



Housing, insulated material, for molded-case circuit-breaker NZM3 size,  
HxWxD=1000x375x225mm



Part no. **MCCB3-630/I48/I43E-200**  
Catalog No. **138544**

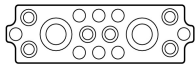
EL-Nummer  
(Norway) **2502400**

## Delivery program

Dimensions		mm	
Product range			xEnergy Safety Ci
Basic function			Prepared enclosures
Product function			Enclosures for circuit-breakers, switch-disconnectors
Single unit/Complete unit			Complete housing
Standards			EN 62208 EN 61439-2
Description			<p>For use as individual enclosures (order insulated additional terminal for 4th or 5th pole separately) or in distribution boards</p> <p>Observe the technical data of other equipment when connecting distribution boards</p> <p>side walls without knockouts, open at the bottom</p> <p>Side walls can be knocked out or fitted next to other devices</p> <p>Mounting plate pre-drilled for switches and pre-drilled for a PE and N terminal</p> <p>Mounting plate made from galvanized sheet steel</p> <p>Sealable cover fasteners</p>
Type cover			transparent, smoke gray, pre-drilled for door coupling rotary handle
Degree of Protection			IP65
Information about equipment supplied			<p>With door coupling rotary handle <b>NZM...-XTVD</b> and extension shaft</p> <p>Fixing material for fixing material</p> <p>Including fixing straps for wall mounting</p> <p>can not be combined with remote operator NZM...-XR, plug-in unit NZM...-XSV or withdrawable unit NZM...-XAV</p>
Rated operational voltage	$U_e$	V AC	690
Width		mm	375
Height		mm	1000
Depth		mm	320
Rated uninterrupted current	$I_u$	A	630
<b>For use with</b>			
Basic device			<p>NZM3(-4)</p> <p>N3(-4)</p> <p>PN3(-4)</p> <p>NS3</p> <p>LZM3(-4)</p> <p>LN3(-4)</p>
Terminals			<p>K50/1</p> <p>K95/1N...</p> <p>K150/1N...</p> <p>K240/1N...</p> <p>K2X240/1N...</p>
Basic enclosure			Ci combination of CI48-200 + CI43E-200 + STB4-CI

### Notes

C

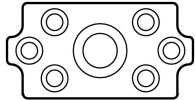


2 x M50/20

6 x M25/16

8 x M20

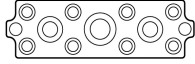
**D**



1 x M50/32

6 x M25/16

**E**



1 x M50/32

2 x M40/25

8 x M25/16

2 x M20

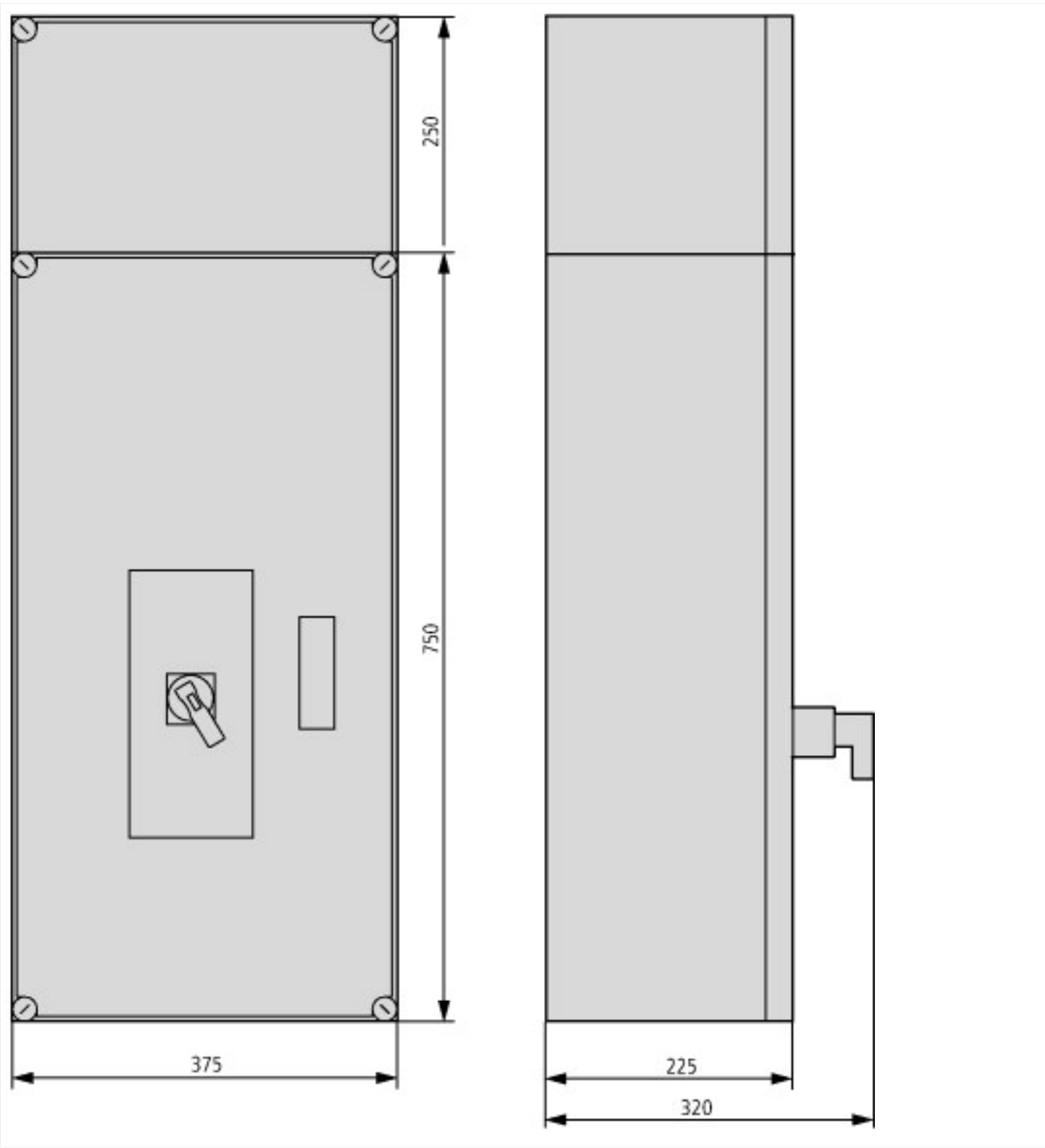
## Design verification as per IEC/EN 61439

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 <sub>V</sub>	W	56
Starting enclosure for wall mounting	P <sub>V</sub>	W	64
Middle enclosure for wall mounting	P <sub>V</sub>	W	57
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 <sub>V</sub>	W	113
Starting enclosure for wall mounting	P <sub>V</sub>	W	128
Middle enclosure for wall mounting	P <sub>V</sub>	W	115
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			10 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 <sub>i</sub> = 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

Low-voltage industrial components (EG000017) / Empty enclosure for switchgear (EC000712)			
Electric engineering, automation, process control engineering / Low-voltage switch technology / Component for low-voltage switching technology / Empty housing for switch devices (ecI@ss10.0.1-27-37-13-01 [AKN343014])			
Material housing			Plastic
Width		mm	375
Height		mm	1000
Depth		mm	320
With transparent cover			Yes
Suitable for emergency stop			Yes
Model			Surface mounting
Degree of protection (IP)			IP65
Degree of protection (NEMA)			Other

Dimensions



Additional product information (links)

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tool for calculating the power loss for switching device combinations	<a href="http://www.eaton.eu/DE/Europe/Electrical/CustomerSupport/ConfigurationTools/TCTool/index.htm">http://www.eaton.eu/DE/Europe/Electrical/CustomerSupport/ConfigurationTools/TCTool/index.htm</a>
configurator - xEnergy family	<a href="http://www.eaton.eu/DE/Europe/Electrical/CustomerSupport/ConfigurationTools/xEnergyMainSupport/index.htm">http://www.eaton.eu/DE/Europe/Electrical/CustomerSupport/ConfigurationTools/xEnergyMainSupport/index.htm</a>