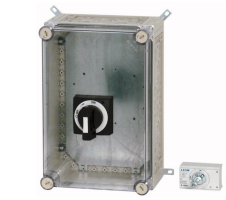
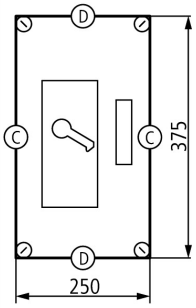


# Housing, insulated material, for molded-case circuit-breaker NZM1 size, HxWxD=375x250x175mm

**Part no.** MCCB1-125/I43E-150
**Article no.** 138539

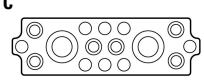
## Delivery program

| | | | |
|---|---|---|---|
| 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<br>Observe the technical data of other equipment when connecting distribution boards<br>Metric cable entry knockouts in all sides<br>Exception CI48…:side walls without knockouts, bottom open<br>Side walls can be knocked out or fitted next to other devices<br>Mounting plate pre-drilled for switches and pre-drilled for a PE and N terminal<br>Mounting plate made from 3mm sheet steel<br>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<br>Fixing material for fixing material<br>Including fixing straps for wall mounting<br>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 | 250 |
| Height | | mm | 375 |
| Depth | | mm | 248.5 |
| Rated uninterrupted current | $I_u$ | A | 125 |

## For use with

| | | | |
|---|---|---|---|
| Basic device | | | NZM1(-4)<br>N1(-4)<br>PN1(-4)<br>NS1<br>LZM1(-4)<br>LN1(-4) |
| Terminals | | | K10/1<br>K25/1<br>K50/1<br>K95/1N… |
| | | | Observe the short-circuit values of the individual enclosures, see chapter NZM circuit-breakers →#271522 |
| Basic enclosure | | | CI43E-150 |

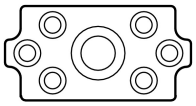
**Notes**
**C**



2 x M50/20

6 x M25/16

8 x M20
**D**



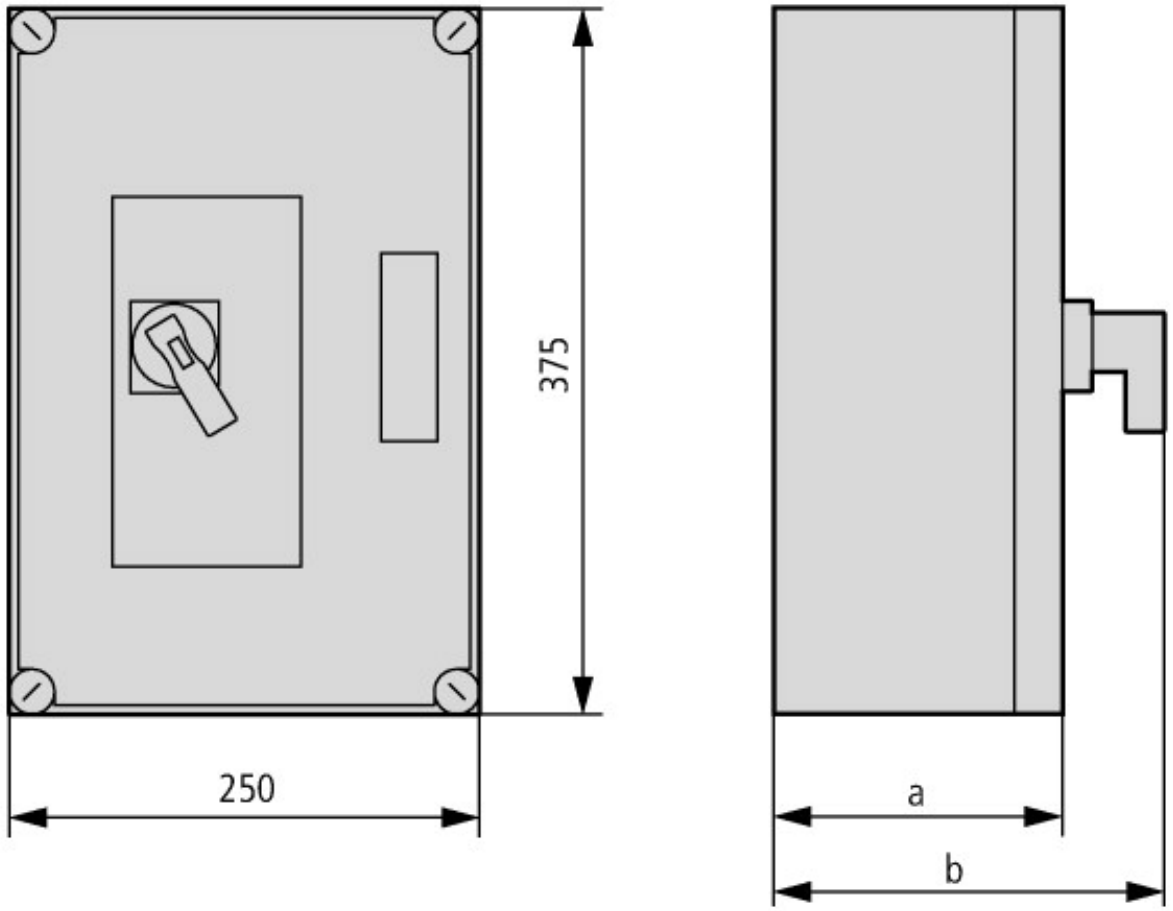
1 x M50/32

6 x M25/16

## 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 | 25 |
| Starting enclosure for wall mounting | $P_V$ | CO | 23 |
| Middle enclosure for wall mounting | $P_V$ | CO | 20 |
| 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 | 49 |
| Starting enclosure for wall mounting | $P_V$ | CO | 45 |
| Middle enclosure for wall mounting | $P_V$ | CO | 41 |
| 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 | | | $U_i$ = 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 |