

Housing, insulated material, for molded-case circuit-breaker NZM3 size,
HxWxD=500x375x225mm

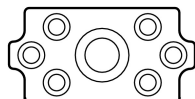
Part no. **MCCB3-400/I45E-200**
Article no. **138543**

Delivery program

Dimensions		mm	
Product range			Ci insulated enclosures
Basic function			Prepared enclosures
Product function			Enclosures for circuit-breakers, switch-disconnectors
Accessories			Enclosures for NZM... circuit-breakers/N switch-disconnectors, 3 and 4 pole
Single unit/Complete unit			Complete housing
Description			For use as individual enclosures (order insulated additional terminal for 4th or 5th pole separately #010773) or in distribution boards Observe the technical data of other equipment when connecting distribution boards Metric cable entry knockouts in all sides Exception CI48...:side walls without knockouts, bottom open Side walls can be knocked out or fitted next to other devices Mounting plate pre-drilled for switches and pre-drilled for a PE and N terminal Mounting plate made from 3mm sheet steel Sealable cover fasteners
Type cover			Transparent, predrilled
Degree of Protection			IP65
Information about equipment supplied			With door coupling rotary handle NZM...-XTVD and extension shaft Fixing material for fixing material Including fixing straps for wall mounting can not be combined with remote operator NZM...-XR, plug-in unit NZM...-XSV or withdrawable unit NZM...-XAV
Rated operational voltage	U_e	V AC	690
Width		mm	375
Height		mm	500
Depth		mm	320
Rated uninterrupted current	I_u	A	400
For use with			
Basic device			NZM3(-4) N3(-4) PN3(-4) NS3 LZM3(-4) LN3(-4)
Terminals			K50/1 K95/1N... K150/1N... K240/1N...
			Observe the short-circuit values of the individual enclosures, see chapter NZM circuit-breakers →#271522
Basic enclosure			CI45E-200

Notes

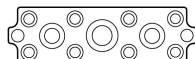
D



1 x M50/32

6 x M25/16

E

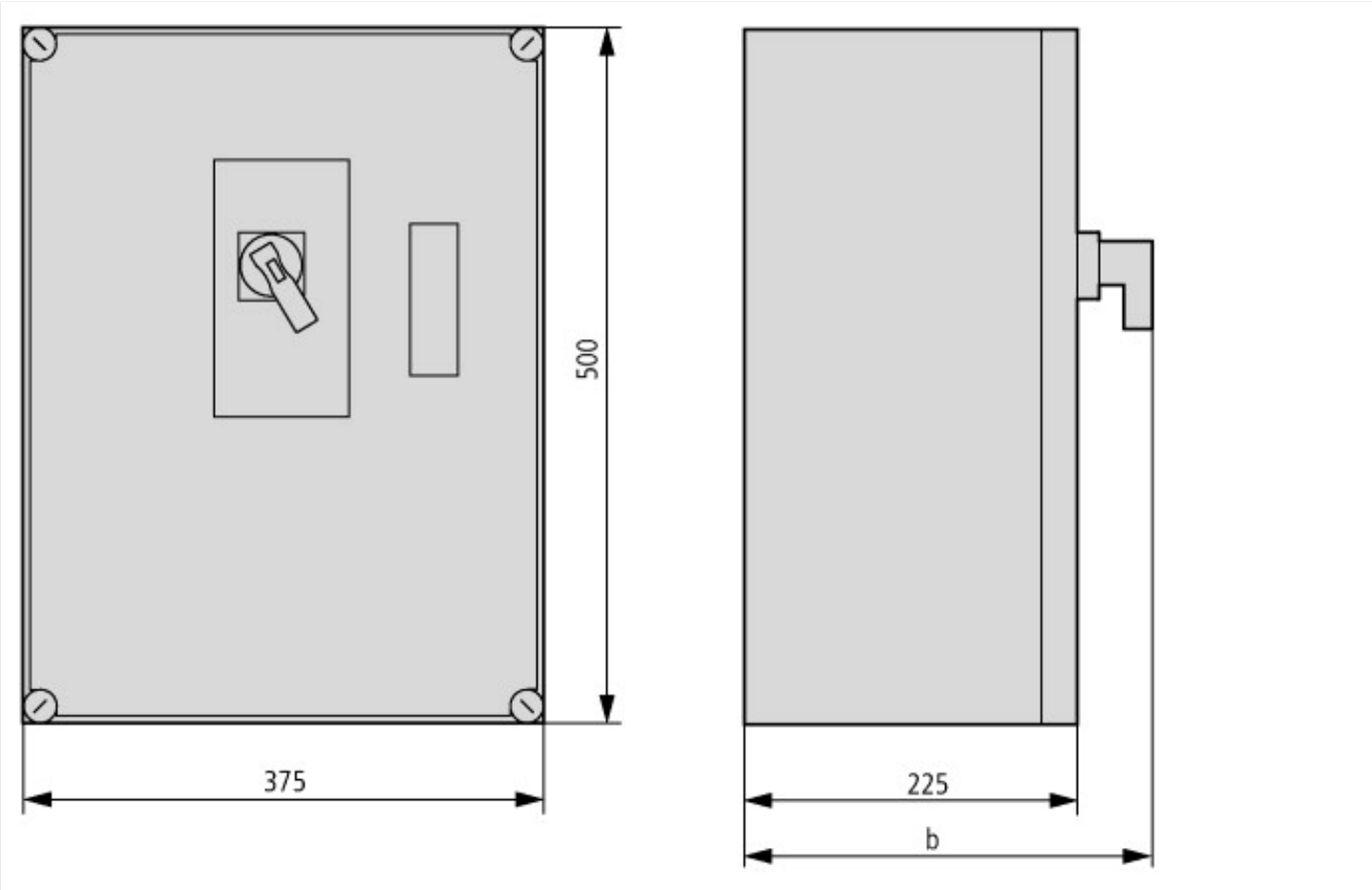


1 x M50/32	
2 x M40/25	
8 x M25/16	
2 x M20	

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, calculated as per IEC 60890			
Individual enclosure for wall mounting	P _V	CO	35
Starting enclosure for wall mounting	P _V	CO	32
Middle enclosure for wall mounting	P _V	CO	28
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	70
Starting enclosure for wall mounting	P _V	CO	63
Middle enclosure for wall mounting	P _V	CO	57
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			30 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
Declaration of conformity	ftp://ftp.moeller.net/DOCUMENTATION/PDF/ci_ce.pdf