

ALPHA 8HP Molded-Plastic Distribution System

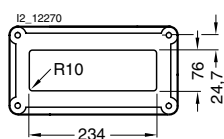
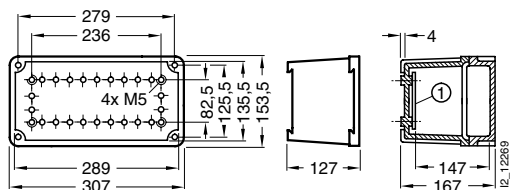
Single Enclosures

Dimensional drawings for single enclosures

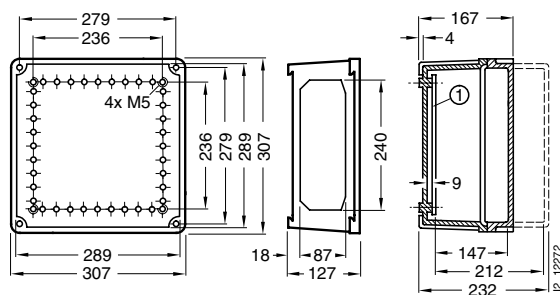
Dimensional drawings

Empty enclosures

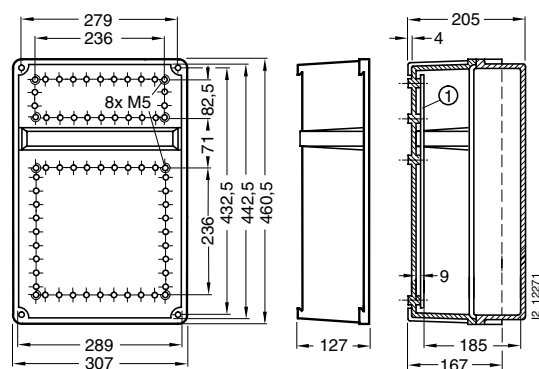
Empty enclosures, cover



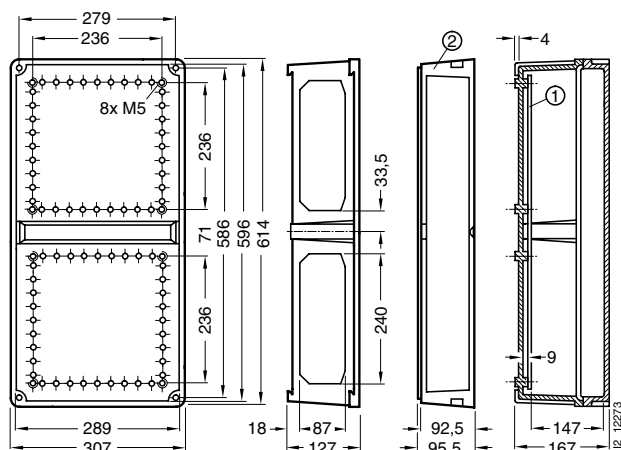
Enclosure size 1



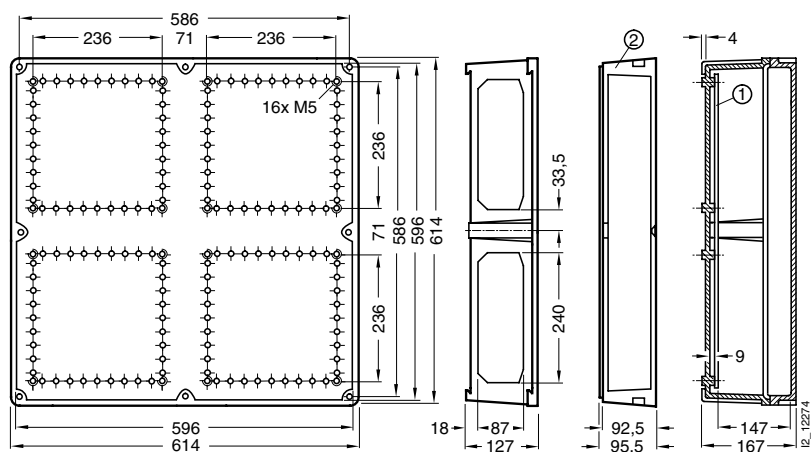
Enclosure size 2



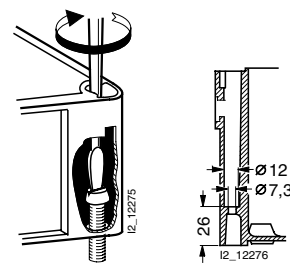
Enclosure size 2.5



Enclosure size 3



Enclosure size 4



Enclosure fixing

① Mounting plate, 2 mm thick

② Intermediate frames for increasing mounting depth (can be multi-stacked)

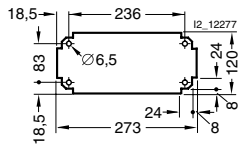
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Single Enclosures

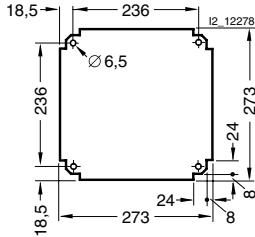
Dimensional drawings for single enclosures

Incoming feeder bay

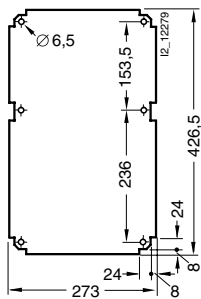
Steel sheet 2 mm thick, sendzimir-galvanized



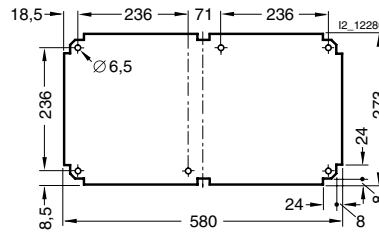
8HP6 301
for enclosure size 1



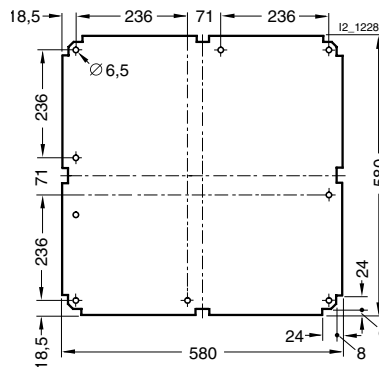
8HP6 302
for enclosure size 2



8HP6 307
for enclosure size 2.5

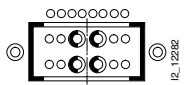


8HP6 303
for enclosure size 3

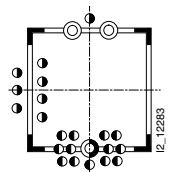


8HP6 304
for enclosure size 4

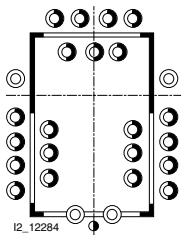
Knockouts for flange openings and cable entries



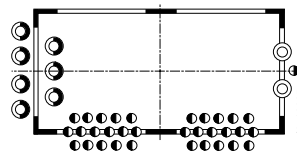
Enclosure size 1



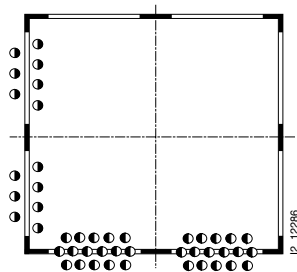
Enclosure size 2



Enclosure size 2.5



Enclosure size 3



Enclosure size 4

- Pg13.5
- Pg16
- Pg29
- ⊙ Pg21/Pg13.5
- ⊙ Pg29/Pg16
- ⊙ Pg48¹⁾/Pg29

Flange knockouts

If the knockouts do not meet requirements, end cover plates can be mounted with or without knockouts, [see page 7/36](#).

1) Also for joining enclosures with sealing frame.

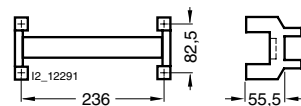
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Single Enclosures

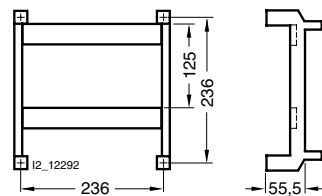
Dimensional drawings for single enclosures

Enclosures for modular installation devices with snap-on fixing

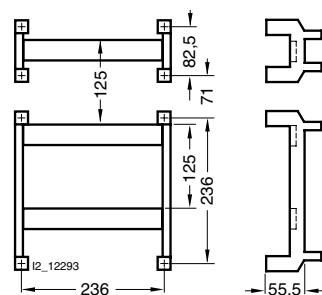
Complete assembly kits



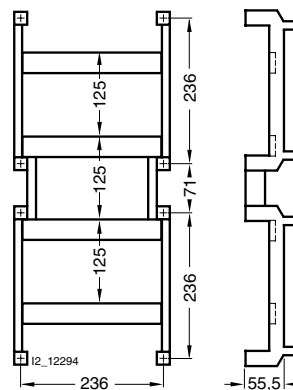
8HP5 531



8HP5 532

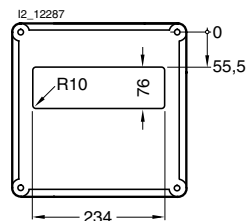


8HP5 533

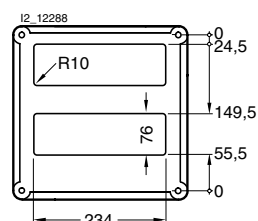


8HP5 534

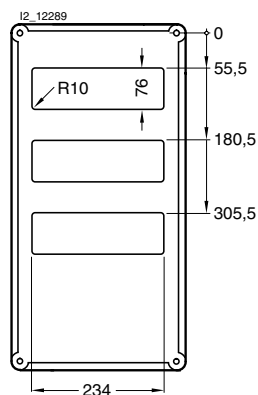
Cover with actuating flaps



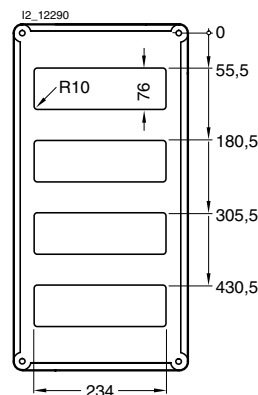
8HP1 351 for enclosure size 2
(8HP1 331 for enclosure size 1, not shown)



8HP1 352 for enclosure size 2



8HP1 353 for enclosure size 3



8HP1 354 for enclosure size 3

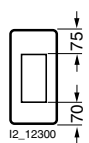
ALPHA 8HP Molded-Plastic Distribution System

Single Enclosures

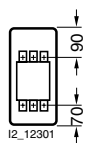
Dimensional drawings for single enclosures

Enclosures with fuse switch disconnectors

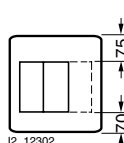
Connection compartments for fuse switch disconnectors



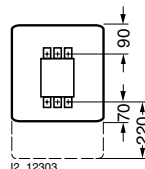
8HP2 437



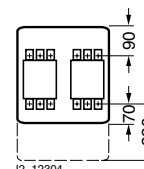
8HP2 438



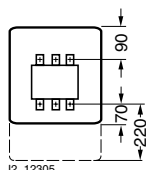
**8HP2 440 or
8HP2 441**
with 2 or 3 fuse
switch disconnectors



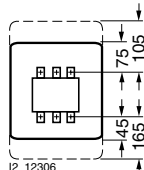
**8HP2 442
8HP2 445¹⁾**



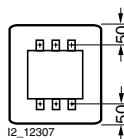
**8HP2 443
8HP2 446¹⁾**



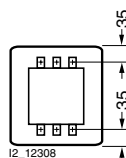
**8HP2 405
8HP2 426**



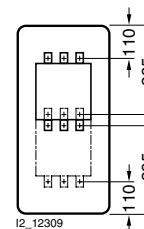
**8HP2 444
8HP2 447**



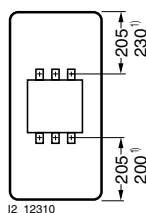
8HP2 410



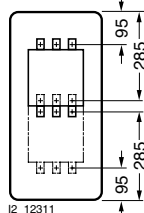
8HP2 414



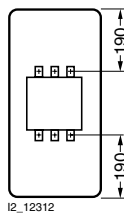
8HP2 411



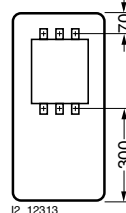
**8HP2 412
8HP2 448**



8HP2 415



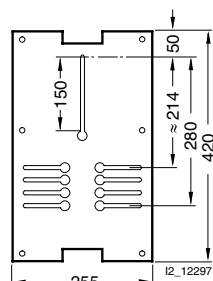
8HP2 416



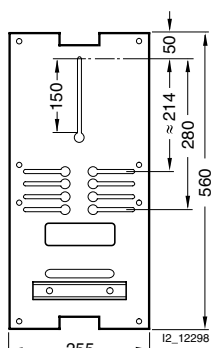
8HP2 417

Meter enclosures

ISO meter support plates



8HP6 111
for enclosure size 2.5



8HP6 112
for enclosure sizes 3 and 4

Dimensional drawings for meter enclosure accessories
see page 7/51.

2) With 3NP42 70-OCA01 switch, 3NY7 120 terminal.

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Single Enclosures

Dimensional drawings for single enclosures

Enclosures with main and EMERGENCY-STOP switches

Connection compartments for integrated switch disconnectors

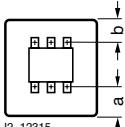


Diagram showing the connection compartment for enclosure size 2. It features a central square terminal block with four terminals. Dimensions 'a' and 'b' are indicated for the terminal spacing.

Type	a	b
3KA50	95	125
3KA53	95	95
3KA55	85	85
3KA57	85	85
3KE42	55	55
3KE43	55	55

I2_12315

Enclosure size 2

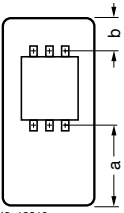


Diagram showing the connection compartment for enclosure size 3. It features a central square terminal block with four terminals. Dimensions 'a' and 'b' are indicated for the terminal spacing.

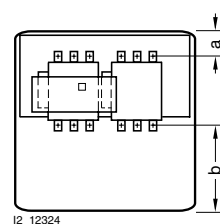
Type	a	b
3KA52	285	130
3KE43	285	130
3KE44	255	100
3KE45	250	95

I2_12316

Enclosure size 3

Enclosures with assembly kits for load transfer switches and parallel switches

Installation options for 3KE switch disconnectors



There are boreholes for 2 PEN terminals each, either 8JK4 04 (150 mm²) or 8JK4 06 (240 mm²) in the mounting plate.

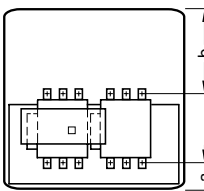


Diagram showing the installation of 3KE switch disconnectors in enclosure size 3. The switch is mounted on a terminal block. Dimensions 'a' and 'b' are indicated for the terminal spacing.

Type	a	b
3KE42	90	330
3KE43	90	330
3KE44	55	295

I2_12325

Enclosures for mounting 3VF circuit-breakers

Connection compartments for switch disconnectors

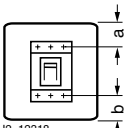


Diagram showing the connection compartment for enclosure size 2 for 3VF circuit-breakers. It features a central square terminal block with four terminals. Dimensions 'a' and 'b' are indicated for the terminal spacing.

Type	a	b
3VF3	69	91
3VF4	32	47
3VF5	27	37

I2_12318

Enclosure size 2

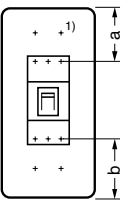


Diagram showing the connection compartment for enclosure size 3 for 3VF circuit-breakers. It features a central square terminal block with four terminals. Dimensions 'a' and 'b' are indicated for the terminal spacing.

Type	a	b
3VF4	186	200
3VF5	180	190
3VF6	126 ²⁾	130

I2_12319

Enclosure size 3

1) Switches can also be shifted 100 mm up or down.

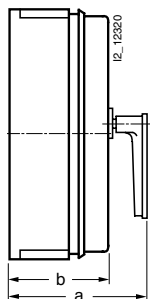
2) With busbar connectors.

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Single Enclosures

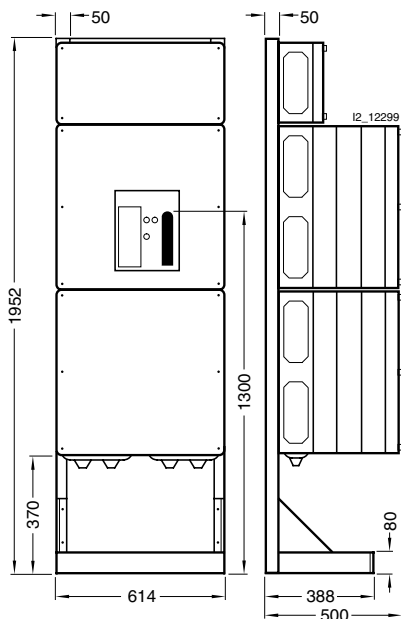
Dimensional drawings for single enclosures

Enclosures with main and EMERGENCY-STOP switches, with switch disconnectors with fuses and with circuit-breakers



Switches Type	Enclosure size	Coupling frame	Operating mechanism		a	b
3KA50, 3KL50	2	--	Knob 36 mm		300	232
3KA53, 3KL52	2	--	Knob 62 mm		300	232
3KA57, 3KL55	2	--	Handle 140 mm		322	232
3KE42, 3KE43	2	--	Handle 140 mm		322	232
3KE42, 3KE43	3	1	Handle 140 mm		350	260
3KE44, 3KE45	3	1	Handle 200 mm		350	260
3KE changeover contact	4	2	Double handle 280 mm		442	352
3VF4, 3VF5	3	1	Knob 62 mm		350	260
3VF6	3	1	Handle 140 mm		350	260
8HP4 11.	3 or 4	1	Double handle 280 mm		350	260

Incoming feeder bays for circuit-breakers up to 1800 A



8HP1 613, 8HP1 614