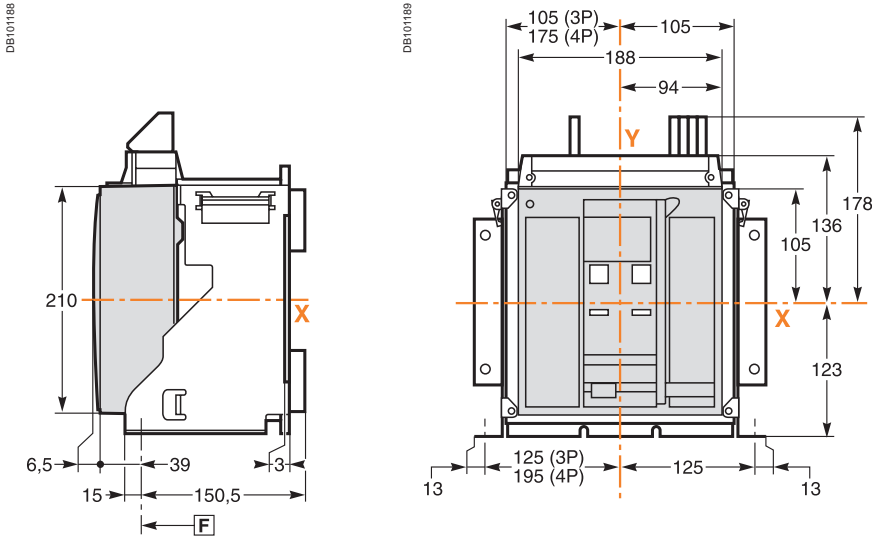


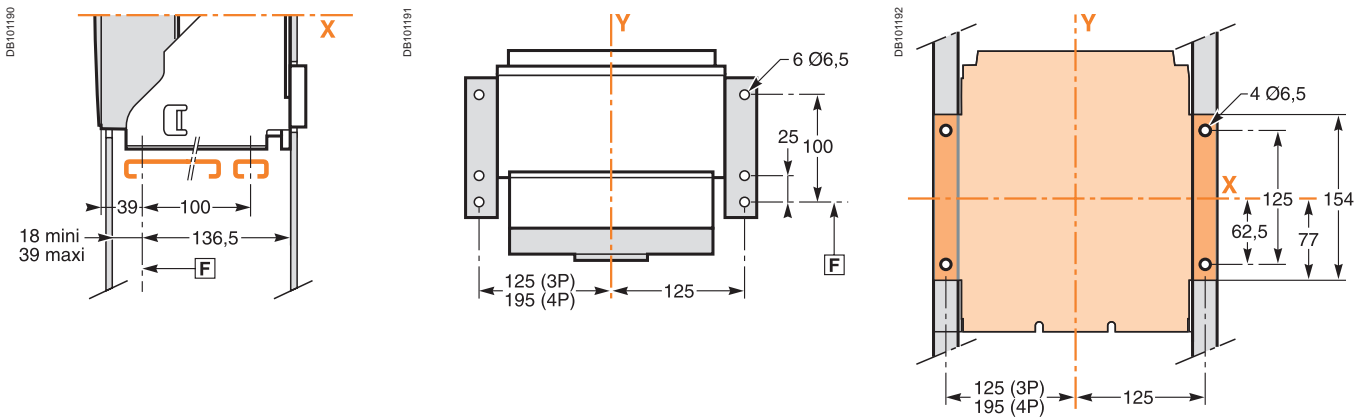
<i>Presentation</i>	3
<i>Functions and characteristics</i>	A-1
<i>Installation recommendations</i>	B-1
<hr/>	
NT06 to NT16 circuit breakers	
Fixed 3/4-poles device	C-2
Drawout 3/4-poles device	C-6
<hr/>	
NW08 to NW32 circuit breakers	
Fixed 3/4-poles device	C-10
Drawout 3/4-poles device	C-12
<hr/>	
NW40 circuit breakers	
Fixed 3/4-poles device	C-14
Drawout 3/4-poles device	C-16
<hr/>	
NW40b to NW63 circuit breakers	
Fixed 3/4-poles device	C-18
Drawout 3/4-poles device	C-20
<hr/>	
NT/NW accessories	C-22
<hr/>	
NT/NW external modules	C-24
<hr/>	
<i>Electrical diagrams</i>	D-1
<i>Additional characteristics</i>	E-1
<i>Catalogue numbers and order form</i>	F-1

Dimensions



Bottom mounting (on base plate or rails)

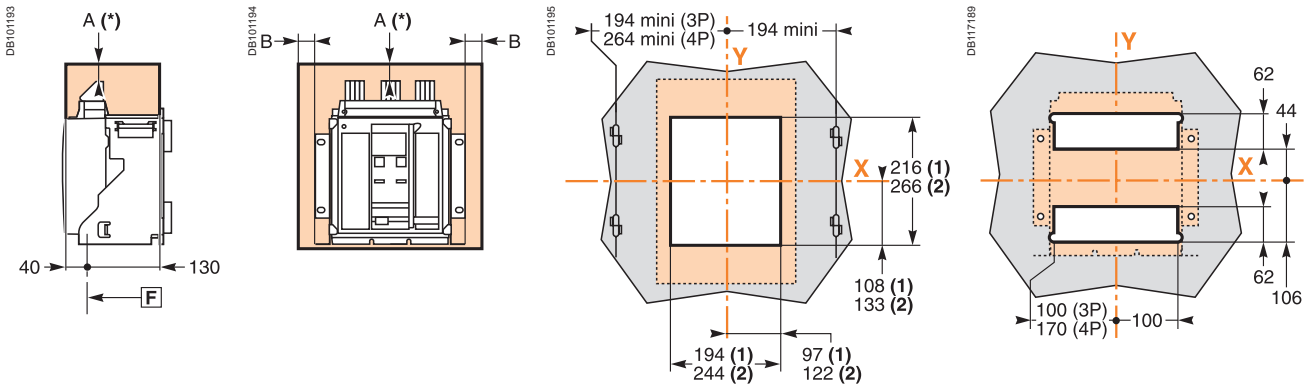
Rear mounting detail (on upright or backplate)



Safety clearances

Door cutout

Rear panel cutout



For voltages < 690 V

	Parts Insulated	Metal	Energised
A	0	0	100
B	0	0	60

For 1000 V

	Parts Insulated	Metal	Energised
A	0	100	500 ⁽³⁾
B	0	50	100 ⁽³⁾

F: datum.

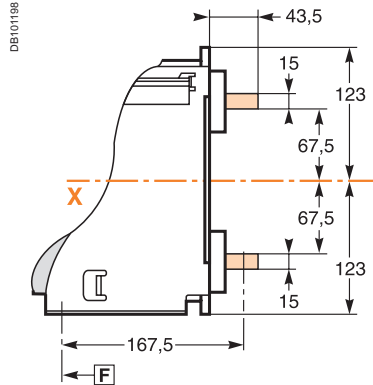
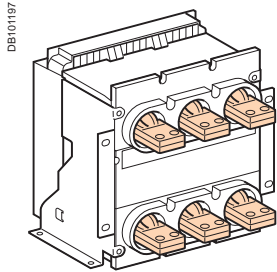
(1) Without escutcheon.
(2) With escutcheon.

(3) With a minimum distance between bars of 65 mm (A and B) if the bars are not insulated.

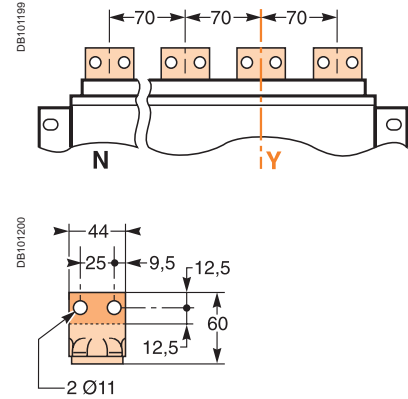
Note: X and Y are the symmetry planes for a 3-pole device.
A(*) An overhead clearance of 50 mm is required to remove the arc chutes.
An overhead clearance of 20 mm is required to remove the terminal block.

Connections

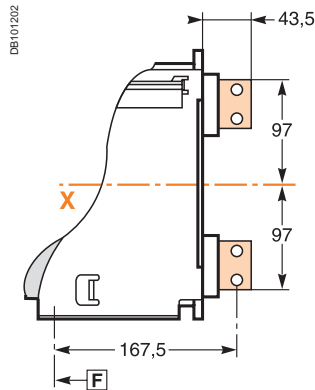
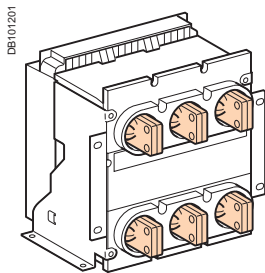
Horizontal rear connection



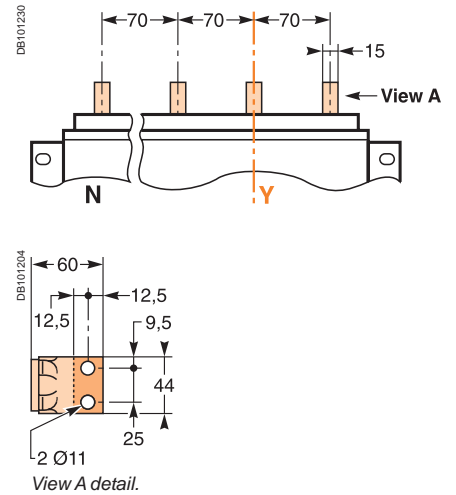
Detail



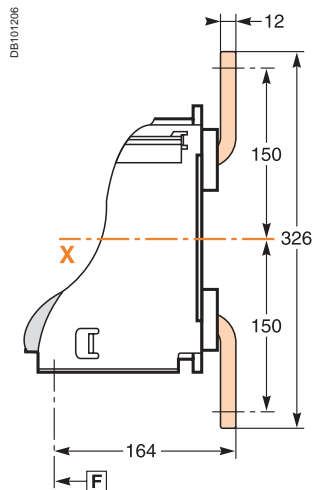
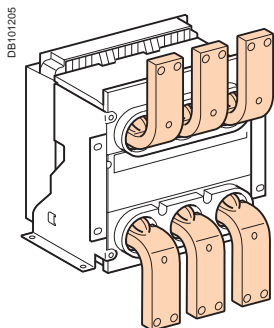
Vertical rear connection



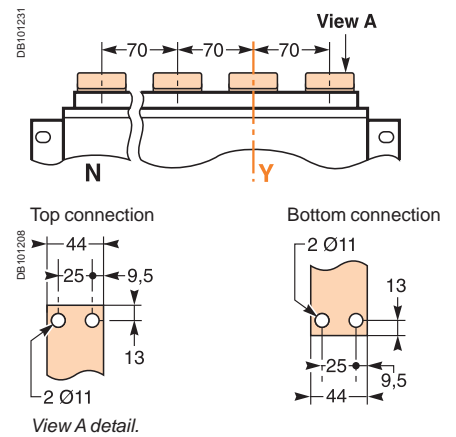
Detail



Front connection



Detail

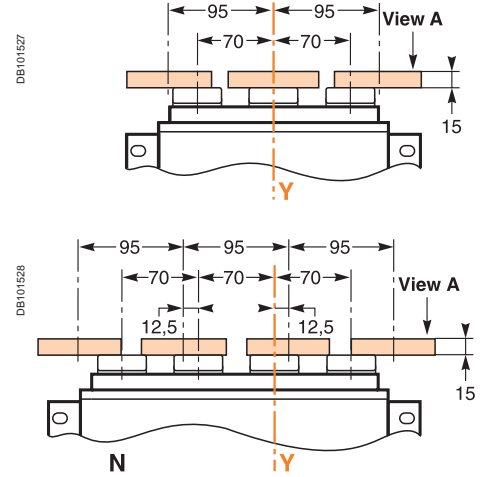
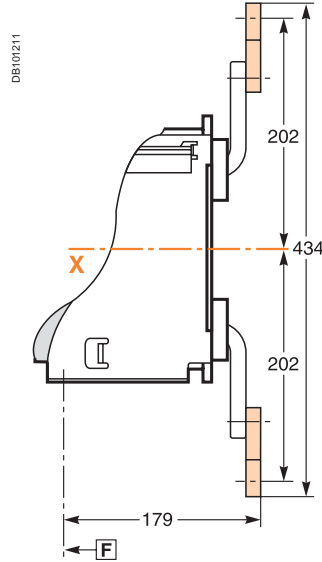
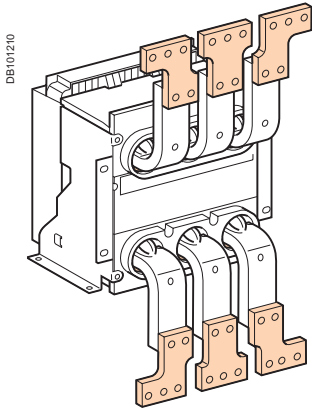


Note: recommended connection screws: **M10** class 8.8.
Tightening torque: **50 Nm** with contact washer.

Connections

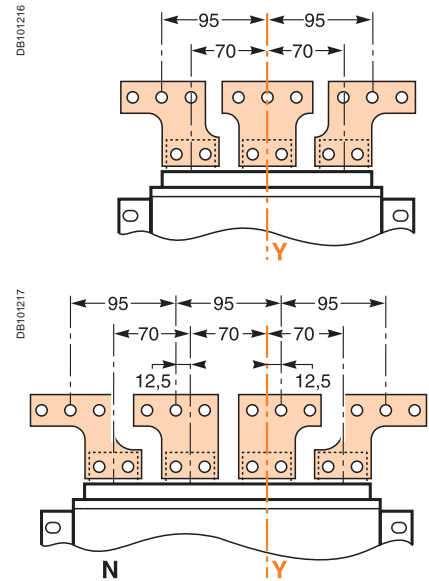
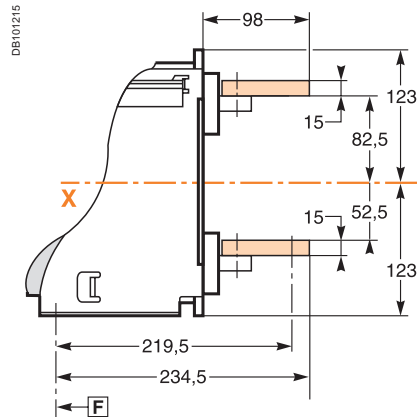
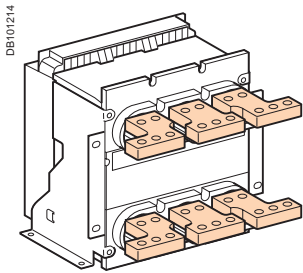
Front connection with spreaders

Detail



Rear connection with spreaders

Detail



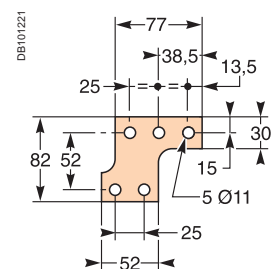
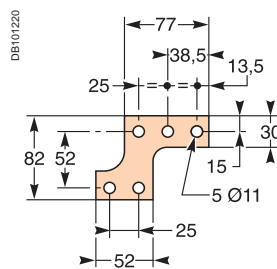
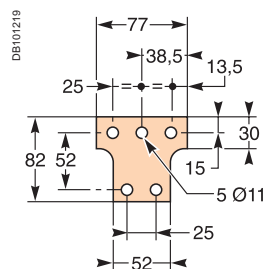
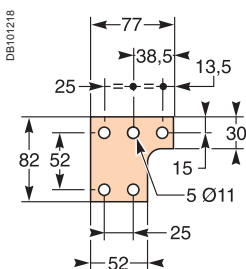
Spreader detail

Middle left or middle right spreader for 4P.

Middle spreader for 3P.

Left or right spreader for 4P.

Left or right spreader for 3P.

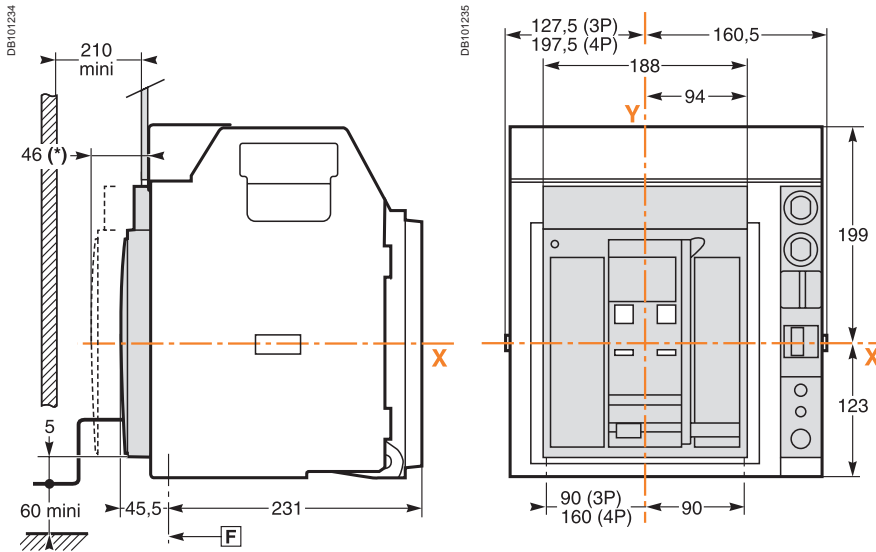


View A detail.

F : datum.

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

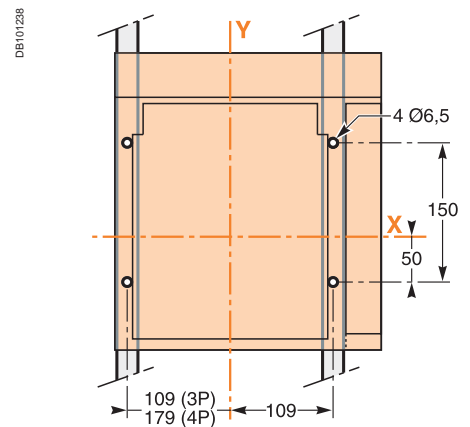
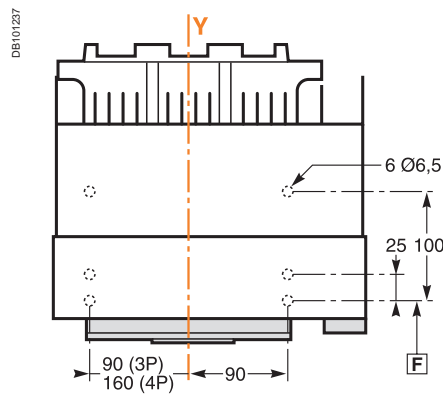
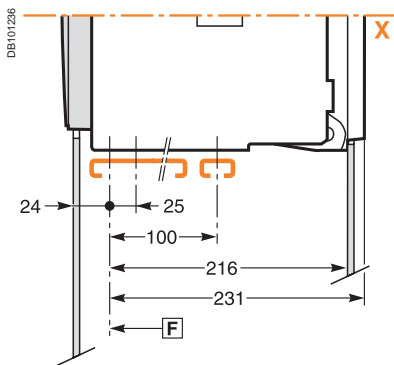
Dimensions



(*): Disconnected position.

Bottom mounting (on base plate or rails)

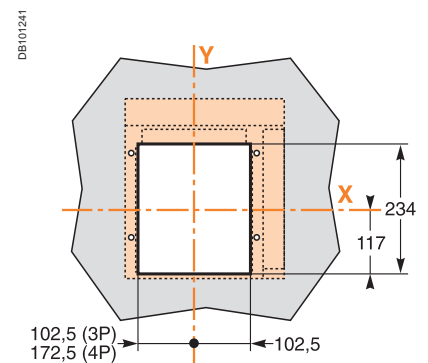
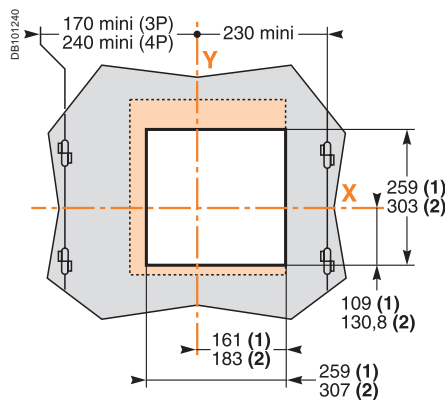
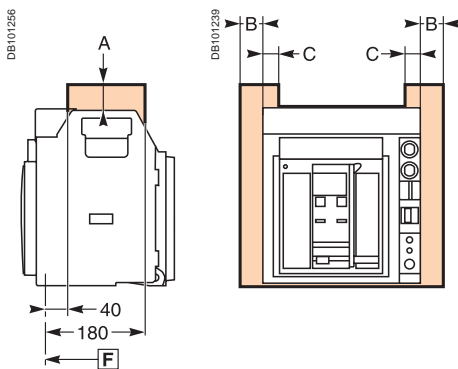
Rear mounting detail (on upright or backplate)



Safety clearances

Door cutout

Rear panel cutout



For voltages < 690 V or equal to 1000 V.

	Parts		
	Insulated	Metal	Energised
A	0	0	30
B	10	10	60
C	0	0	30

F : datum.

(1) Without escutcheon.

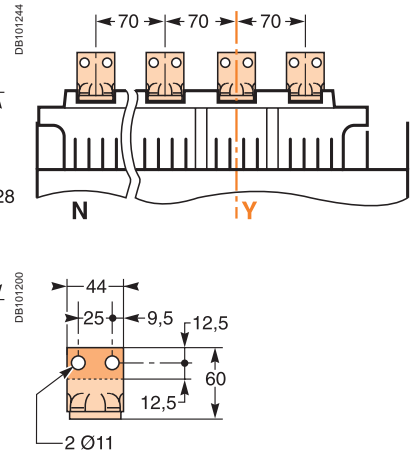
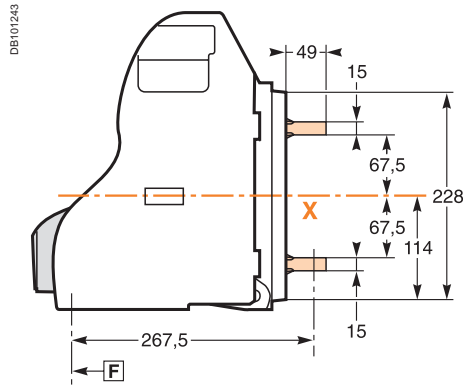
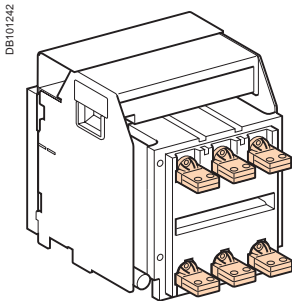
(2) With escutcheon.

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

Connections

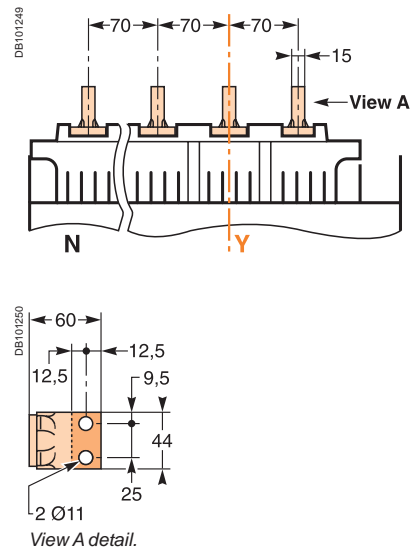
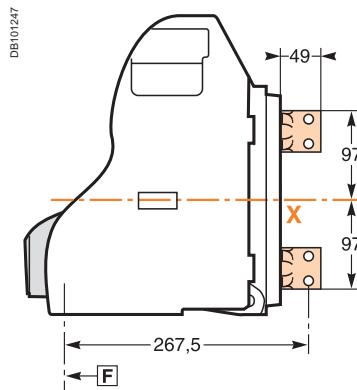
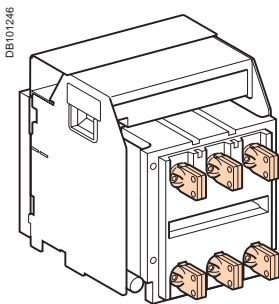
Horizontal rear connection

Detail



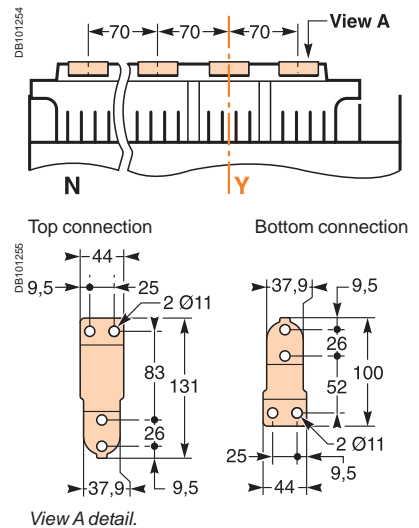
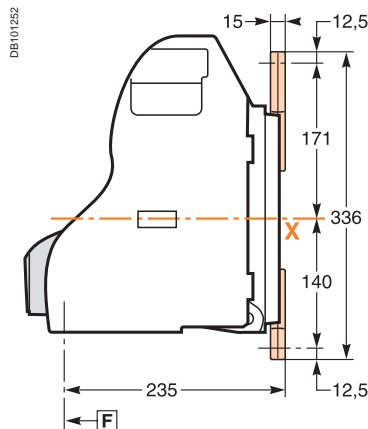
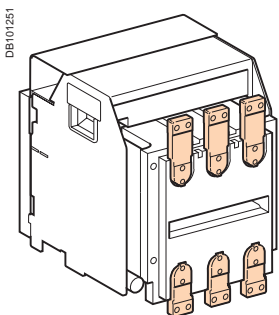
Vertical rear connection

Detail



Front connection

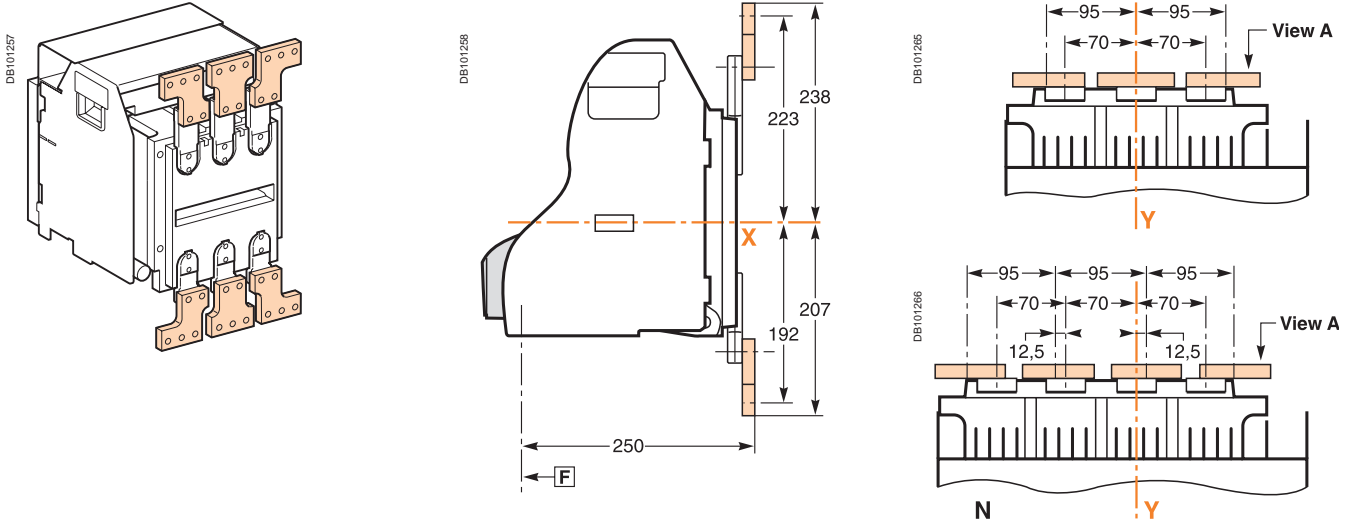
Detail



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

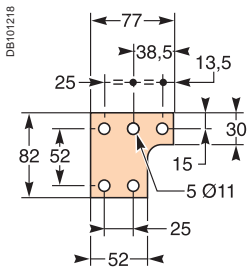
Connections

Front connection with spreaders



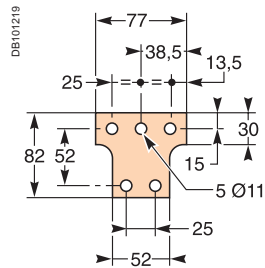
Spreader detail

Middle left or middle right spreader for 4P.

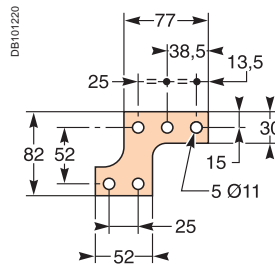


View A detail.

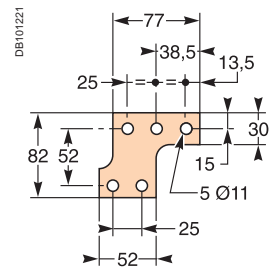
Middle spreader for 3P.



Left or right spreader for 4P.



Left or right spreader for 3P.

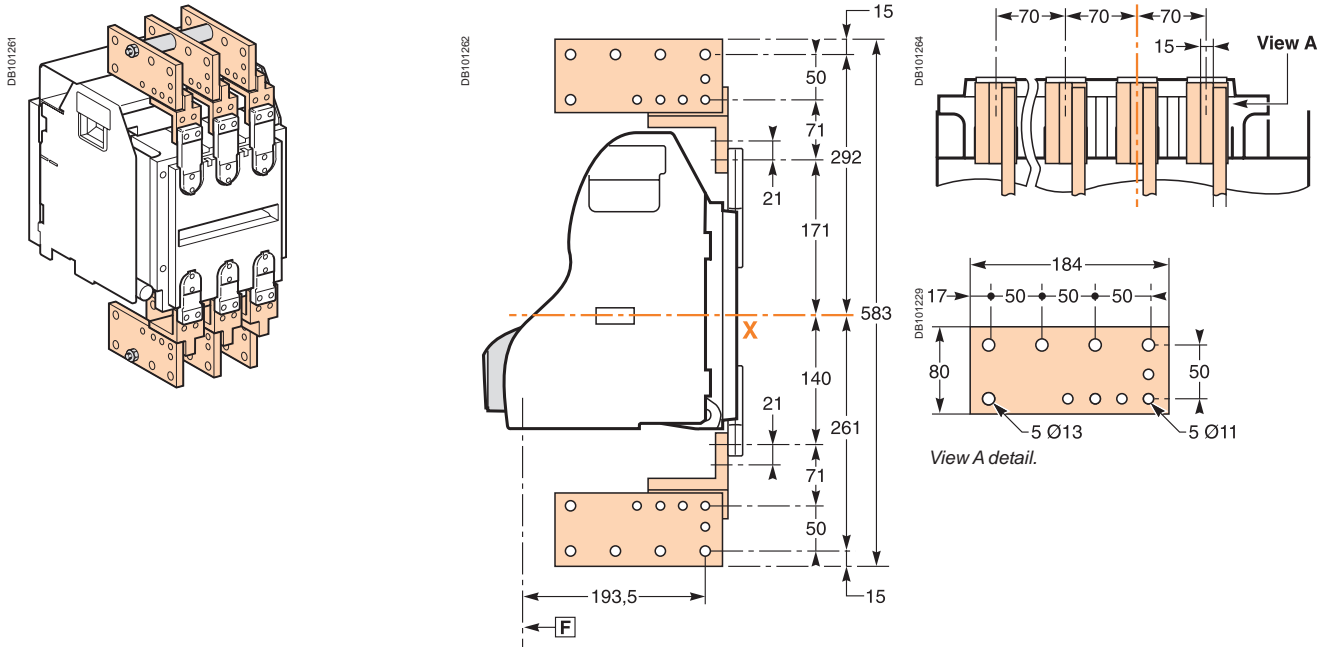


F : datum.

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

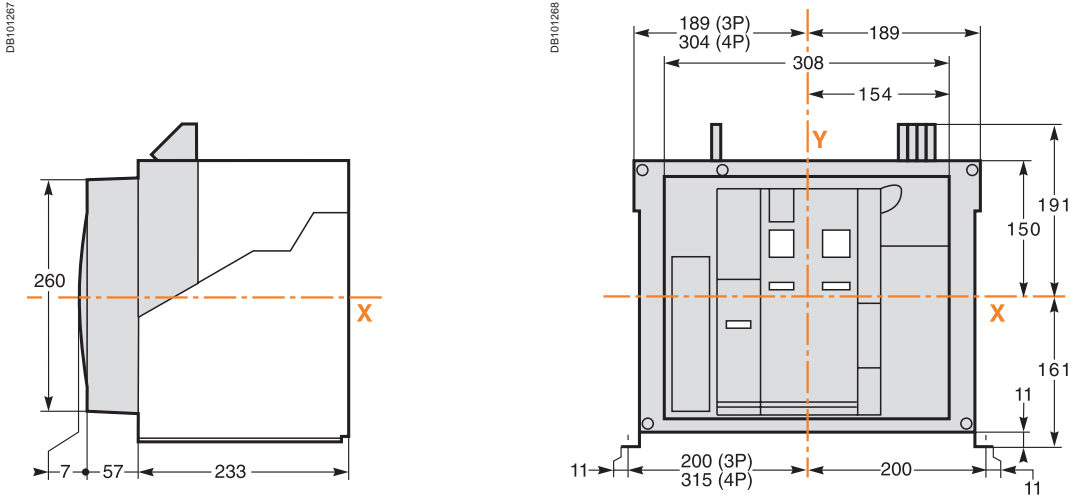
Connections

Front connection via vertical connection adapters fitted with cable-lug adapters



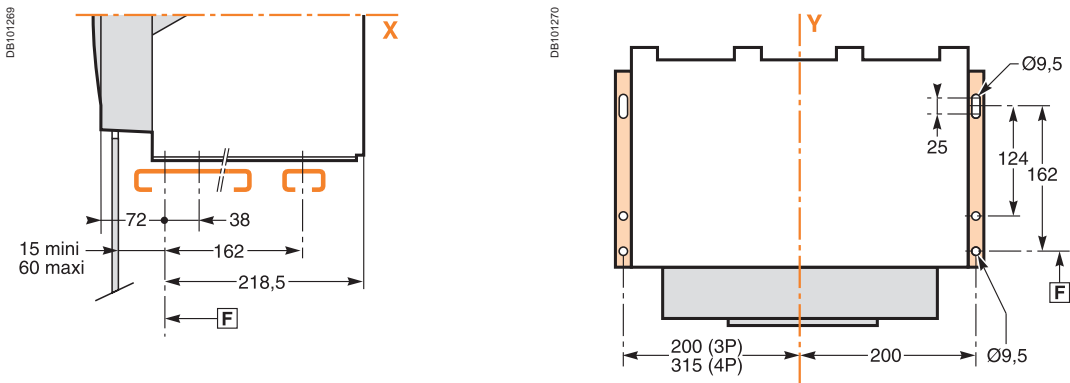
Note: recommended connection screws: **M10** class 8.8.
Tightening torque: **50 Nm** with contact washer.

Dimensions

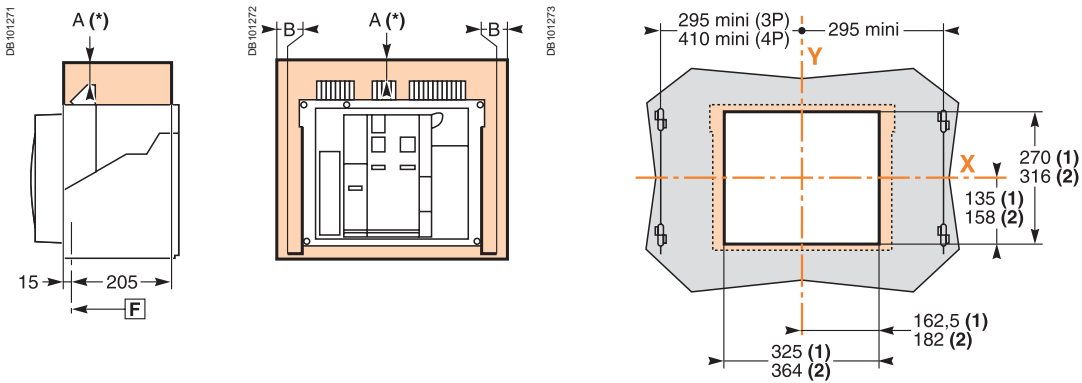


Mounting on base plate or rails

Mounting detail



Safety clearances



	Insulated parts	Metal parts	Energised parts
A	0	0	100
B	0	0	60

(1) Without escutcheon.

(2) With escutcheon.

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

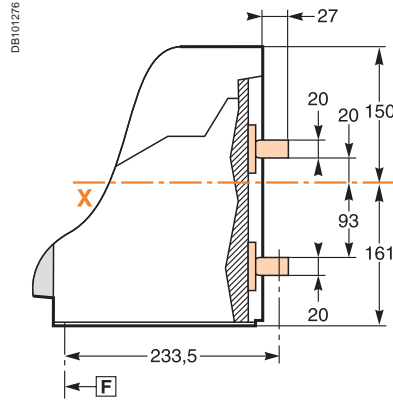
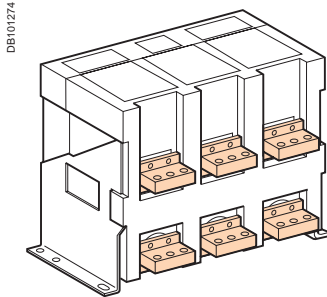
A(*) An overhead clearance of 50 mm is required to remove the arc chutes.

An overhead clearance of 20 mm is required to remove the terminal block.

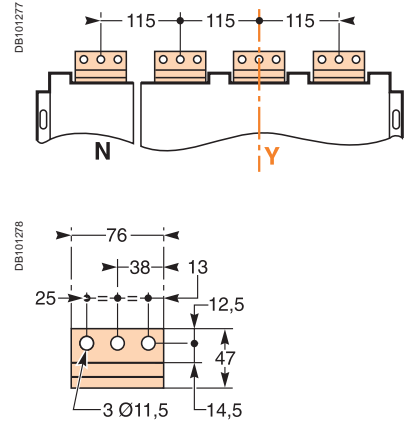
F : datum.

Connections

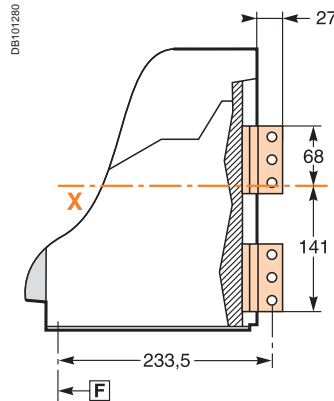
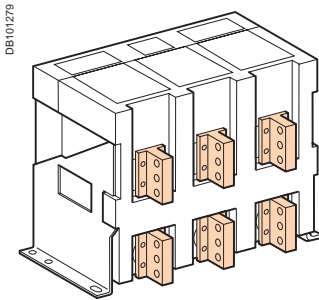
Horizontal rear connection



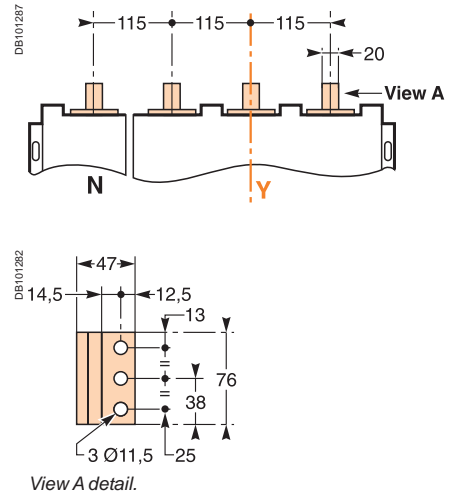
Detail



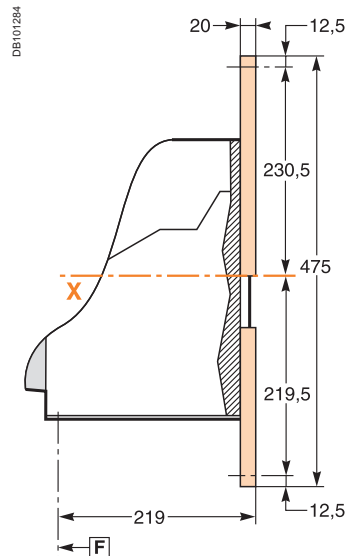
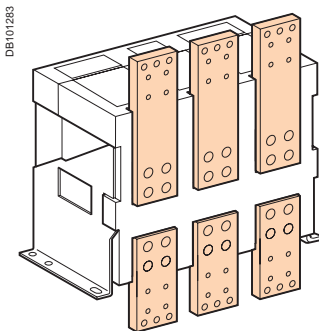
Vertical rear connection



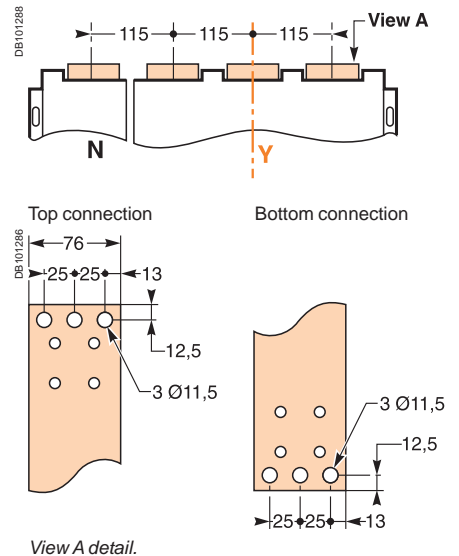
Detail



Front connection

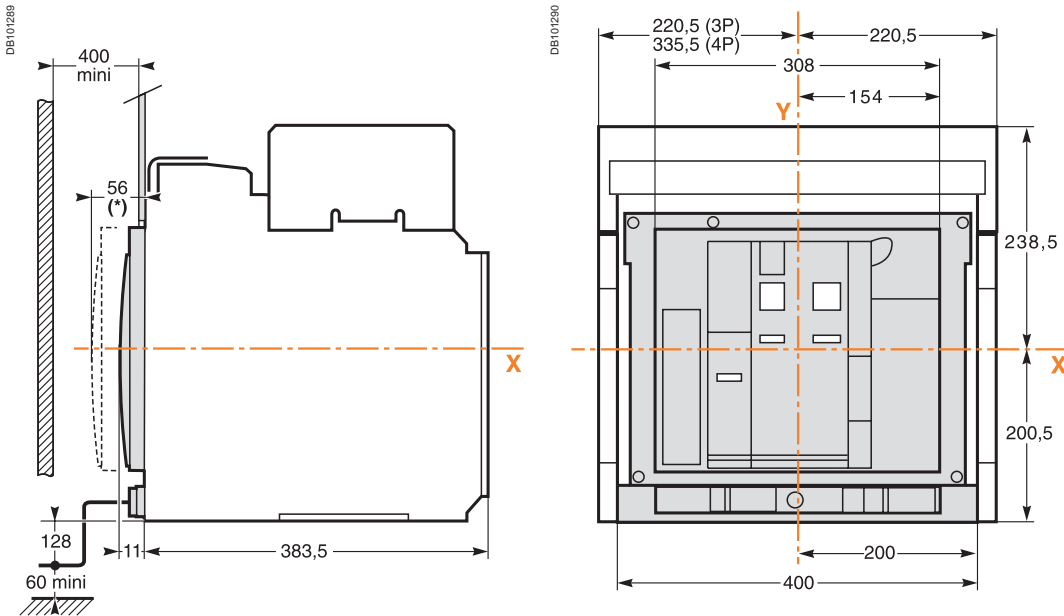


Detail



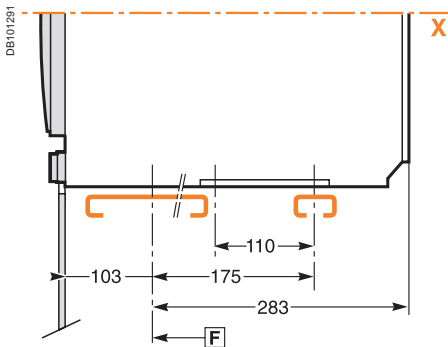
Note: recommended connection screws: **M10** class 8.8.
Tightening torque: **50 Nm** with contact washer.

Dimensions

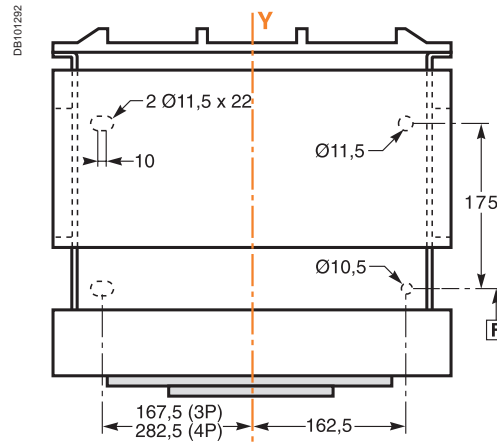


(*) Disconnected position.

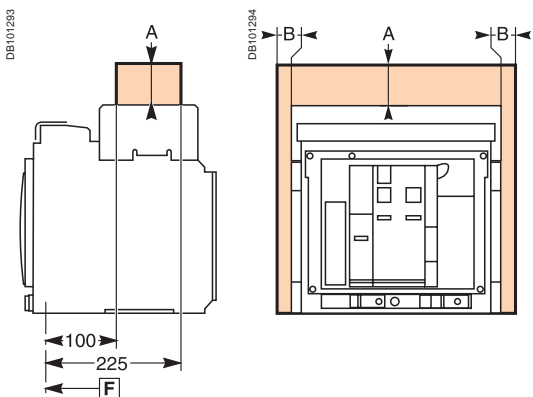
Mounting on base plate or rails



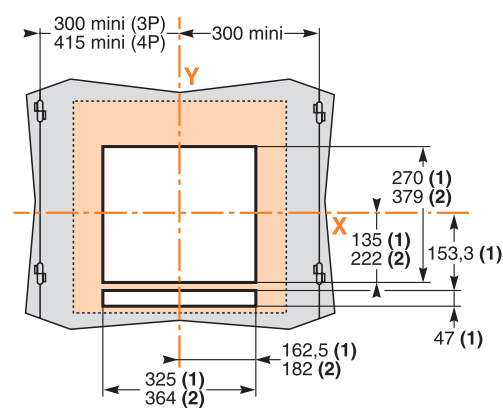
Mounting detail



Safety clearances



Door cutout



	Insulated parts	Metal parts	Energised parts
A	0	0	0
B	0	0	60

F : datum.

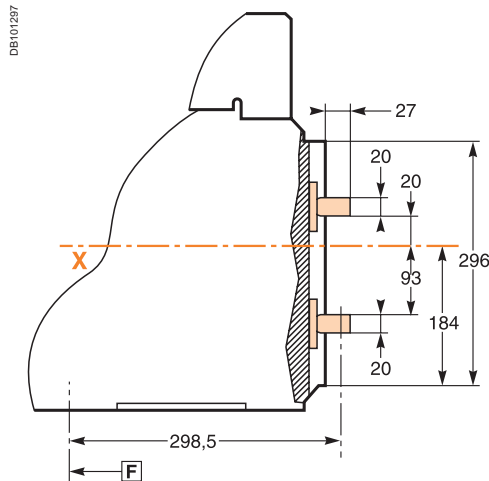
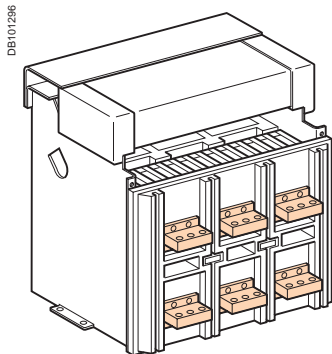
(1) Without escutcheon.

(2) With escutcheon.

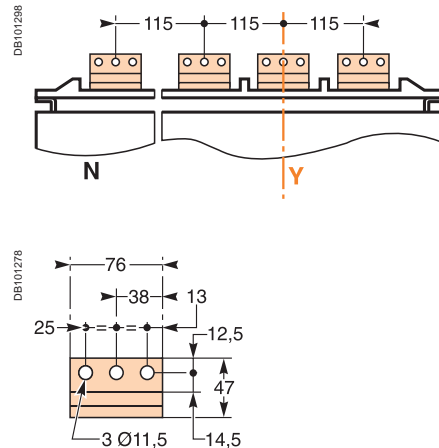
Note: X and Y are the symmetry planes for a 3-pole device.

Connections

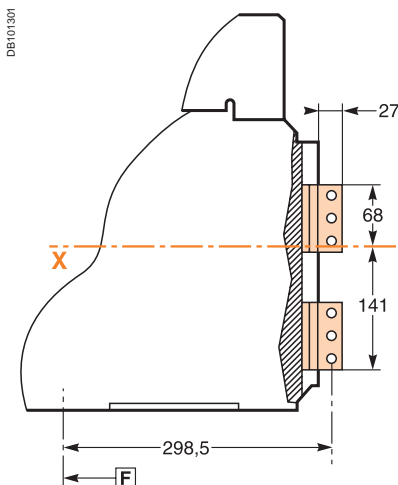
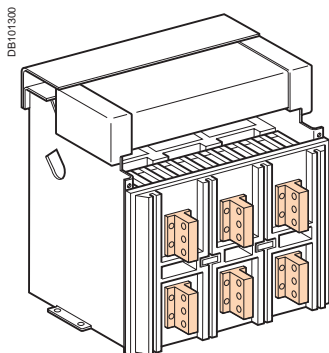
Horizontal rear connection



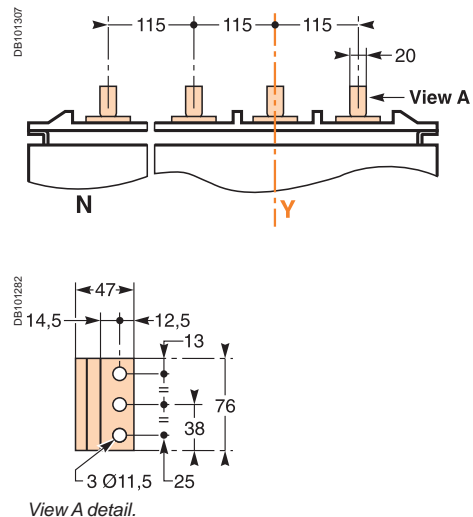
Detail



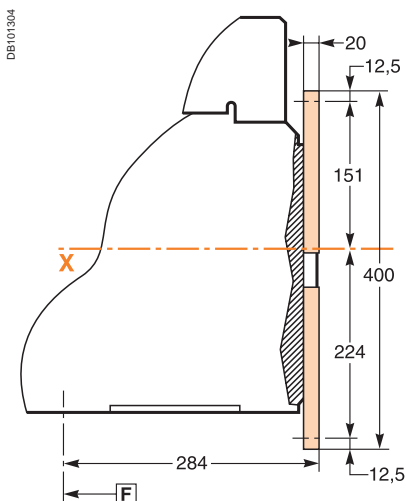
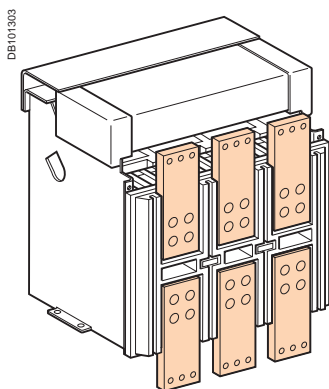
Vertical rear connection



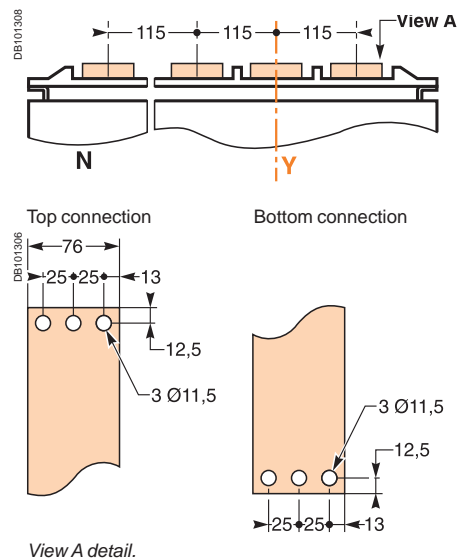
Detail



Front connection

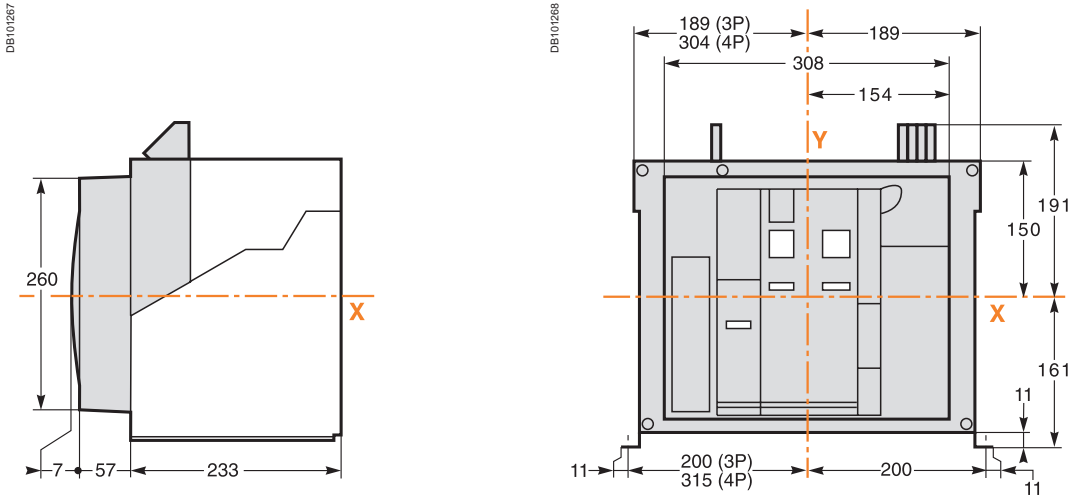


Detail



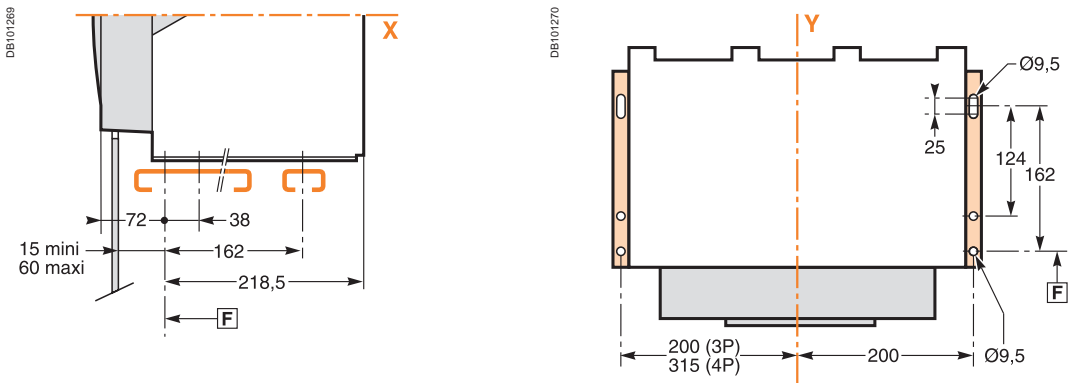
Note: recommended connection screws: **M10** class 8.8.
Tightening torque: **50 Nm** with contact washer.

Dimensions



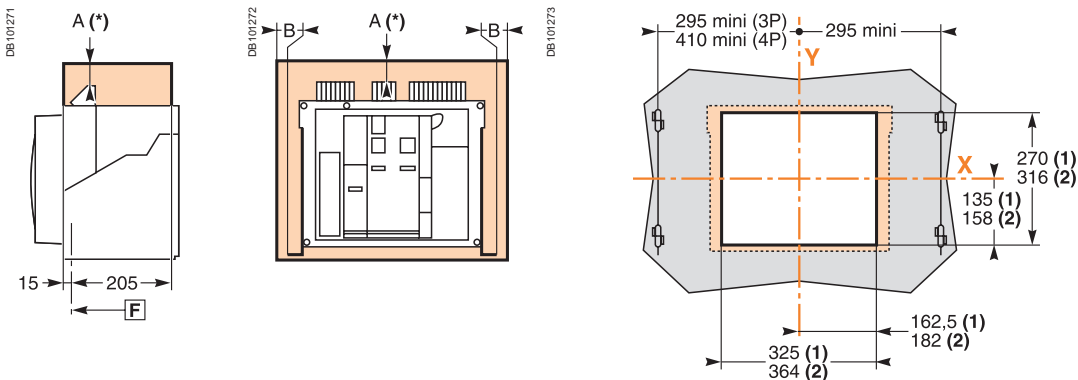
Mounting on base plate or rails

Mounting detail



Safety clearances

Door cutout



	Insulated parts	Metal parts	Energised parts
A	0	0	100
B	0	0	60

F : datum.

(1) Without escutcheon.

(2) With escutcheon.

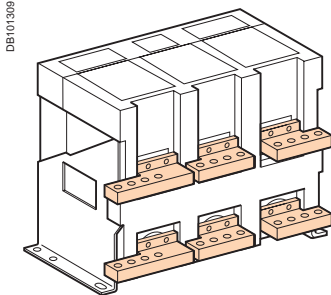
Note: X and Y are the symmetry planes for a 3-pole device.

A(*) An overhead clearance of 110 mm is required to remove the arc chutes.

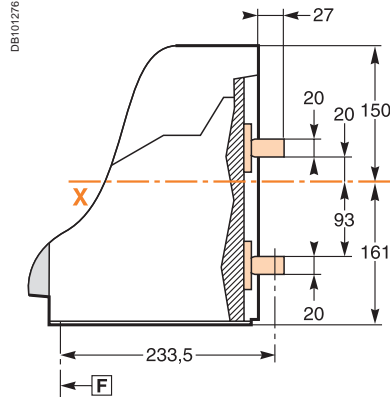
An overhead clearance of 20 mm is required to remove the terminal block.

Connections

Horizontal rear connection

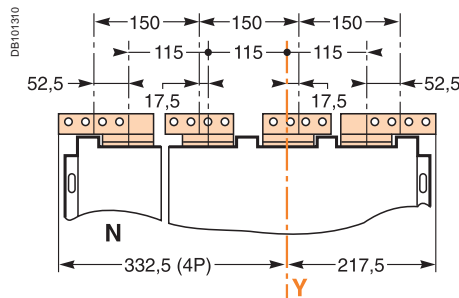


DB101309

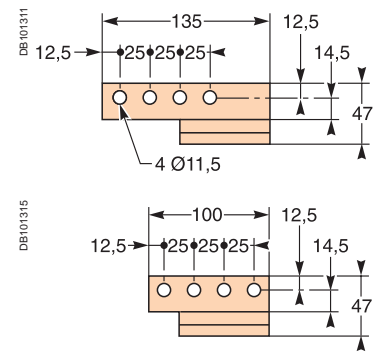


DB101276

Detail



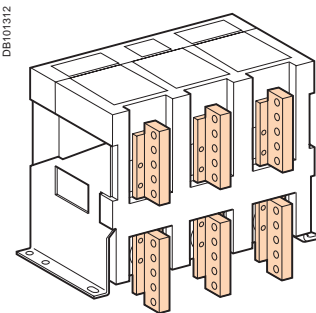
DB101310



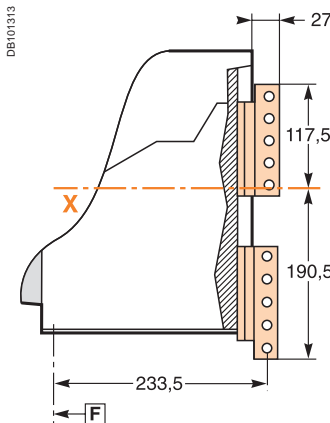
DB101311

DB101315

Vertical rear connection

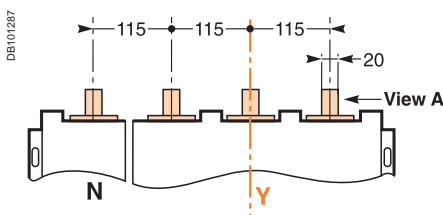


DB101312

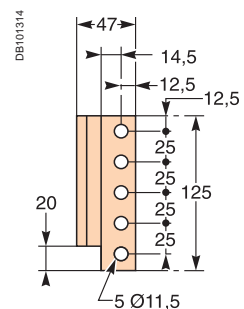


DB101313

Detail



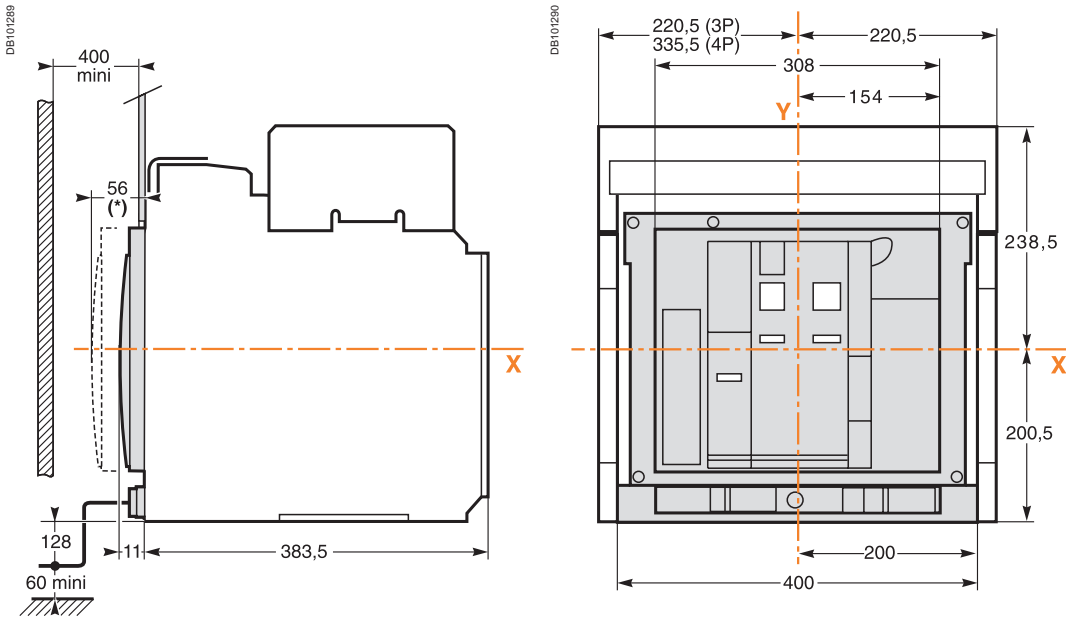
DB101287



DB101314

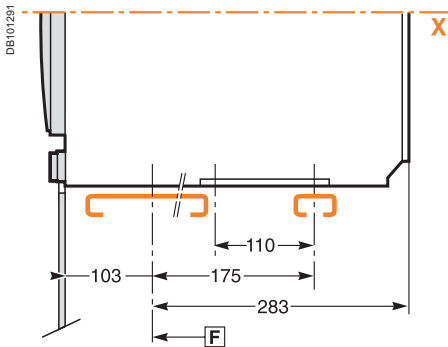
Note: recommended connection screws: **M10** class 8.8.
Tightening torque: **50 Nm** with contact washer.

Dimensions

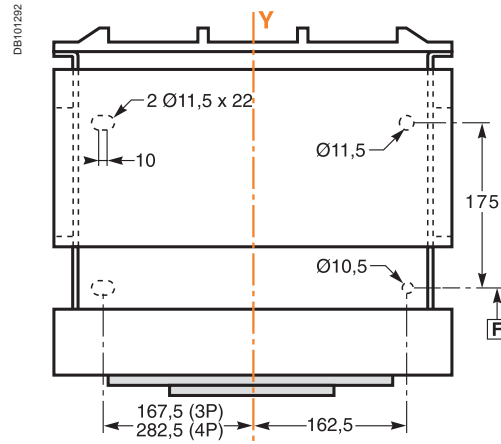


(*) Disconnected position.

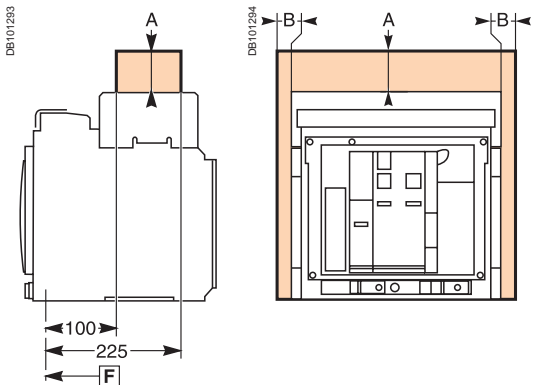
Mounting on base plate or rails



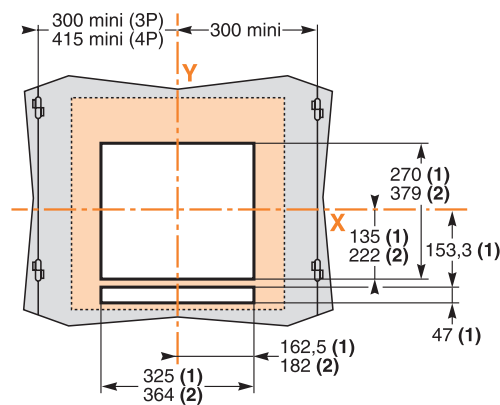
Mounting detail



Safety clearances



Door cutout



	Insulated parts	Metal parts	Energised parts
A	0	0	0
B	0	0	60

F : datum.

(1) Without escutcheon.

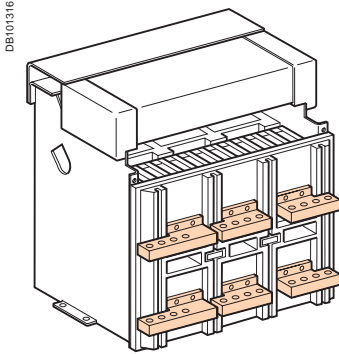
(2) With escutcheon.

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

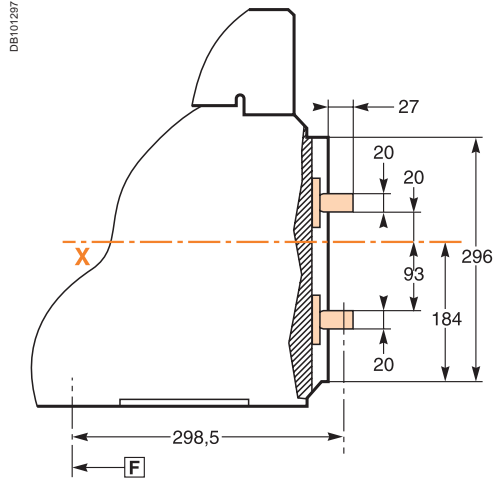
The safety clearances take into account the space required to remove the arc chutes.

Connections

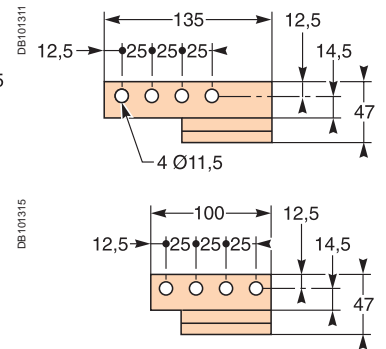
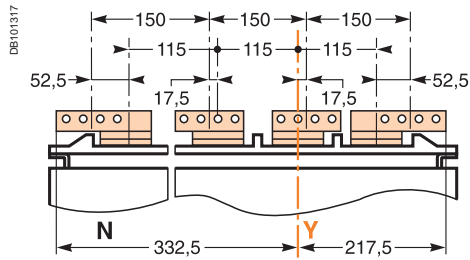
Horizontal rear connection



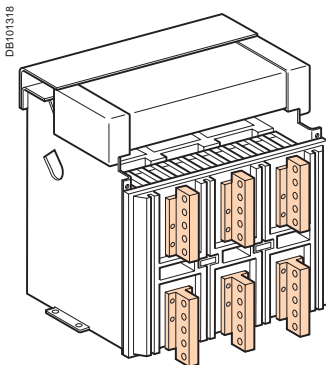
DE101316



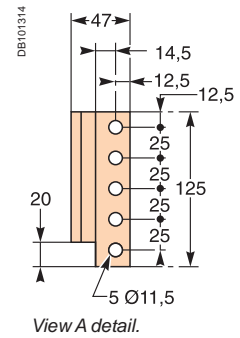
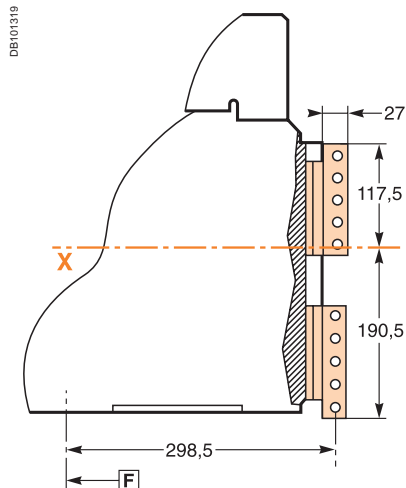
Detail



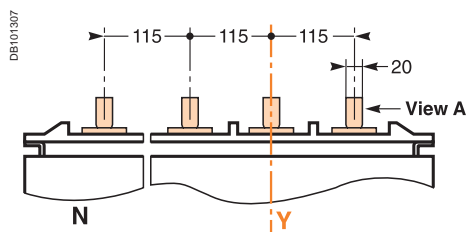
Vertical rear connection



DE101318

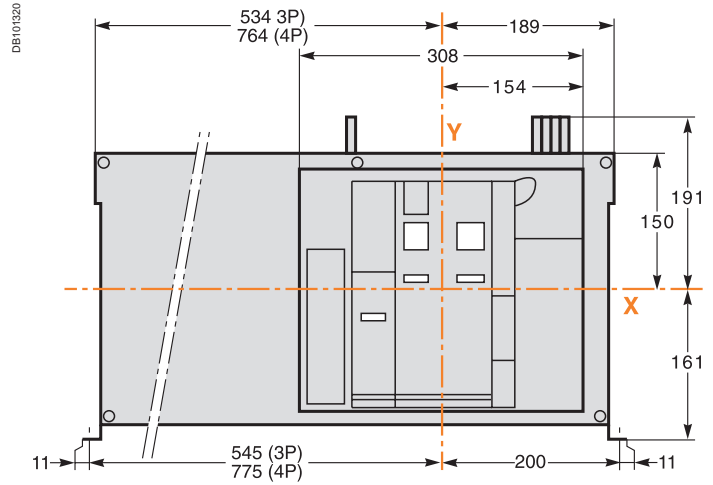
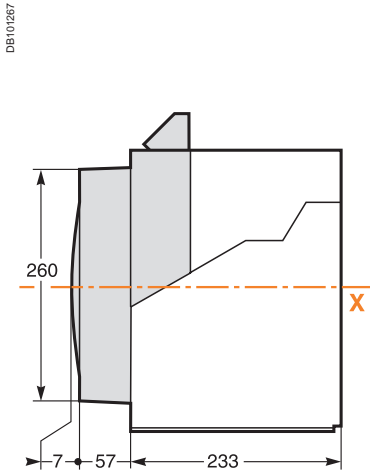


Detail

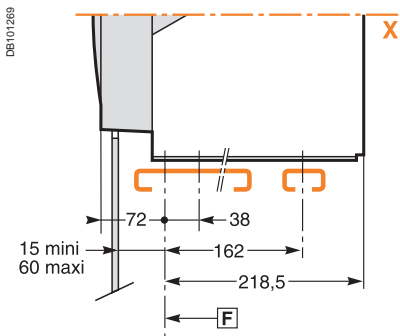


Note: recommended connection screws: **M10** class 8.8.
Tightening torque: **50 Nm** with contact washer.

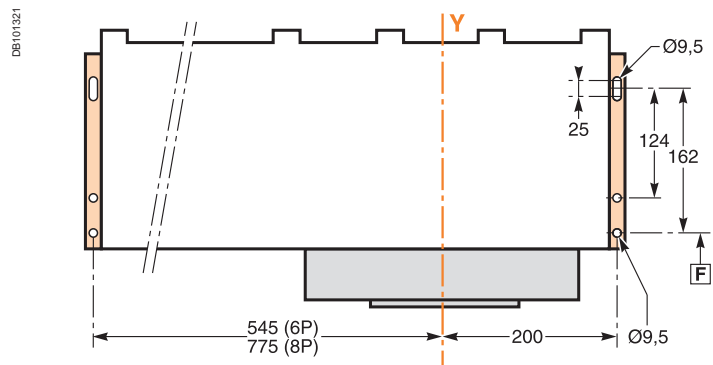
Dimensions



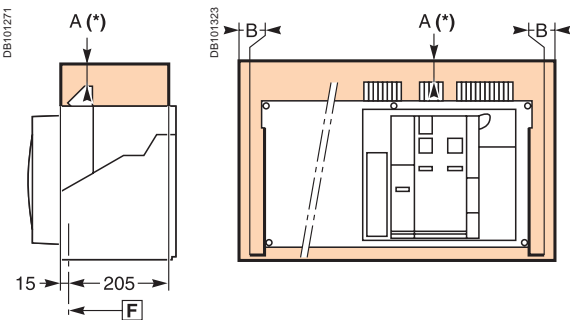
Mounting on base plate or rails



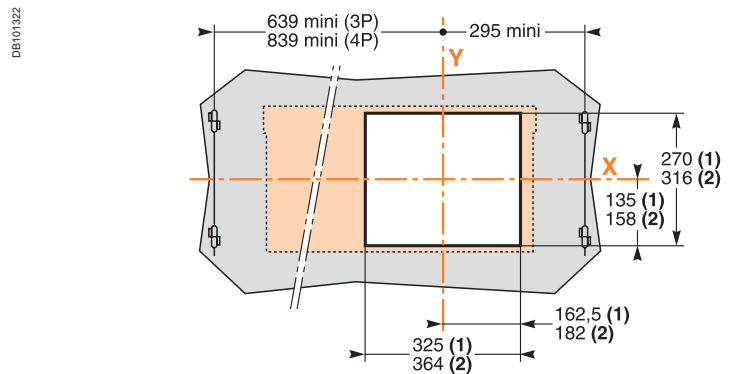
Mounting detail



Safety clearances



Door cutout



	Insulated parts	Metal parts	Energised parts
A	0	0	100
B	0	0	60

F : datum.

(1) Without escutcheon.

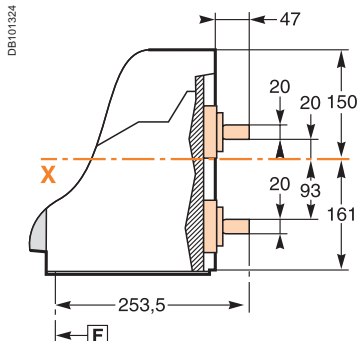
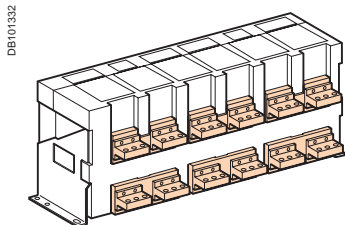
(2) With escutcheon.

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

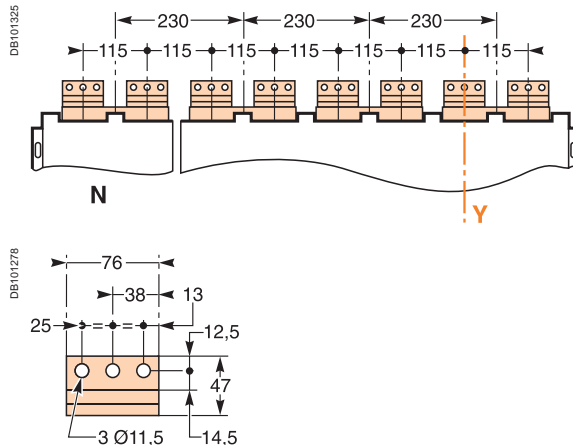
A(*) An overhead clearance of 110 mm is required to remove the arc chutes.
An overhead clearance of 20 mm is required to remove the terminal block.

Connections

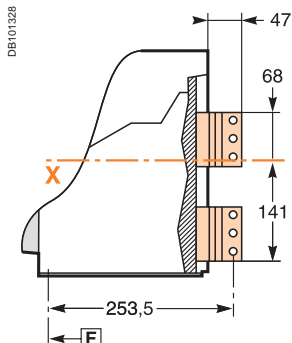
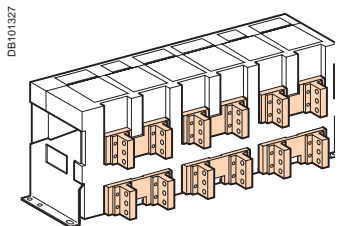
Horizontal rear connection (NW40b - NW50)



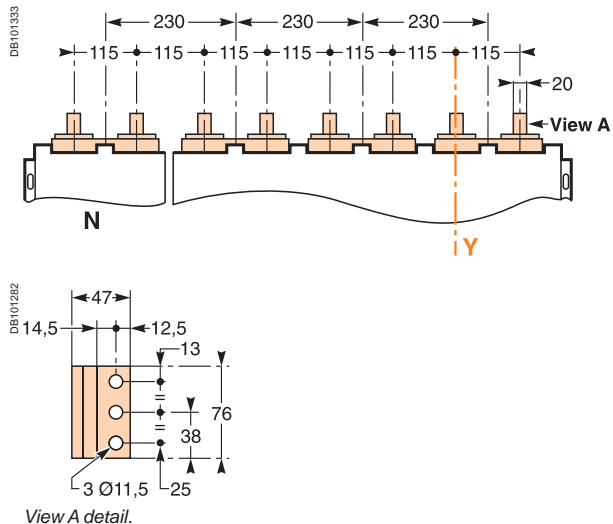
Detail



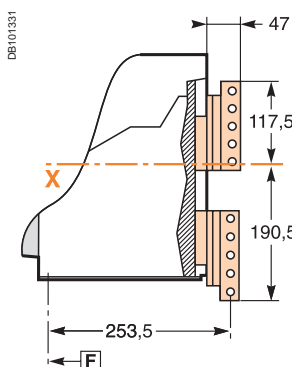
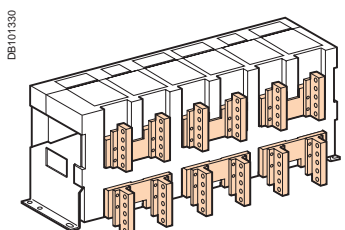
Vertical rear connection (NW40b - NW50)



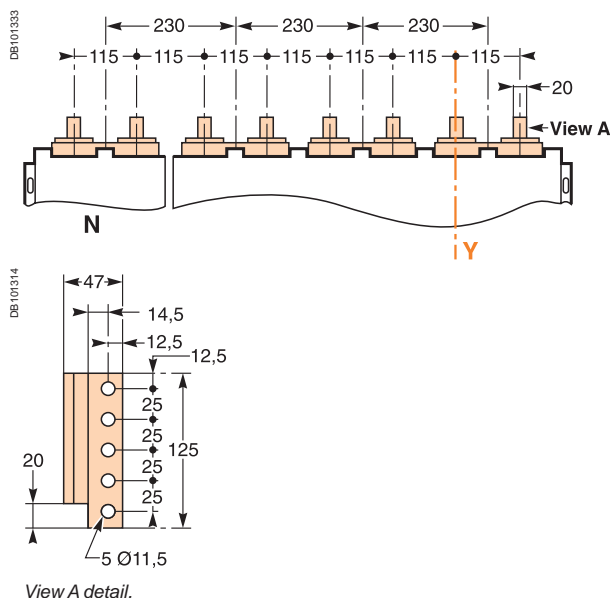
Detail



Vertical rear connection (NW63)

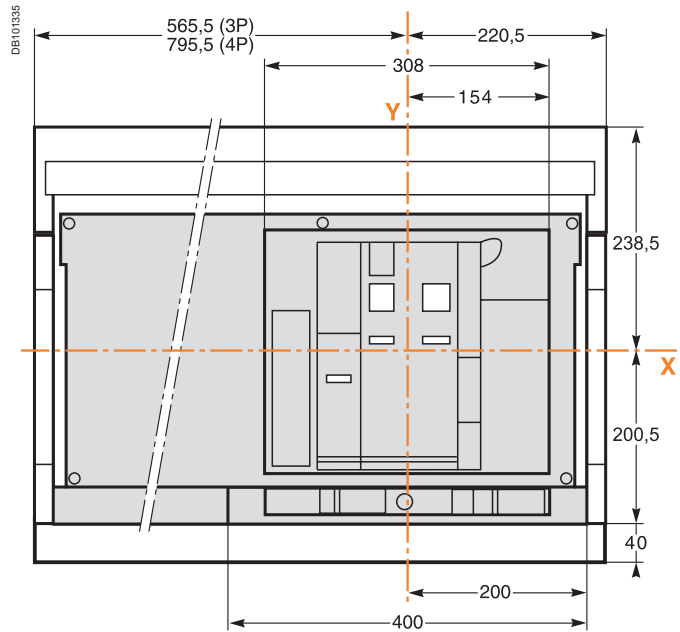
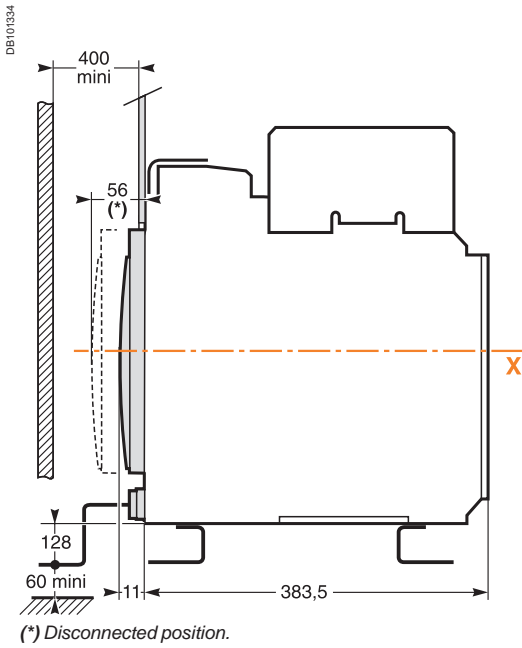


Detail

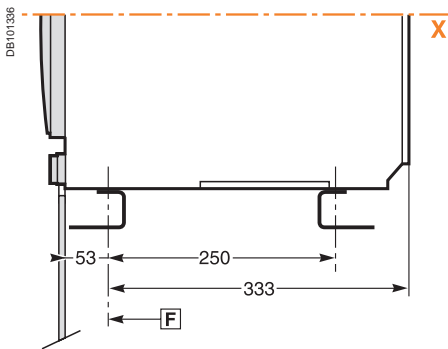


Note: recommended connection screws: **M10** s/s class A4 80.
Tightening torque: **50 Nm** with contact washer.

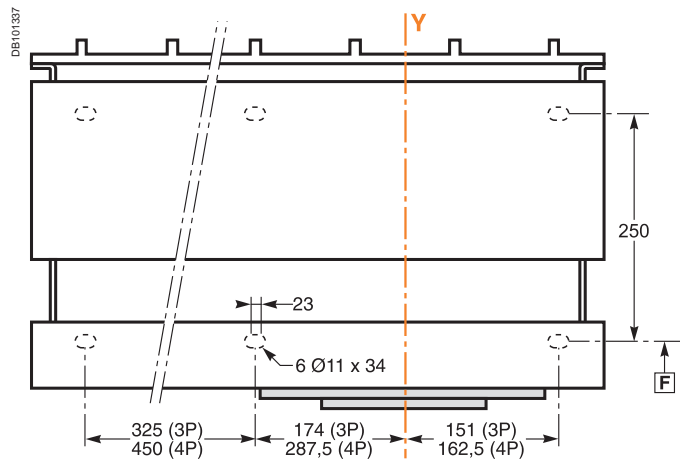
Dimensions



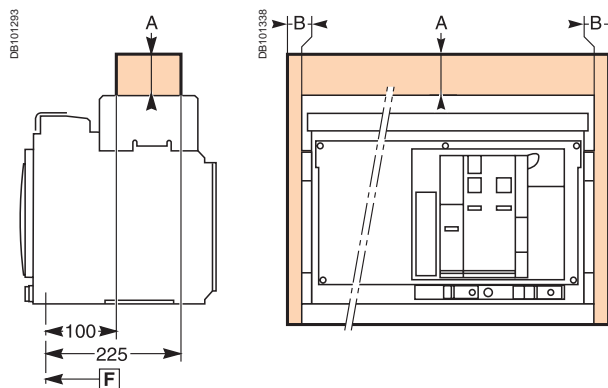
Mounting on base plate or rails



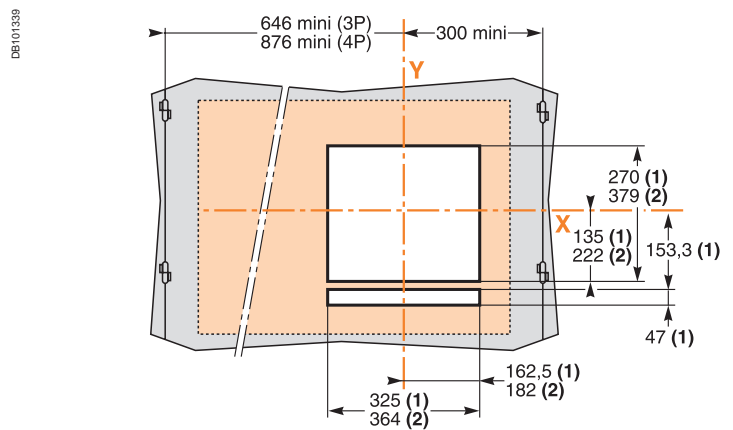
Mounting detail



Safety clearances



Door cutout



	Insulated parts	Metal parts	Energised parts
A	0	0	0
B	0	0	60

(1) Without escutcheon.

(2) With escutcheon.

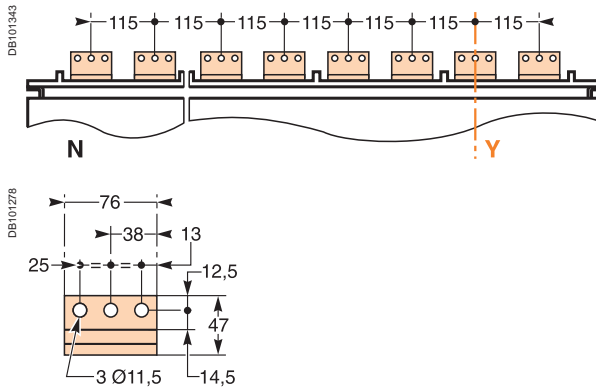
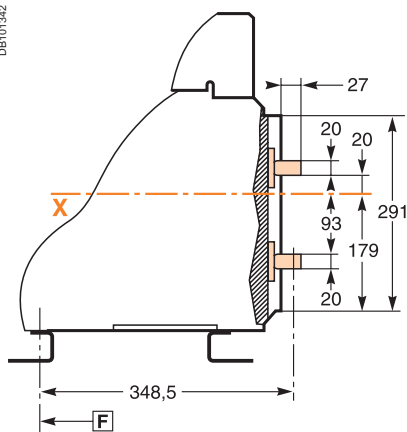
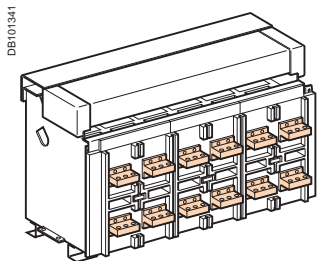
Note: X and Y are the symmetry planes for a 3-pole device.

F : datum.

Connections

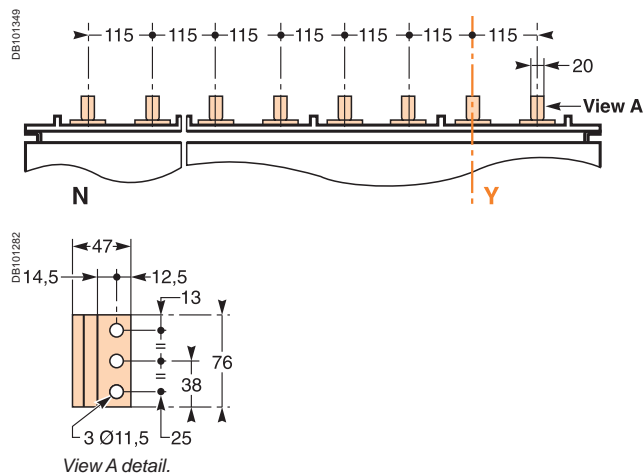
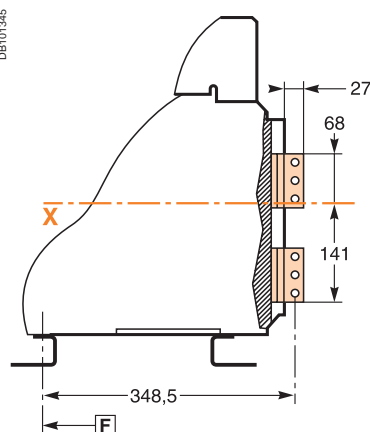
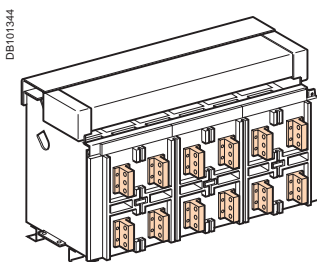
Horizontal rear connection (NW40b - NW50)

Detail



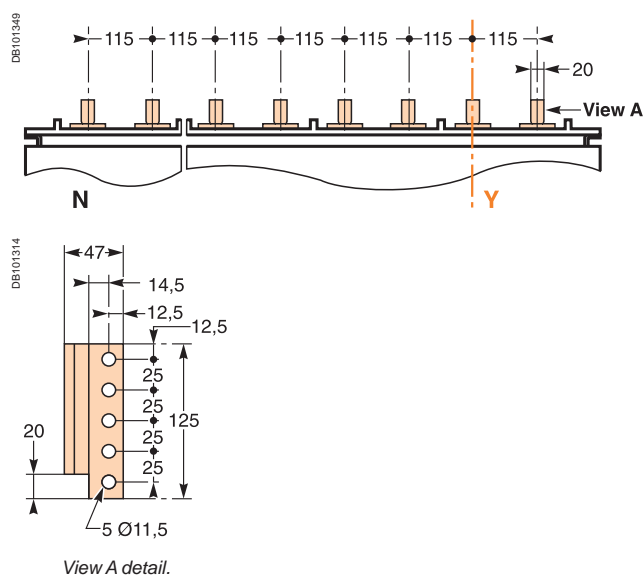
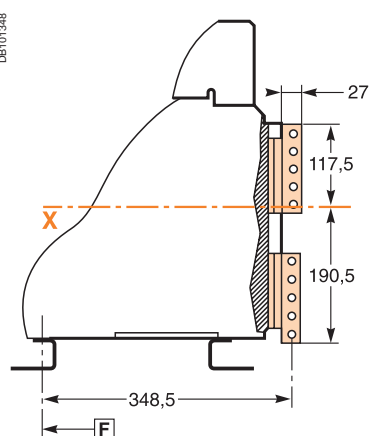
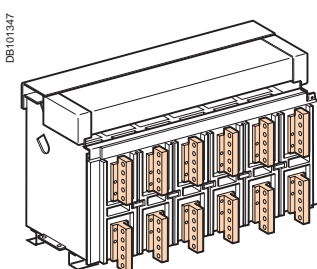
Vertical rear connection (NW40b - NW50)

Detail



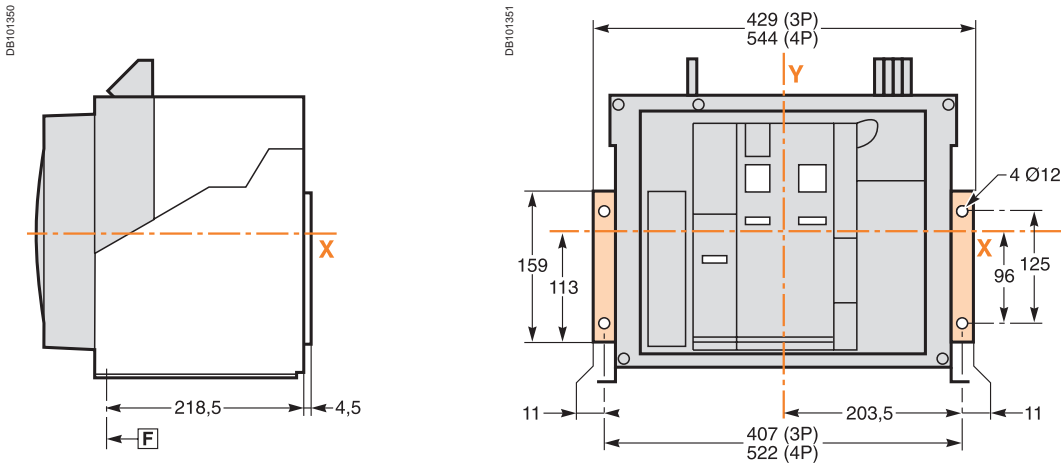
Vertical rear connection (NW63)

Detail



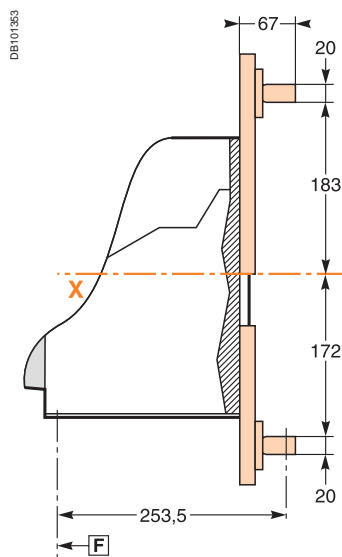
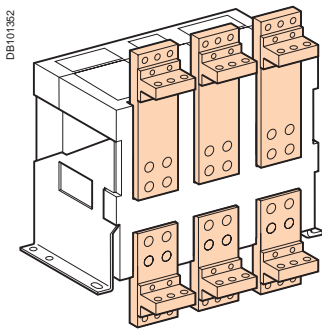
Note: recommended connection screws: **M10** s/s class A4 80.
Tightening torque: **50 Nm** with contact washer.

Mounting on backplate with special brackets (Masterpact NW08 to 32 fixed)

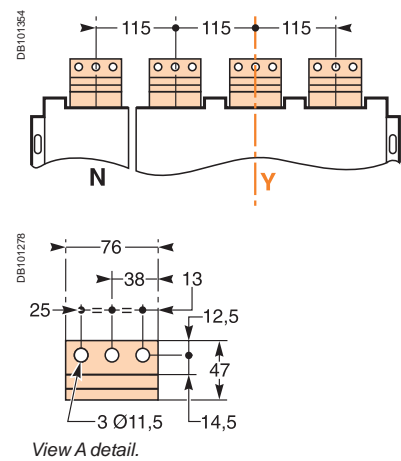


Disconnectable front-connection adapter (Masterpact NW08 to 32 fixed)

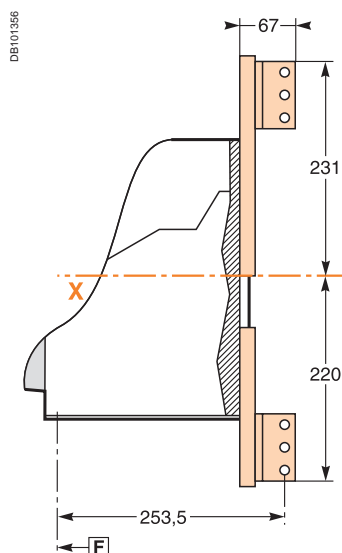
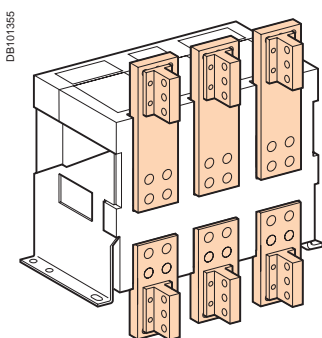
Horizontal rear connection



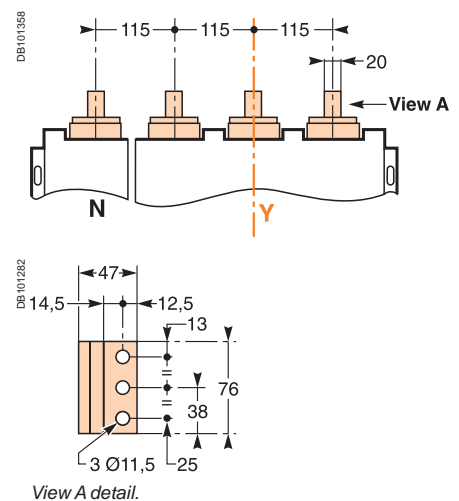
Detail



Vertical rear connection



Detail



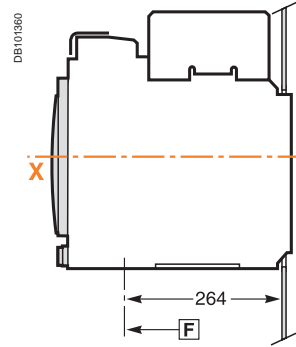
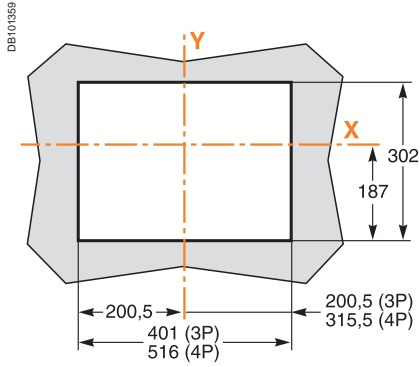
Note: recommended connection screws: M10 class 8.8.
Tightening torque: 50 Nm with contact washer.

F : datum.

Rear panel cutout (drawout devices)

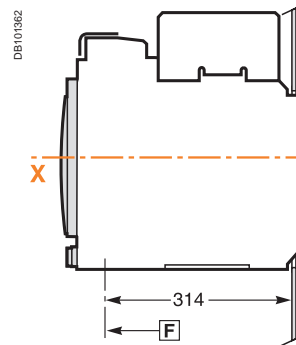
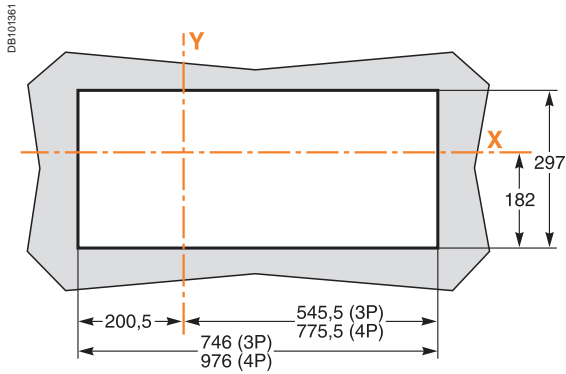
NW08 to NW40

Rear view



NW40b to NW63

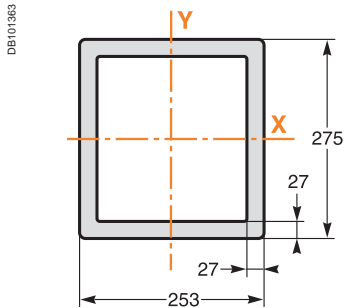
Rear view



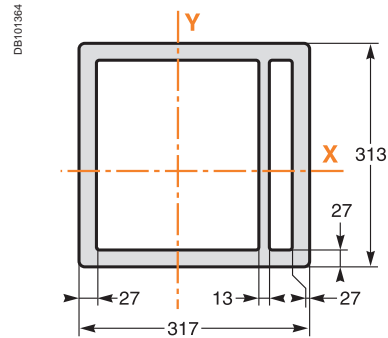
Escutcheon

Masterpact NT

Fixed device

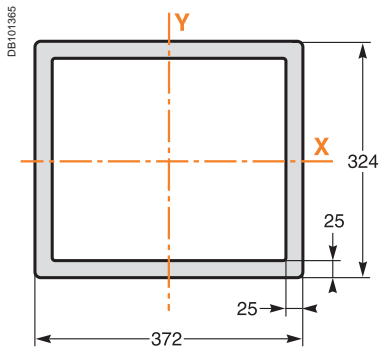


Drawout device

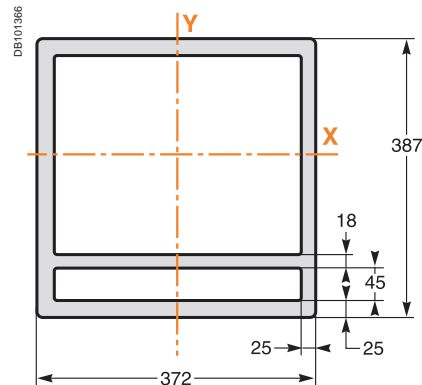


Masterpact NW

Fixed device

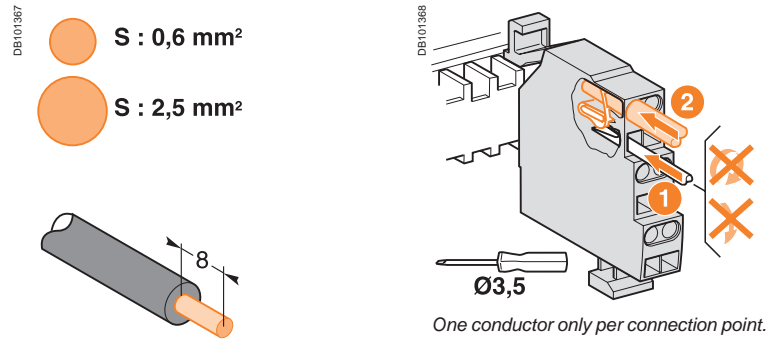


Drawout device

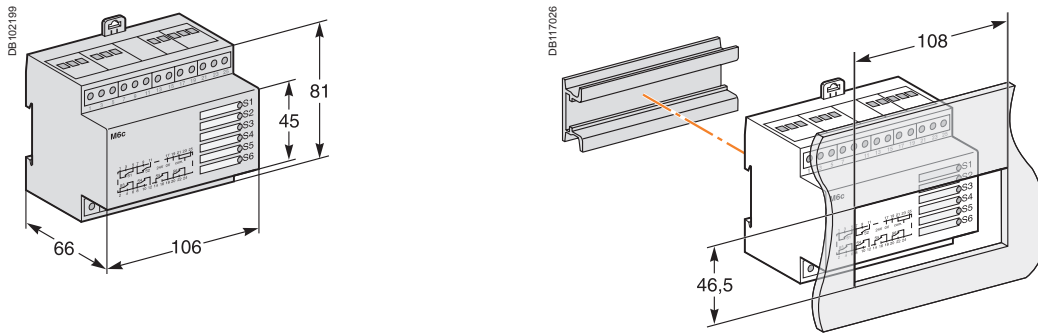


F : datum.

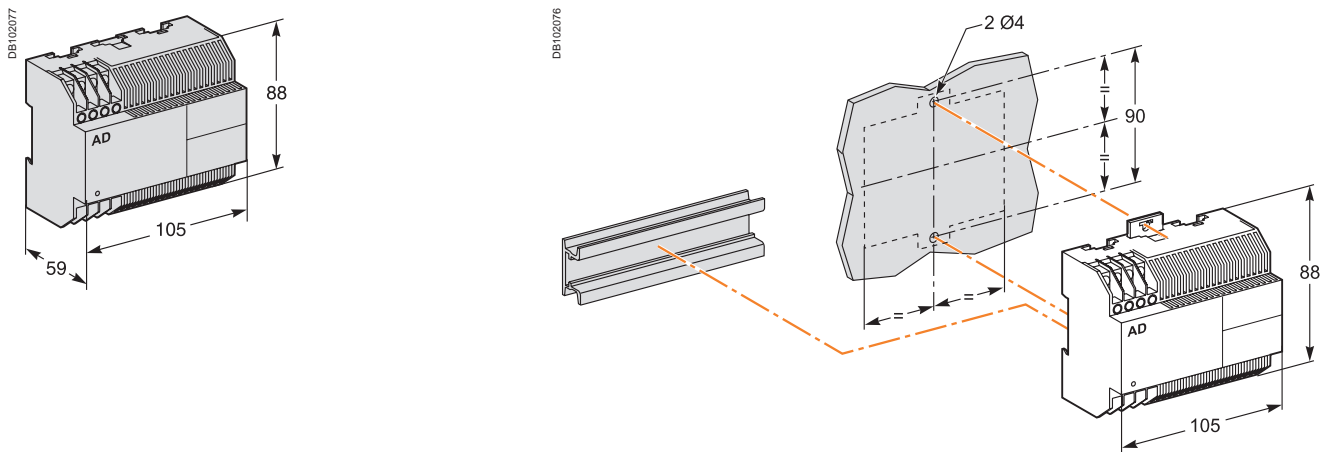
Connection of auxiliary wiring to terminal block



M6C relay module

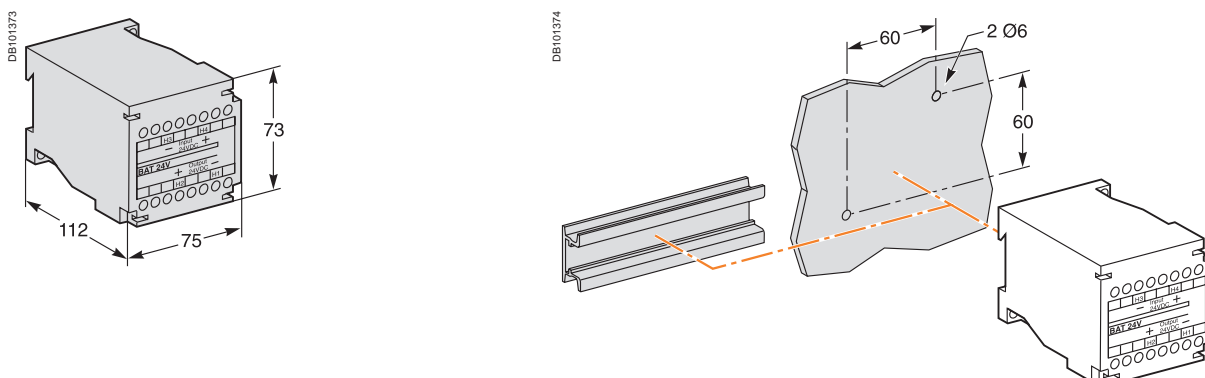


External power supply module (AD)

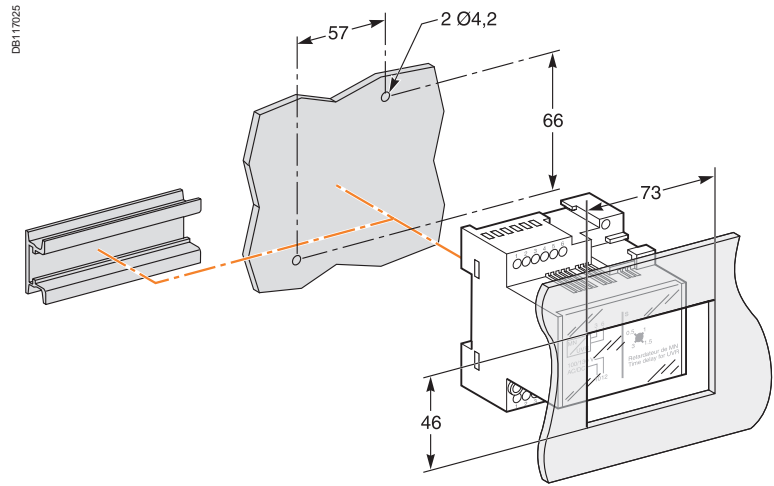
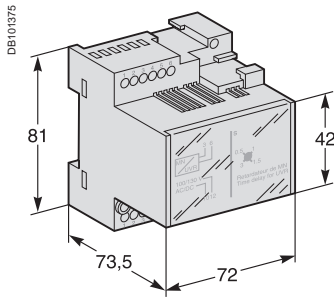


Battery module (BAT)

Mounting

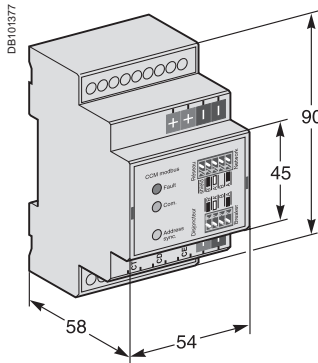


Delay unit for MN release

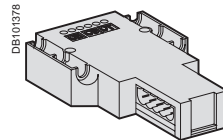


“Chassis” communication module

ModBUS

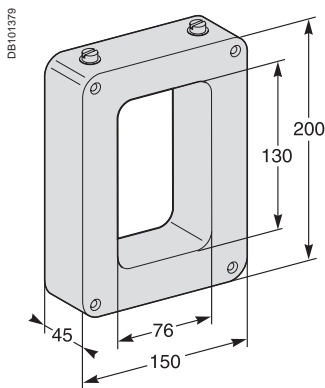


BatiBUS

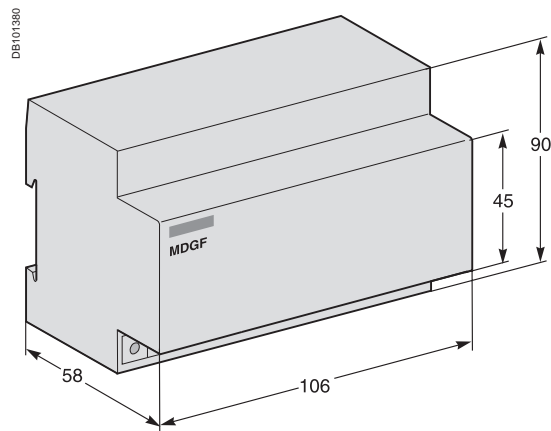


External sensor for source ground return (SGR) protection

Sensor



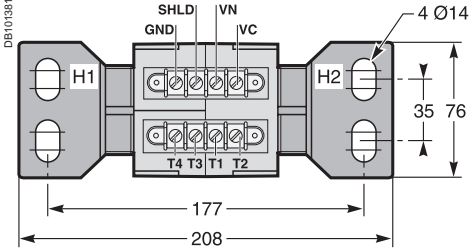
“MGDF summer” module



External sensor for external neutral

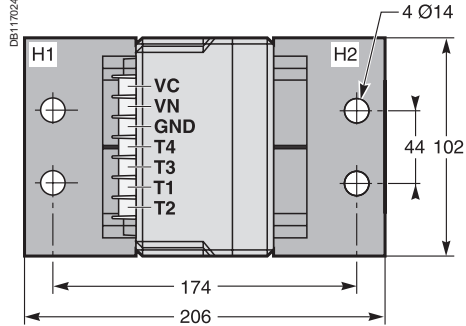
Dimensions

400/1600 A (NT06 to NT16)



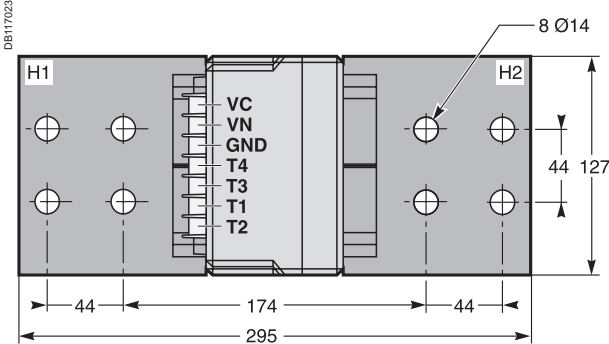
High: 137 mm.

400/2000 A (NW08 to NW20)



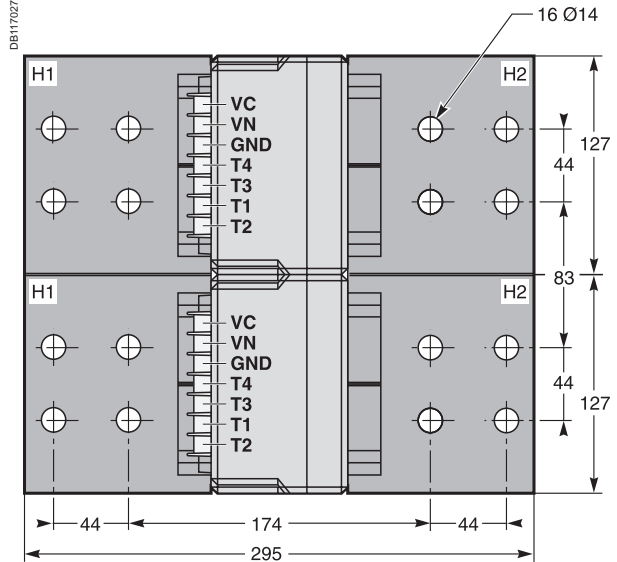
High: 162 mm.

1000/4000 A (NW025 to NW40)



High: 162 mm.

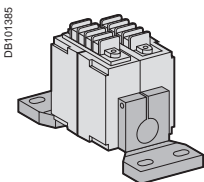
2000/6300 A (NW40b to NW63)



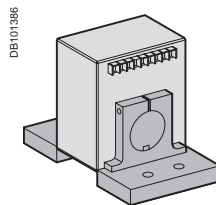
High: 168 mm.

Installation

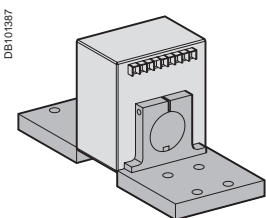
400/1600 A (NT06 to NT16)



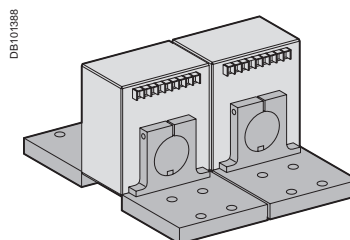
400/2000 A (NW08 to NW20)



1000/4000 A (NW025 to NW40)

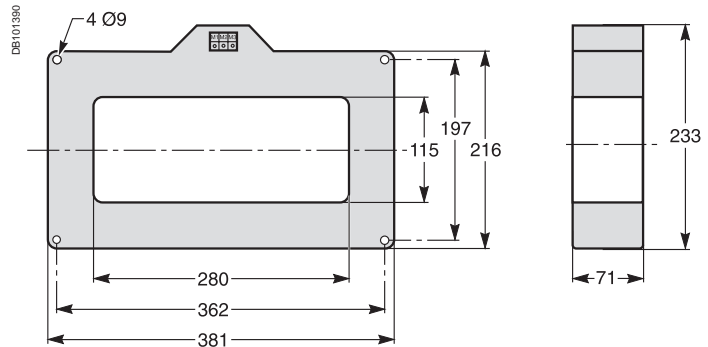
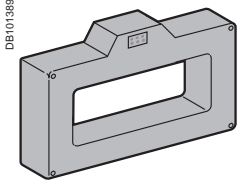


2000/6300 A (NW40b to NW63)

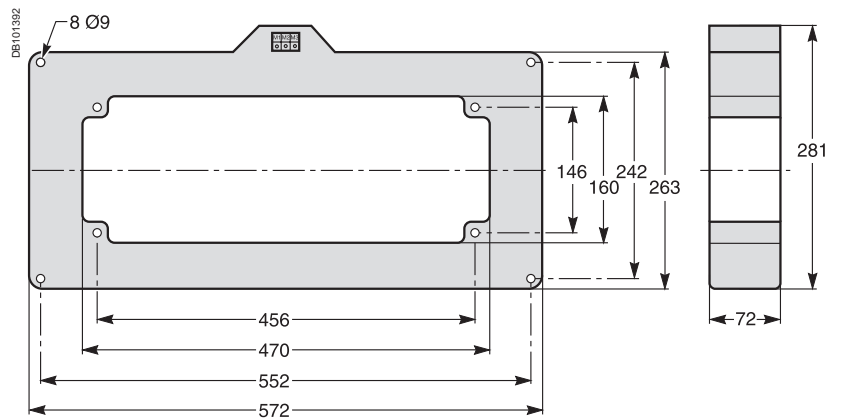
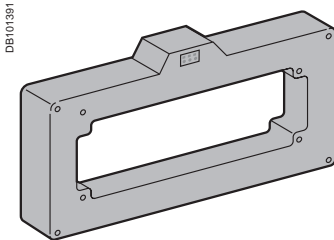


Rectangular sensor for earth leakage protection (Vigi)

280 x 115 mm window



470 x 160 mm window

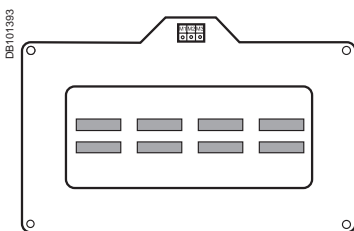


Busbars	I ≤ 1600 A	I ≤ 3200
Window (mm)	280 x 115	470 x 160
Weight (kg)	14	18

Busbars path

280 x 115 window

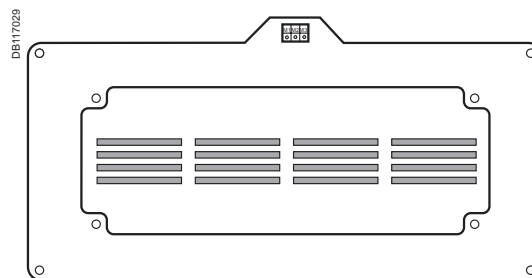
Busbars spaced 70 mm centre-to-centre



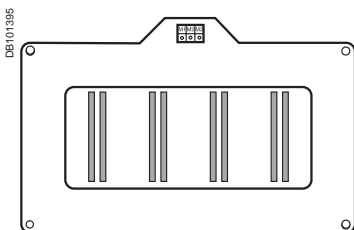
2 bars 50 x 10.

470 x 160 window

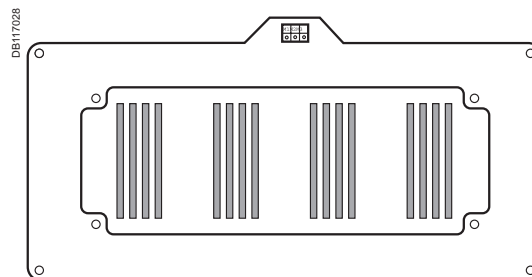
Busbars spaced 115 mm centre-to-centre



4 bars 100 x 5.



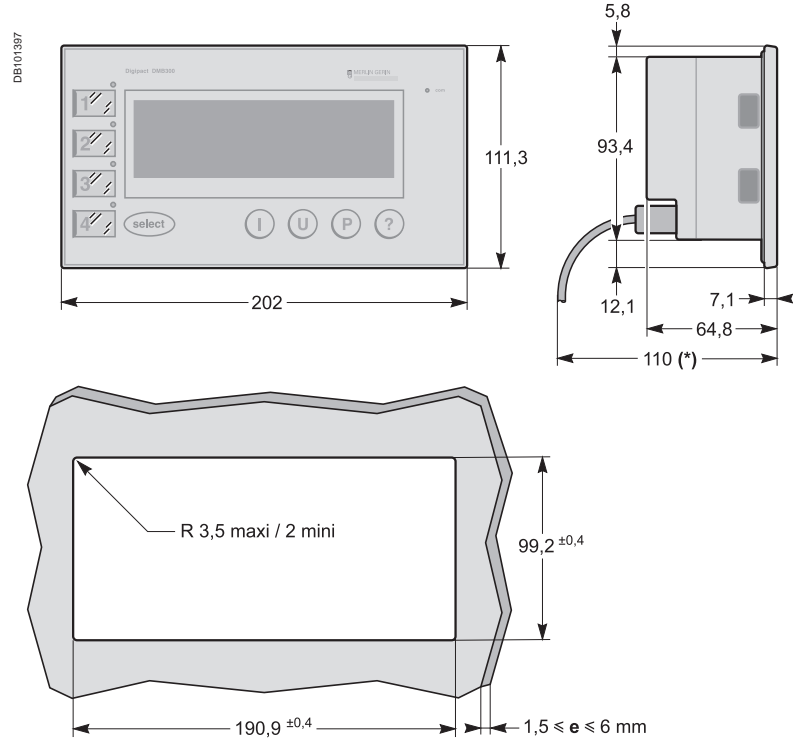
2 bars 100 x 5.



4 bars 125 x 5.

Installation and connection for Digipact DMB300

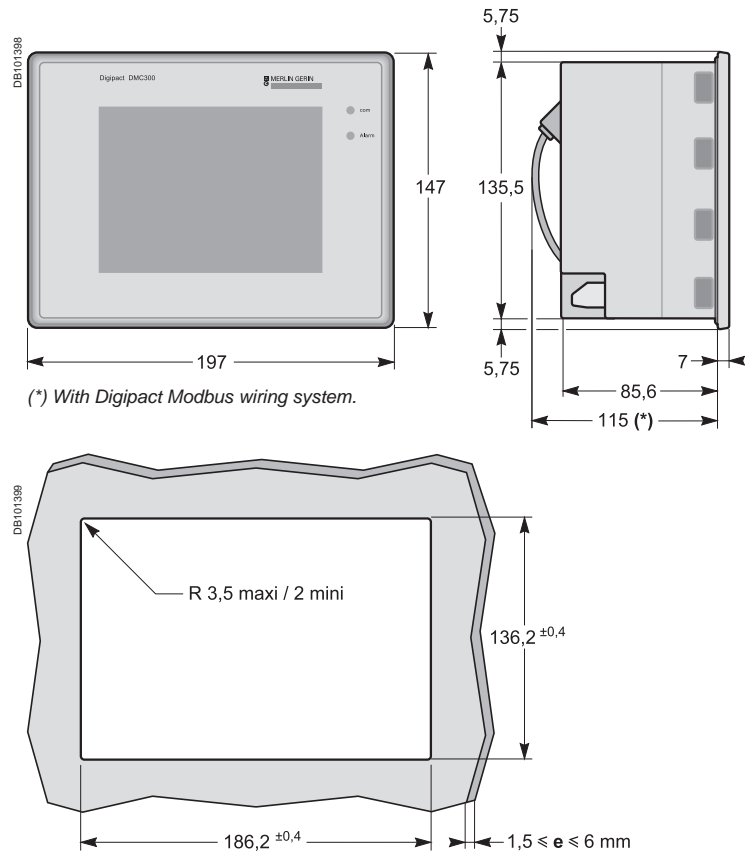
Dimensions and front-panel cut-out



(*) With Digipact wiring system.

Installation and connection for Digipact DMC300

Dimensions and front-panel cut-out



(*) With Digipact Modbus wiring system.