# Dimensions and connection

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Dimensions and connection

NT06 to NT16 circuit breakers
Fixed 3/4-pole device

Dimensions

Bottom mounting (on base plate or rails)  Rear mounting detail (on upright or backplate)

Safety clearances  Door cutout  Rear panel cutouts

<table>
<thead>
<tr>
<th>Insulated parts</th>
<th>Metal parts</th>
<th>Energised parts</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>B</td>
<td>0</td>
<td>60</td>
</tr>
</tbody>
</table>

(1) Without escutcheon
(2) With escutcheon

Note:
X and Y are the symmetry planes for a 3-pole device.
A(*) An overhead clearance of 50 mm is required to remove the arc chutes.
An overhead clearance of 20 mm is required to remove the terminal block.

F: Datum.
Connections

Horizontal rear connection

Vertical rear connection

Front connection

Note:
Recommended connection screws: M10 class 8.8
Tightening torque: 50 Nm with contact washer
Dimensions and connection

NT06 to NT16 circuit breakers
Fixed 3/4-pole device

Connection

Front connection with spreaders

Rear connection with spreaders

Spreader detail

Middle left or middle right spreader for 4P

Middle spreader for 3P

Left or right spreader for 4P

Left or right spreader for 3P

Note:

X and Y are the symmetry planes for a 3-pole device.

View A detail

Datum
Connections

Front connection via vertical connection adapters

![Diagram showing front connection via vertical connection adapters](image)

**Note:**
Recommended connection screws: **M10 class 8.8**
Tightening torque: **50 Nm with contact washer**

(1) 2 connection possibilities on vertical connection adapters (21 mm between centres)
**Dimensions**

**Dimensions and connection**

**NT06 to NT16 circuit breakers**

**Drawout 3/4-pole device**

---

**Bottom mounting (on base plate or rails)**

**Rear mounting detail**

(1) Without escutcheon
(2) With escutcheon

*Note:*

X and Y are the symmetry planes for a 3-pole device.

---

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<td>0</td>
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<tr>
<td>C</td>
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F: Datum.
Connections

Horizontal rear connection

Vertical rear connection

Front connection

Note:
Recommended connection screws: M10 class 8.8
Tightening torque: 50 Nm with contact washer
**Dimensions and connection**

**NT06 to NT16 circuit breakers**

**Drawout 3/4-pole device**

**Connection**

**Front connection with spreaders**

![Front connection diagram]

**Rear connection with spreaders**

- **Middle left or middle right spreader for 4P**
- **Middle spreader for 3P**
- **Left or right spreader for 4P**
- **Left or right spreader for 3P**

**View A detail**

**Note:**

X and Y are the symmetry planes for a 3-pole device.
Connections

Front connection via vertical connection adapters fitted with bare cable connectors.

Note:
Recommended connection screws: M10 class 8.8
Tightening torque: 50 Nm with contact washer
Dimensions and connection

NW08 to NW32 circuit breakers
Fixed 3/4-pole device

Dimensions

Mounting on base plate or rails

Mounting detail

Safety clearances

Door cutout

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(1) Without escutcheon
(2) With escutcheon

Note:
X and Y are the symmetry planes for a 3-pole device.
A(*) An overhead clearance of 110 mm is required to remove the arc chutes.
An overhead clearance of 20 mm is required to remove the terminal block.

F: Datum.
Connections

**Horizontal rear connection**

Note:
Recommended connection screws: **M10** class 8.8
Tightening torque: **50 Nm** with contact washer

---

**Vertical rear connection**

---

**Front connection**

---
dimensions and connection

nw08 to nw32 circuit breakers
drawout 3/4-pole device

dimensions

(*) disconnected position

mounting on base plate or rails

mounting detail

safety clearances

door cutout

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<th></th>
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<th>energised parts</th>
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(1) without escutcheon
(2) with escutcheon

note:
x and y are the symmetry planes for a 3-pole device.
a(*) an overhead clearance of 110 mm is required to remove the arc chutes.

datum.
**Connections**

**Horizontal rear connection**

- **Detail**

**Vertical rear connection**

- **Detail**

**Front connection**

- **Detail**

**Note:**
Recommended connection screws: M10 class 8.8
Tightening torque: 50 Nm with contact washer
Dimensions

NW40 circuit breakers
Fixed 3/4-pole device

Dimensions

Mounting on base plate or rails

Mounting detail

Safety clearances

Door cutout

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(1) Without escutcheon
(2) With escutcheon

Note:
X and Y are the symmetry planes for a 3-pole device.
A(*) An overhead clearance of 110 mm is required to remove the arc chutes.
An overhead clearance of 20 mm is required to remove the terminal block.
Connections

Horizontal rear connection

Note:
Recommended connection screws: M10 class 8.8
Tightening torque: 50 Nm with contact washer
**Dimensions**

NW40 circuit breakers

Drawout 3/4-pole device

**Dimensions**

(1) Without escutcheon
(2) With escutcheon

**Mounting on base plate or rails**

**Mounting detail**

**Safety clearances**

**Door cutout**

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</table>

:F: Datum.

*X* and *Y* are the symmetry planes for a 3-pole device.

The safety clearances take into account the space required to remove the arc chutes.
Connections

Horizontal rear connection

Note: Recommended connection screws: M10 class 8.8
Tightening torque: 50 Nm with contact washer

Vertical rear connection

View A detail
Dimensions and connection

NW40b to NW63 circuit breakers
Fixed 3/4-pole device

Dimensions

Mounting on base plate or rails

Mounting detail

Safety clearances

Door cutout

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(1) Without escutcheon
(2) With escutcheon

Note:
X and Y are the symmetry planes for a 3-pole device.
A(*) An overhead clearance of 110 mm is required to remove the arc chutes.
An overhead clearance of 20 mm is required to remove the terminal block.

F: Datum
Connections

Horizontal rear connection (NW40b - NW50)

Prises arrière verticales (NW40b - NW50)

Vertical rear connection (NW63)

Note:
Recommended connection screws: M10 s/s class A4 80
Tightening torque: 50 Nm with contact washer.
NW40b to NW63 circuit breakers
Drawout 3/4-pole device

Dimensions and connection

Dimensions

Mounting on base plate or rails

Mounting detail

Safety clearances

Door cutout

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</tbody>
</table>

(*) Disconnected position

F: Datum.

Note:
- X and Y are the symmetry planes for a 3-pole device.

(1) Without escutcheon
(2) With escutcheon

Note:
Connections

Horizontal rear connection (NW40b - NW50)

Vertical rear connection (NW40b - NW50)

Vertical rear connection (NW63)

Note:
Recommended connection screws: M10 s/s class A4 80
Tightening torque: 50 Nm with contact washer
Mounting on backplate with special brackets (Masterpact NW08 to NW32 fixed).

Disconnectable front-connection adapter (Masterpact NW08 to NW32 fixed)

<table>
<thead>
<tr>
<th>Horizontal rear connection</th>
<th>Detail</th>
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<tbody>
<tr>
<td><img src="image1" alt="Horizontal rear connection diagram" /></td>
<td><img src="image2" alt="Horizontal rear connection detail" /></td>
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<table>
<thead>
<tr>
<th>Vertical rear connection</th>
<th>Detail</th>
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<tr>
<td><img src="image3" alt="Vertical rear connection diagram" /></td>
<td><img src="image4" alt="Vertical rear connection detail" /></td>
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</table>

**Note:**
Recommended connection screws: **M10** class 8.8
Tightening torque: **50 Nm** with contact washer

Datum
Rear panel cutout (drawout devices)

NW08 to NW40

NW40b to NW63

Escutcheons

Masterpact NT

Fixed device

Drawout device

Masterpact NW

Fixed device

Drawout device

Datum
Dimensions and connection

NT/NW external modules

Connection of auxiliary wiring to terminal block

M6C relay module

External power supply module (AD)

Battery module (BAT)

Mounting

One conductor only per connection point

Dimensions

S : 0,6 mm²
S : 2,5 mm²

One conductor only per connection point
Delay unit for MN release
MNR

“Cradle” communication module
ModBUS  Batibus

External sensor for source ground return (SGR) protection
Sensor  “MGDF summer” module
External sensor for external neutral

Dimensions

<table>
<thead>
<tr>
<th>Model</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>400/1600 A (NT06 to NT16)</td>
<td>4 Ø14, 35 76, 177 208</td>
</tr>
<tr>
<td>400/2000 A (NW08 to NW20)</td>
<td>4 Ø14, 44 102, 174 206</td>
</tr>
<tr>
<td>1000/4000 A (NW025 to NW40)</td>
<td>8 Ø14, 174 295</td>
</tr>
<tr>
<td>2000/6300 A (NW40b to NW63)</td>
<td>16 Ø14, 174 295</td>
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Installation

<table>
<thead>
<tr>
<th>Model</th>
<th>Installation</th>
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<tr>
<td>400/1600 A (NT06 to NT16)</td>
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</tr>
<tr>
<td>400/2000 A (NW08 to NW20)</td>
<td></td>
</tr>
<tr>
<td>1000/4000 A (NW025 to NW40)</td>
<td></td>
</tr>
<tr>
<td>2000/6300 A (NW40b to NW63)</td>
<td></td>
</tr>
</tbody>
</table>

2 identical external sensor shipped as loosed part
### Rectangular sensor for earth leakage protection (Vigi)

**280 x 115 mm window**

- Diagram of the sensor for earth leakage protection.

**470 x 160 mm window**

- Diagram of the sensor for earth leakage protection.

### Busbars path

#### 280 x 115 window

- Busbars spaced 70 mm centre-to-centre
  - 2 bars 50 x 10

#### 470 x 160 window

- Busbars spaced 115 mm centre-to-centre
  - 4 bars 100 x 5
  - 2 bars 100 x 5
  - 4 bars 125 x 5

### Busbars

<table>
<thead>
<tr>
<th>Window (mm)</th>
<th>I ≤ 1600 A</th>
<th>I ≤ 3200 A</th>
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<tbody>
<tr>
<td>280 x 115</td>
<td>280 x 115</td>
<td>470 x 160</td>
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<tr>
<td>Weight (kg)</td>
<td>14</td>
<td>18</td>
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