing of enclosures made of insulating material 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility U _i = 1000 V AC 8 kV Meets the product standard's requirements. The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices. Is the panel builder's responsibility. Is the panel builder's responsibility.	10.8 Connections for external conductors			Is the panel builder's responsibility.
10.9.3 Impulse withstand voltage 8 kV 10.9.4 Testing of enclosures made of insulating material Meets the product standard's requirements. 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.	10.9 Insulation properties			
10.9.4 Testing of enclosures made of insulating material Meets the product standard's requirements. 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.	10.9.2 Power-frequency electric strength			U _i = 1000 V AC
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.	10.9.3 Impulse withstand voltage			8 kV
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.	10.9.4 Testing of enclosures made of insulating material			Meets the product standard's requirements.
10.12 Electromagnetic compatibility Is the panel builder's responsibility.	10.10 Temperature rise			
	10.11 Short-circuit rating			Is the panel builder's responsibility.
10.13 Mechanical function Meets the product standard's requirements.	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
Declaration of conformity	ftp://ftp.moeller.net/DOCUMENTATION/PDF/ci_ce.pdf