

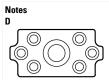
# Housing, insulated material, for molded-case circuit-breaker NZM2 size, HxWxD=500x375x225mm



Part no. MCCB2-250/I45E-200 138542 Article no.

#### **Delivery program**

Product range Sales function Product trange Sales function Sales function Single unit(Complete unit Secreption Sales function Sales	Delivery program			
Product function Product as a individual enclosures for ricruit-breakers/N swirch-disconnectors, 3 and 4 pole Product product function Prod	Dimensions		mm	
Product function  Accessories  Complete note  Complete  Complete note  Complete  Complete  Complete note  Complete  Complete  Complete  Comp	Productrange			Ci insulated enclosures
Enclosures for NZM circuit-broakers/N switch-disconnectors, 3 and 4 pole for NZM circuit-broakers/N switch-disconnectors, 3 and 4 pole for NZM circuit-broakers/N switch-disconnectors, 3 and 4 pole for use as individual enclosures (order insulated additional terminal for 4th or 5th pole separately #01073) or in distribution boards Observe the technical data of other equipment when connecting distribution boards Observe the technical data of other equipment when connecting distribution boards Observe the technical data of other equipment when connecting distribution boards Observe the technical data of other equipment when connecting distribution boards Observe the technical data of other equipment when connecting distribution boards Observe the technical data of other equipment when connecting distribution boards Observe the technical data of other equipment when connecting distribution boards Observe the technical data of other equipment when connecting distribution boards Observe the technical data of other equipment when connecting distribution boards Observe the technical data of other equipment when connecting distribution boards Observe the technical data of other equipment when connecting distribution boards Observe the technical data of other equipment when connecting distribution boards Observe the technical data of other equipment when connecting distribution boards Observe the technical data of other equipment when connecting distribution boards of the provide of the provide of the distribution boards of the provide of the provide of the distribution boards of the provide of the p	Basic function			Prepared enclosures
Complete housing   For use as individual enclosures (order insulated additional terminal for 4th or 5th pole separately 4010773) or in distribution boards observe the technical data of other equipment when connecting distribution boards observe the technical data of other equipment when connecting distribution boards observe the technical data of other equipment when connecting distribution boards observe the technical data of other equipment when connecting distribution boards observe the send pre-drilled for a PE and N terminal Mounting plate pre-drilled switches and pre-drilled for a PE and N terminal Mounting plate pre-drilled cover fasteners witches and pre-drilled for a PE and N terminal Mounting plate pre-drilled cover fasteners witches and pre-drilled for a PE and N terminal Mounting plate pre-drilled cover fasteners witches and pre-drilled for a PE and N terminal Mounting plate pre-drilled cover fasteners and pre-drilled for a PE and N terminal Mounting plate pre-drilled cover fasteners and pre-drilled for a PE and N terminal Mounting plate pre-drilled cover fasteners and pre-drilled for a PE and N terminal Mounting plate pre-drilled cover fasteners and pre-drilled for a PE and N terminal Mounting plate pre-drilled for a PE and N terminal Mounting plate pre-drilled for a PE and N terminal Notation plate pre-drilled for a PE and N terminal Notation plate pre-drilled for a PE and N terminal Notation plate pre-drilled for a PE and N terminal Notation plate pre-drilled for a PE and N terminal Notation plate pre-drilled for a PE and N terminal Notation plate pre-drilled for a PE and N terminal Notation plate pre-drilled for a PE and N terminal Notation plate pre-drilled for a PE and N terminal Notation plate pre-drilled for a PE and N terminal Notation plate pre-drilled for a PE and N terminal Notation plate pre-drilled for a PE and N terminal Notation plate pre-drilled for a PE and N terminal Notation plate pre-drilled for a PE and N terminal Notation plate pre-drilled for a PE and N terminal Notation pl	Product function			Enclosures for circuit-breakers, switch-disconnectors
Sescription  Sessible cover fasteners  Tensparent, predrilled  Tensparent, predrilled  Sessible cover fasteners  Tensparent, predrilled  Sessible cover fasteners  Tensparent, predrilled  Sessible cover fasteners  Tensparent, predrilled  Tensparent,	Accessories			Enclosures for NZM circuit-breakers/N switch-disconnectors, 3 and 4 pole
she sharted wolf protection and several teachers of the equipment when connecting distribution boards where cable entry knockouts in all sides Exception CH8side walls on the knocke out or fitted next to other devices Nounting plate pre-drilled for a PE and N terminal Nounting plate pre-drilled for a PE and N terminal Nounting plate pre-drilled for a PE and N terminal Nounting plate pre-drilled for a PE and N terminal Nounting plate pre-drilled for a PE and N terminal Nounting plate pre-drilled for a PE and N terminal Nounting plate pre-drilled for a PE and N terminal Nounting plate pre-drilled for a PE and N terminal Nounting plate pre-drilled for a PE and N terminal Nounting plate pre-drilled for a PE and N terminal Nounting plate pre-drilled for switchs and pre-drilled for a PE and N terminal Nounting plate pre-drilled for switchs and pre-drilled for a PE and N terminal Nounting Nounting Plate pre-drilled for switchs and pre-drilled for a PE and N terminal Nounting Nountin	Single unit/Complete unit			Complete housing
Pegree of Protection Information about equipment supplied Information fixing material for fixing materia	Description			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
Information about equipment supplied  Including fixing straps for wall mounting can not be combined with remote operator NZMXR, plug-in unit NZMXSV or withdrawable unit NZMXAV  Including fixing straps for wall mounting can not be combined with remote operator NZMXR, plug-in unit NZMXSV or withdrawable unit NZMXAV  Including fixing straps for wall mounting can not be combined with remote operator NZMXR, plug-in unit NZMXSV or withdrawable unit NZMXAV  Including fixing straps for wall mounting can not be combined with remote operator NZMXR, plug-in unit NZMXSV or withdrawable unit NZMXAV  Including fixing straps for wall mounting can not be combined with remote operator NZMXR, plug-in unit NZMXSV or withdrawable unit NZMXAV  Including fixing straps for wall mounting can not be combined with remote operator NZMXR, plug-in unit NZMXSV or withdrawable unit NZMXAV  Including fixing straps for wall mounting can not be combined with remote operator NZMXR, plug-in unit NZMXSV or withdrawable unit NZMXAV  Including fixing straps for wall mounting can not be combined with remote operator NZMXR, plug-in unit NZMXR, plug-in unit NZMXSV or withdrawable unit NZMXAV  Including fixing straps for wall mounting can not be combined with remote operator NZMXR, plug-in unit NZMXR, plug-in unit NZMXXV  Including fixing straps for wall mounting can not be combined with remote operator NZMXAV  Including fixing straps for wall mounting can not be combined with remote operator NZMXAV  Including fixing straps for wall mounting can not be combined with remote operator NZMXAV  Including fixing straps for wall wall wall wall wall wall wall wal	Type cover			Transparent, predrilled
Fixing material for fixing material Including fixing straps for wall mounting can not be combined with remote operator NZMXR, plug-in unit NZMXSV or withdrawable unit NZMXAV  Rated operational voltage  Width  Min 375  Min 375  Min 398.5  Min	Degree of Protection			IP65
Widthmm375Heightmm500Depthmm298.5Bated uninterrupted currentIuA250For use withNZM2(-4) NZ(-4) PN2(-4) NS2 LZM2(-4) LN2(-4)NZM2(-4) NS2 LZM2(-4) LN2(-4)TerminalsK10/1 K25/1 K50/1 K50/1 K50/1 K50/1N K150/1N K150/1NK10/1 K25/1 K50/1 K50/1 K50/1 K50/1N K150/1NCharacteristic of the individual enclosures, see chapter NZM circuit-breakers →#271522	Information about equipment supplied			Fixing material for fixing material Including fixing straps for wall mounting can not be combined with remote operator NZMXR, plug-in unit NZMXSV or
Height 900 mm 900 98.5 Rated uninterrupted current 1 u A 250  For use with	Rated operational voltage	U <sub>e</sub>	V AC	690
Depth mm 298.5 Rated uninterrupted current lu A 250  For use with  Basic device	Width		mm	375
Rated uninterrupted current  Iu A 250  For use with  Basic device  NZM2(-4) N2(-4) PN2(-4) NS2 LZM2(-4) LN2(-4) LN2(-4	Height		mm	500
Basic device  NZM2(-4) N2(-4) PN2(-4) PN2(-4) LZM2(-4) LZM2(-4) LN2(-4) LN2(-	Depth		mm	298.5
Basic device    NZM2(-4)	Rated uninterrupted current	l <sub>u</sub>	Α	250
K25/1 K50/1 K95/1N K95/1N K150/1N  Observe the short-circuit values of the individual enclosures, see chapter NZM circuit-breakers →#271522	For use with  Basic device			N2(-4) PN2(-4) NS2 LZM2(-4)
circuit-breakers →#271522	Terminals			K25/1 K50/1 K95/1N
Basic enclosure C145E-200				
	Basic enclosure			C145E-200



1 x M50/32

6 x M25/16 **E** 



1 x M50/3

2 x M40/25

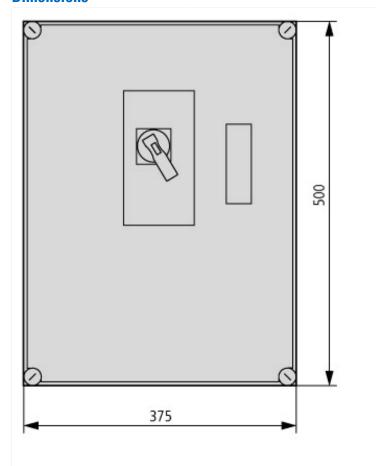
8 x M25/16

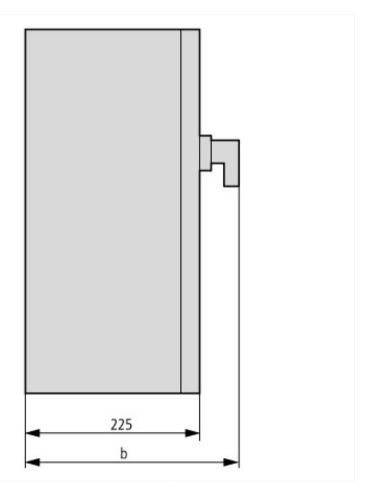
2 x M20

### Design verification as per IEC/EN 61439

boolgii vormoution do por 120/211 or 100			
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	28
Starting enclosure for wall mounting	$P_{V}$	CO	25
Middle enclosure for wall mounting	$P_{V}$	CO	22
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	55
Starting enclosure for wall mounting	P <sub>V</sub>	CO	50
Middle enclosure for wall mounting	$P_{V}$	CO	45
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.
$10.2.3.3\mbox{Verification}$ 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 <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.

#### **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