



Zenergy System
OM, ON, PT, VSD



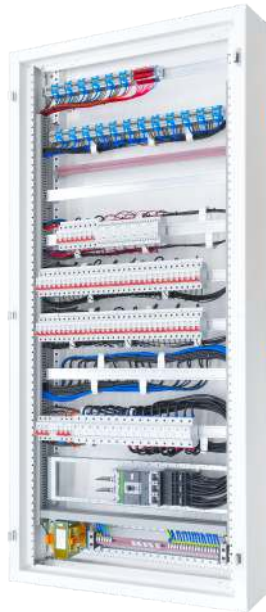
... the beginning of tomorrow

Zenergy OM

...modular perfection

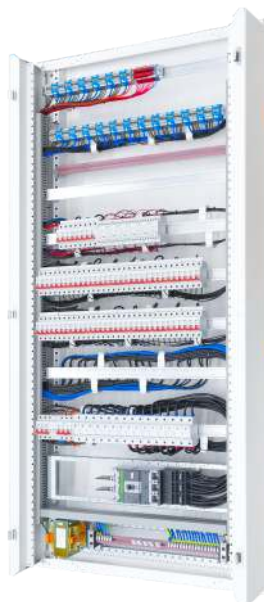
Maximum number
of modules
DIN-18mm = 624

Switchboards
with
IP30, 40, 41, 43, 44, 55



Breaker in fild
W=400
up to 800A , 3P

Fully integrated
system for compact
breakers installation



Technical Performance

Zenergy OM surface mounted switchboard up to 800A

Zenergy OM 800A switchboard is a system of metal enclosures with class I insulation. For power distribution installations, metering and control automation, designed for currents up to 800A. Enclosures are mainly used in residential, public buildings and industrial facilities.

Zenergy OM system brings many new possibilities, such as removable side panels. This allows configuration changes in switchboard without punching side panels and additional cable glands. Such extension can be also made during switchboard operation. The offer includes switchboards with protection degrees starting from IP30 up to IP55. Installation of electrical equipment and wires is possible directly on the rear panel of switchboard, so till the end of cabling, or maintenance service, installation of upper, or side panels and doors is not necessary. All electrical equipment in the switchboard is installed on DIN rails and dedicated mounting plates, so that the extension of the switchboard is very easy and comfortable, moreover front covers are mounted directly on the side panels of the enclosure.

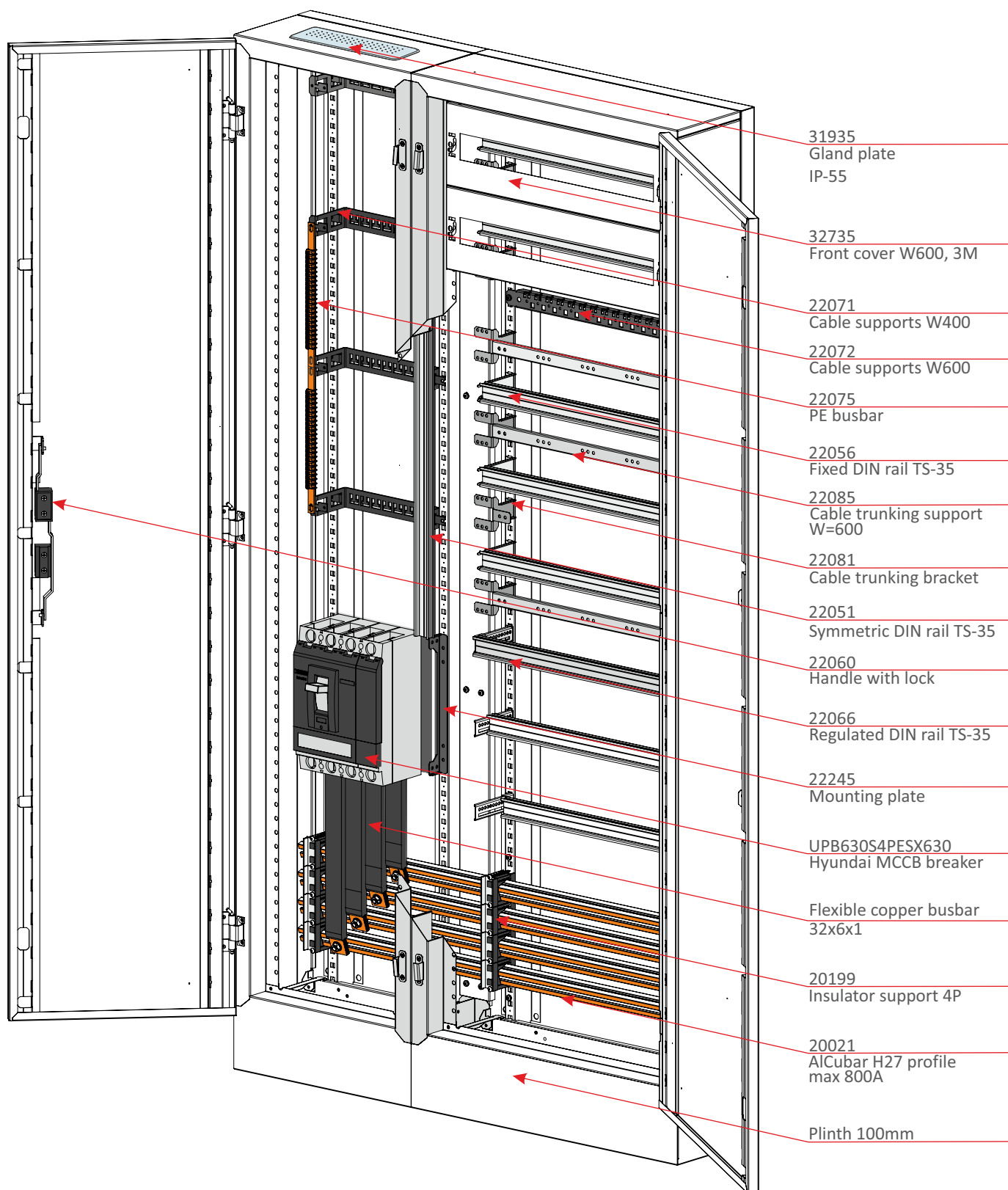
Besides of DIN rails and universal mounting plates, the offer includes special mounting kits, dedicated for circuit breakers and switch disconnectors produced by Hyundai and other manufacturers depending of customer needs. The kit includes plate with mounting holes and front cover with hole cut out for device.

Advantages of the switchboard

- 13 different heights: H = 550 to 2150mm for P=230mm and 1800 to 2150mm for P=300mm
- 6 different widths: D = 300, 400, 600, 800, 1000, 1200mm.
- The maximum number of DIN 18mm rail modules: 624.
- Combination of sets through expansion modules or middle upright, reduce the cost of the entire switchboard
- Depth of the cabinet 230mm with door (300mm on some models)
- Degrees of protection IP-30, 40, 41, 43, 44, 55.
- Fully integrated system for compact breakers using mounting plates.
- Zinc coated enclosure, powder paint coated RAL 7035, other colors available on request.
- Reversible door (opening to the left or right),
to be equipped with handle with key, or two independent rotary locks
- Possibility of extension without punching holes in side panels.
- Maximum breaker in housing body W=400 up to 800A, 3P.
- Removable plinth with IP-55 cable sealing plate
- Different top covers with covered holes for optional gland plates

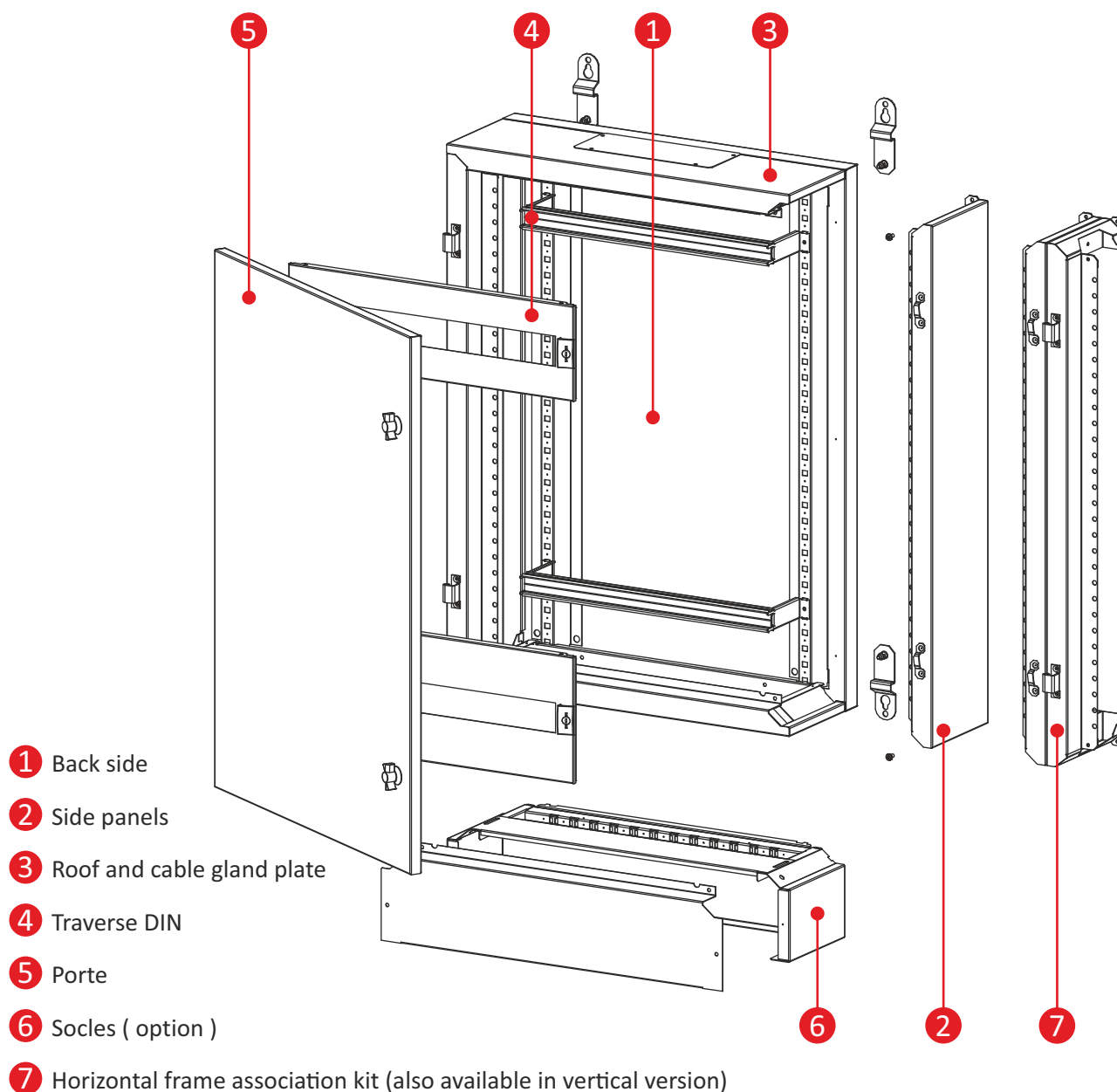
Multi	Zinc	Symmetric	Double	Easy	Breakers
					
height	coated	frame	frame	montage	max 800A

Presentation



Wall mounted housing instructions

Basic composition configuration



The instructions given in this document describe the assembly of Zenergy OM switchboards in compliance with certification EN 61439-1 and 2.

Electrical equipment should be installed, operated, serviced, and maintained only by qualified personnel.

Failure to follow the assembly instructions is the installer's responsibility. ZENEX is not responsible for any consequences arising from misuse of the product.

Las instrucciones proporcionadas en este documento describen el montaje de los cuadros Zenergy OM según la certificación EN 61439-1 y 2.

La instalación, manejo, puesta en servicio y mantenimiento de equipos eléctricos deberán

ser realizados sólo por personal cualificado. Es responsabilidad del instalador seguir todas las instrucciones de montaje. Zenex no se hace responsable de ninguna de las consecuencias derivadas del mal uso del producto.

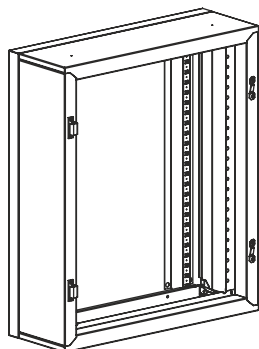
Instrukcje zawarte w niniejszym dokumencie opisują montaż rozdzielnic Zenergy OM zgodny z normami EN 61439-1 i 2.

Urządzenia elektryczne powinny być instalowane, użytkowane, konserwowane i utrzymywane jedynie przez wykwalifikowany personel.

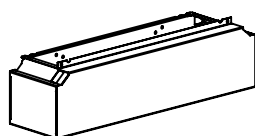
Stosowanie się do instrukcji montażu jest obowiązkiem instalatora. ZENEX nie ponosi odpowiedzialności za jakiegokolwiek skutki wynikające z złego wykorzystania produktu.

Wall mounted Enclosures

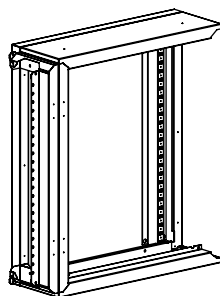
Configuration IP-30



Basic body IP30
H=800 W=600
28015



Socle W=600
06201



Extension body IP30
H=800 W=600
26115

Enclosure - Basic body IP-30

IP-30 D=230	■ / □	W=300 7 Mod	W=400 12 Mod	W=600 24 Mod	W=800 35 Mod	W=1000 46 Mod	W=1200 2x24 Mod
9mod. H=550	□	23009	24009	26009	28009	29009	22009
12mod. H=700	□	23012	24012	26012	28012	29012	22012
15mod. H=850	□	23015	24015	26015	28015	29015	22015
18mod. H=1000	□	23018	24018	26018	28018	29018	22018
21mod. H=1150	□	23021	24021	26021	28021	29021	22021
24mod. H=1300	□	23024	24024	26024	28024	29024	22024
27mod. H=1450	□	23027	24027	26027	28027	29027	22027
28mod. H=1600	■	23028	24028	26028	28028	29028	22028
29mod. H=1550	□	23029	24029	26029	28029	29029	22029
30mod. H=1700	■	23030	24030	26030	28030	29030	22030
33mod. H=1850	■	23033	24033	26033	28033	29033	22033
36mod. H=2000	■	23036	24036	26036	28036	29036	22036
39mod. H=2150	■	23039	24039	26039	28039	29039	22039

□ - Wall-mounted enclosures

■ - Enclosure with 100mm plinth

● For switchgear consisting of several enclosures, use one basic housing and one or more extensions

Enclosure - Extension body IP-30

IP-30 D=230	■ / □	W=300 7 Mod	W=400 12 Mod	W=600 24 Mod	W=800 35 Mod	W=1000 46 Mod
9mod. H=550	□	23109	24109	26109	28109	29109
12mod. H=700	□	23112	24112	26112	28112	29112
15mod. H=850	□	23115	24115	26115	28115	29115
18mod. H=1000	□	23118	24118	26118	28118	29118
21mod. H=1150	□	23121	24121	26121	28121	29121
24mod. H=1300	□	23124	24124	26124	28124	29124
27mod. H=1450	□	23127	24127	26127	28127	29127
28mod. H=1600	■	23128	24128	26128	28128	29128
29mod. H=1550	□	23129	24129	26129	28129	29129
30mod. H=1700	■	23130	24130	26130	28130	29130
33mod. H=1850	■	23133	24133	26133	28133	29133
36mod. H=2000	■	23136	24136	26136	28136	29136
39mod. H=2150	■	23139	24139	26139	28139	29139

□ - Wall-mounted enclosures

■ - Enclosure with 100mm plinth

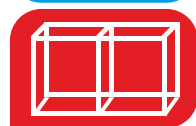
● For switchgear consisting of several enclosures, use one basic housing and one or more extensions

Symmetric



frame

Connection



frame

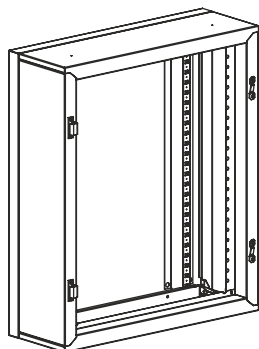
Multi



height

Wall mounted Enclosures

Configuration IP-55

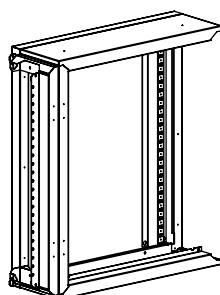


Basic body IP55
H=800 W=600 28515

Enclosure - Basic body IP-55

IP-55 D=230	■ / □	W=300 7 Mod	W=400 12 Mod	W=600 24 Mod	W=800 35 Mod	W=1000 46 Mod	W=1200 2x24 Mod
9mod. H=550	□	23509	24509	26509	28509	29509	22509
12mod. H=700	□	23512	24512	26512	28512	29512	22512
15mod. H=850	□	23515	24515	26515	28515	29515	22515
18mod. H=1000	□	23518	24518	26518	28518	29518	22518
21mod. H=1150	□	23521	24521	26521	28521	29521	22521
24mod. H=1300	□	23524	24524	26524	28524	29524	22524
27mod. H=1450	□	23527	24527	26527	28527	29527	22527
28mod. H=1600	■	23528	24528	26528	28528	29528	22528
29mod. H=1550	□	23529	24529	26529	28529	29529	22529
30mod. H=1700	■	23530	24530	26530	28530	29530	22530
33mod. H=1850	■	23533	24533	26533	28533	29533	22533
36mod. H=2000	■	23536	24536	26536	28536	29536	22536
39mod. H=2150	■	23539	24539	26539	28539	29539	22539

- - Wall-mounted enclosures ■ - Enclosure with 100mm plinth
● For switchgear consisting of several enclosures, use one basic housing and one or more extensions



Extension body IP55
H=800 W=600 26615

Enclosure - Extension body IP-55

IP-55 D=230	■ / □	W=300 7 Mod	W=400 12 Mod	W=600 24 Mod	W=800 35 Mod	W=1000 46 Mod
9mod. H=550	□	23609	24609	26609	28609	29609
12mod. H=700	□	23612	24612	26612	28612	29612
15mod. H=850	□	23615	24615	26615	28615	29615
18mod. H=1000	□	23618	24618	26618	28618	29618
21mod. H=1150	□	23621	24621	26621	28621	29621
24mod. H=1300	□	23624	24624	26624	28624	29624
27mod. H=1450	□	23627	24627	26627	28627	29627
28mod. H=1600	■	23628	24628	26628	28628	29628
29mod. H=1550	□	23629	24629	26629	28629	29629
30mod. H=1700	■	23630	24630	26630	28630	29630
33mod. H=1850	■	23633	24633	26633	28633	29633
36mod. H=2000	■	23636	24636	26636	28636	29636
39mod. H=2150	■	23639	24639	26639	28639	29639

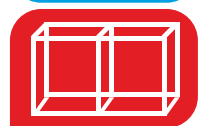
- - Wall-mounted enclosures ■ - Enclosure with 100mm plinth
● For switchgear consisting of several enclosures, use one basic housing and one or more extensions

Symmetric



frame

Connection



frame

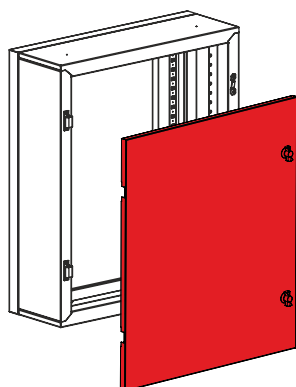
Multi



height

Wall mounted Enclosures

Configuration - Plain door



Plain door IP-30

IP-30	■ / □	W=300	W=400	W=600	W=800	W=1000
9mod. H=550		23209	24209	26209	28209	29209
12mod. H=700		23212	24212	26212	28212	29212
15mod. H=850		23215	24215	26215	28215	29215
18mod. H=1000		23218	24218	26218	28218	29218
21mod. H=1150		23221	24221	26221	28221	29221
24mod. H=1300	□	23224	24224	26224	28224	29224
27mod. H=1450	□	23227	24227	26227	28227	29227
28mod. H=1600	■ □	23228	24228	26228	28228	29228
29mod. H=1550	□	23229	24229	26229	28229	29229
30mod. H=1700	■ □	23230	24230	26230	28230	29230
33mod. H=1850	■ □	23233	24233	26233	28233	29233
36mod. H=2000	■ □	23236	24236	26236	28236	29236
39mod. H=2150	■ □	23239	24239	26239	28239	29239

* For width 1200mm provide two 600mm doors or one 800mm door + one 400mm door

□ Can be equipped with a handle and a lock ref. 22060 ■ Enclosure with plinth 100mm

Doors are reversible (opening to the left or right), in standard need to be equipped with two independent rotary locks ref.22061 / 22062

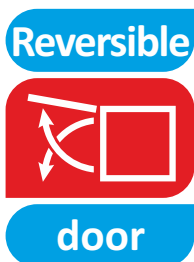
Plain door IP-55

IP-55		W=300	W=400	W=600	W=800	W=1000
9mod. H=550		23709	24709	26709	28709	29709
12mod. H=700		23712	24712	26712	28712	29712
15mod. H=850		23715	24715	26715	28715	29715
18mod. H=1000		23718	24718	26718	28718	29718
21mod. H=1150		23721	24721	26721	28721	29721
24mod. H=1300	□	23724	24724	26724	28724	29724
27mod. H=1450	□	23727	24727	26727	28727	29727
28mod. H=1600	■ □	23728	24728	26728	28728	29728
29mod. H=1550	□	23729	24729	26729	28729	29729
30mod. H=1700	■ □	23730	24730	26730	28730	29730
33mod. H=1850	■ □	23733	24733	26733	28733	29733
36mod. H=2000	■ □	23736	24736	26736	28736	29736
39mod. H=2150	■ □	23739	24739	26739	28739	29739

* For width 1200mm provide two 600mm doors or one 800mm door + one 400mm door

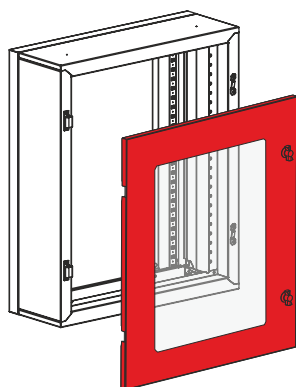
□ Can be equipped with a handle and a lock ref. 22060 ■ Enclosure with plinth 100mm

Doors are reversible (opening to the left or right), in standard need to be equipped with two independent rotary locks ref.22061 / 22062



Wall mounted Enclosures

Configuration - Plain door



2 x 22061

Transparent door IP-40

IP-40	■ / □	W=300	W=400	W=600	W=800	W=1000
9mod. H=550		23409	24409	26409	28409	29409
12mod. H=700		23412	24412	26412	28412	29412
15mod. H=850		23415	24415	26415	28415	29415
18mod. H=1000		23418	24418	26418	28418	29418
21mod. H=1150		23421	24421	26421	28421	29421
24mod. H=1300	□	23424	24424	26424	28424	29424
27mod. H=1450	□	23427	24427	26427	28427	29427
28mod. H=1600	■ □	23428	24428	26428	28428	29428
29mod. H=1550	□	23429	24429	26429	28429	29429
30mod. H=1700	■ □	23430	24430	26430	28430	29430
33mod. H=1850	■ □	23433	24433	26433	28433	29433
36mod. H=2000	■ □	23436	24436	26436	28436	29436
39mod. H=2150	■ □	23439	24439	26439	28439	29439

* For width 1200mm provide two 600mm doors or one 800mm door + one 400mm door

□ Can be equipped with a handle and a lock ref. 22060 ■ Enclosure with plinth 100mm

Doors are reversible (opening to the left or right), in standard need to be equipped with two independent rotary locks ref.22061 / 22062

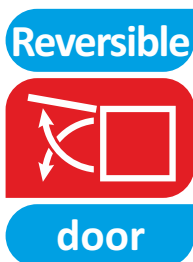
Drzwi transparentne IP-55

IP-55		W=300	W=400	W=600	W=800	W=1000
9mod. H=550		23909	24909	26909	28909	29909
12mod. H=700		23912	24912	26912	28912	29912
15mod. H=850		23915	24915	26915	28915	29915
18mod. H=1000		23918	24918	26918	28918	29918
21mod. H=1150		23921	24921	26921	28921	29921
24mod. H=1300	□	23924	24924	26924	28924	29924
27mod. H=1450	□	23927	24927	26927	28927	29927
28mod. H=1600	■ □	23928	24928	26928	28928	29928
29mod. H=1550	□	23929	24929	26929	28929	29929
30mod. H=1700	■ □	23930	24930	26930	28930	29930
33mod. H=1850	■ □	23933	24933	26933	28933	29933
36mod. H=2000	■ □	23936	24936	26936	28936	29936
39mod. H=2150	■ □	23939	24939	26939	28939	29939

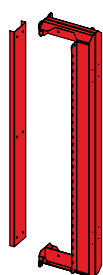
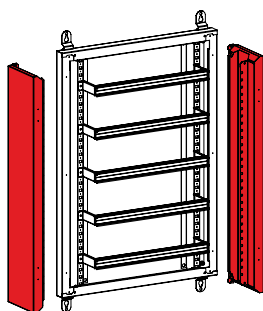
* For width 1200mm provide two 600mm doors or one 800mm door + one 400mm door

□ Can be equipped with a handle and a lock ref. 22060 ■ Enclosure with plinth 100mm

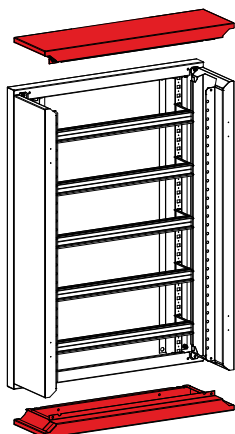
Doors are reversible (opening to the left or right), in standard need to be equipped with two independent rotary locks ref.22061 / 22062



Wall mounted Enclosures



Horizontal association kit



Vertical association kit

Height	Cover - Side				Extension - Culvert			
	IP □ / ■	References D=230 / D=300	IP □ / ■	References D=230 / D=300	IP □ / ■	References D=230 / D=300	IP □ / ■	References D=230 / D=300
9mod. H=550	□	00209	■	00309	□	00409	■	00509
12mod. H=700	□	00212	■	00312	□	00412	■	00512
15mod. H=850	□	00215	■	00315	□	00415	■	00515
18mod. H=1000	□	00218	■	00318	□	00418	■	00518
21mod. H=1150	□	00221	■	00321	□	00421	■	00521
24mod. H=1300	□	00224	■	00324	□	00424	■	00524
27mod. H=1450	□	00227	■	00327	□	00427	■	00527
28mod. H=1600	□	00228	■	00328	□	00428	■	00528
29mod. H=1550	□	00229	■	00329	□	00429	■	00529
30mod. H=1700	□	00230	■	00330	□	00430	■	00530
33mod. H=1850	□	00233 / 00234	■	00333 / 00334	□	00433 / 00434	■	00533 / 00534
36mod. H=2000	□	00236 / 00237	■	00336 / 00337	□	00436 / 00437	■	00536 / 00537
39mod. H=2150	□	00239 / 00240	■	00339 / 00340	□	00439 / 00440	■	00539 / 00540

□ Degree of protection IP-30

■ Degree of protection IP-55

Horizontal IP-30, IP-55, Cover, Extension

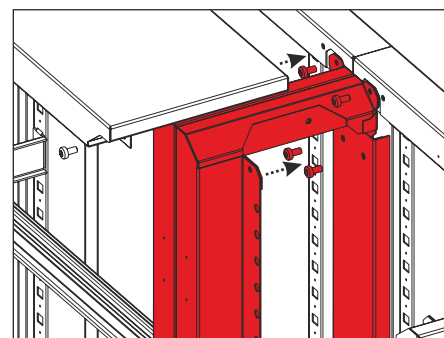
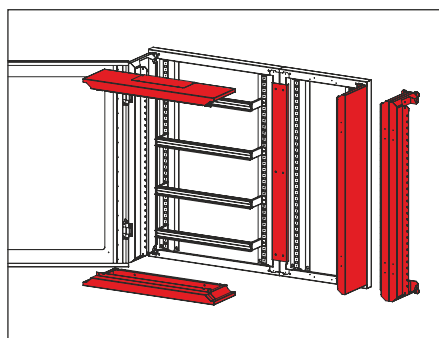
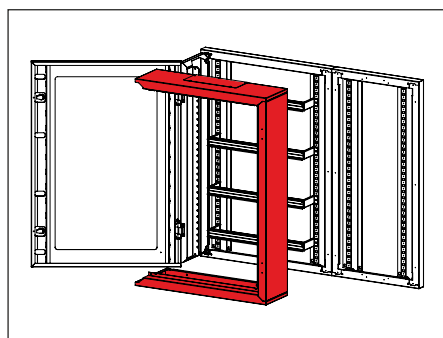
Width	IP □ / ■	Without hole D=230 / D=300	1 Hole * D=230 / D=300	2 Hole * D=230 / D=300	3 Hole * D=230 / D=300	4 Hole * D=230 / D=300	Extension D=230 / D=300
		D=230 / D=300	D=230 / D=300	D=230 / D=300	D=230 / D=300	D=230 / D=300	D=230 / D=300
9mod. W=300	□	03200 / 03240	03203 / 03243	-	-	-	03206 / 03246
	■	03300 / 03340	03303 / 03343	-	-	-	03306 / 03346
12mod. W=400	□	04200 / 04240	04203 / 04243	-	-	-	04206 / 04246
	■	04300 / 04340	04303 / 04343	-	-	-	04306 / 04346
24mod. W=600	□	06200 / 06240	06203 / 06243	06204 / 06244	-	-	06206 / 06246
	■	06300 / 06340	06303 / 06343	06304 / 06344	-	-	06306 / 06346
35mod. W=800	□	08200 / 08240	08203 / 08243	08204 / 08244	08205 / 08245	-	08206 / 08246
	■	08300 / 08340	08303 / 08343	08304 / 08344	08305 / 08345	-	08306 / 08346
46mod. W=1000	□	09200 / 09240	09203 / 09243	09204 / 09244	09205 / 09245	-	09206 / 09246
	■	09300 / 09340	09303 / 09343	09304 / 09344	09305 / 09345	-	09306 / 09346
2x24mod W=1200	□	02200 / 02240	02203 / 02243	02204 / 02244	02205 / 02245	02206 / 02246	-
	■	02300 / 02340	02303 / 02343	02304 / 02344	02305 / 02345	02306 / 02345	-

□ Degree of protection IP-30

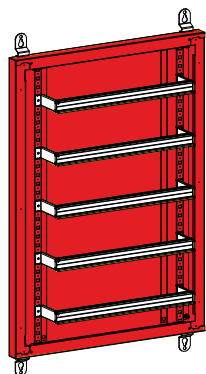
■ Degree of protection IP-55

* Cover with 81 x 222mm hole, optional gland plate ref.31935

Installation extension - culvert



Configuration - Composants



Rear Cover IP-30

IP-30	□ / ▣	W=300 7 Mod	W=400 12 Mod	W=600 24 Mod	W=800 35 Mod	W=1000 46 Mod	W=1200 2x24 Mod
9mod. H=550	□	03209	04209	06209	08209	09209	02209
12mod. H=700	□	03212	04212	06212	08212	09212	02212
15mod. H=850	□	03215	04215	06215	08215	09215	02215
18mod. H=1000	□	03218	04218	06218	08218	09218	02218
21mod. H=1150	□	03221	04221	06221	08221	09221	02221
24mod. H=1300	□	03224	04224	06224	08224	09224	02224
27mod. H=1450	□	03227	04227	06227	08227	09227	02227
28mod. H=1600	▣	03228	04228	06228	08228	09228	02228
29mod. H=1550	□	03229	04229	06229	08229	09229	02229
30mod. H=1700	▣	03230	04230	06230	08230	09230	02230
33mod. H=1850	▣	03233	04233	06233	08233	09233	02233
36mod. H=2000	▣	03236	04236	06236	08236	09236	02236
39mod. H=2150	▣	03239	04239	06239	08239	09239	02239

□ - Enclosure without plinth

▣ - Enclosure with 100mm plinth

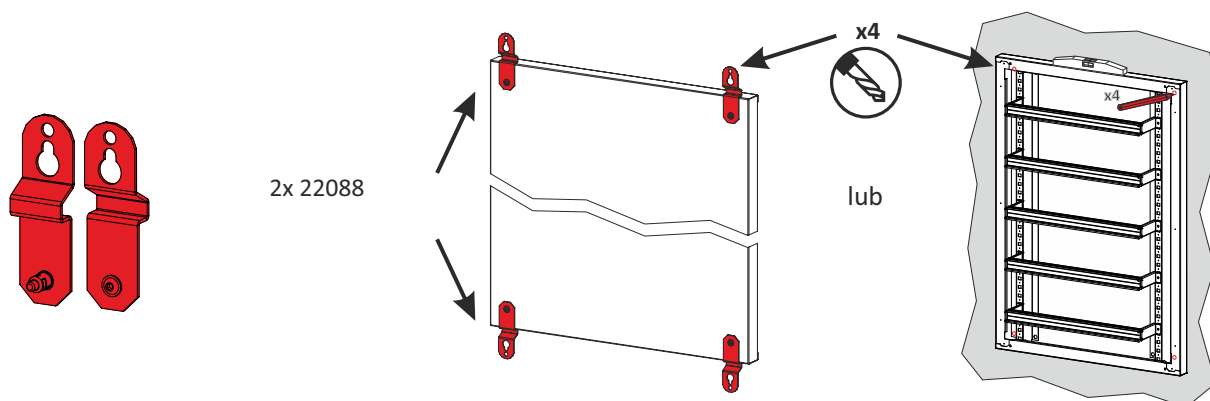
Rear Cover IP-55

IP-55	□ / ▣	W=300 7 Mod	W=400 12 Mod	W=600 24 Mod	W=800 35 Mod	W=1000 46 Mod	W=1200 2x24 Mod
9mod. H=550	□	03309	04309	06309	08309	09309	02309
12mod. H=700	□	03312	04312	06312	08312	09312	02312
15mod. H=850	□	03315	04315	06315	08315	09315	02315
18mod. H=1000	□	03318	04318	06318	08318	09318	02318
21mod. H=1150	□	03321	04321	06321	08321	09321	02321
24mod. H=1300	□	03324	04324	06324	08324	09324	02324
27mod. H=1450	□	03327	04327	06327	08327	09327	02327
28mod. H=1600	▣	03328	04328	06328	08328	09328	02328
29mod. H=1550	□	03329	04329	06329	08329	09329	02329
30mod. H=1700	▣	03330	04330	06330	08330	09330	02330
33mod. H=1850	▣	03333	04333	06333	08333	09333	02333
36mod. H=2000	▣	03336	04336	06336	08336	09336	02336
39mod. H=2150	▣	03339	04339	06339	08339	09339	02339

□ - Enclosure without plinth

▣ - Enclosure with 100mm plinth

Mounting rear cover



Wall mounted Enclosures

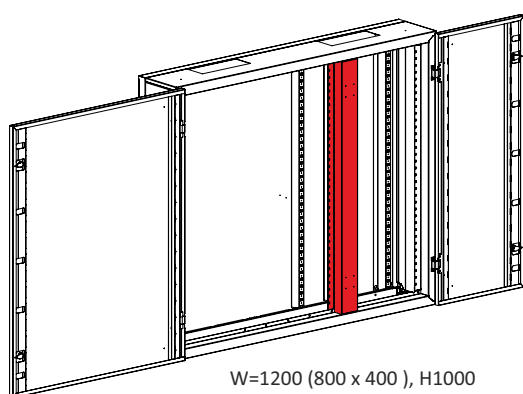
Configuration - Composants

Middle uprights, W1200 IP30, IP55

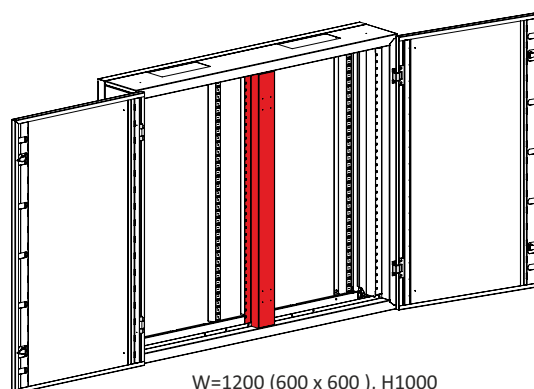
IP-30	H=550	H=700	H=850	H=1000	H=1150	H=1300	H=1450	H=1600	H=1550	H=1700	H=1850	H=2000	H=2150
Referencje	00609	00612	00615	00618	00621	00624	00627	00628	00629	00630	00633	00636	00639

IP-55	H=550	H=700	H=850	H=1000	H=1150	H=1300	H=1450	H=1600	H=1550	H=1700	H=1850	H=2000	H=2150
Referencje	00709	00712	00715	00718	00721	00724	00727	00728	00729	00730	00733	00736	00739

Two possibilities:



W=1200 (800 x 400), H1000
00618



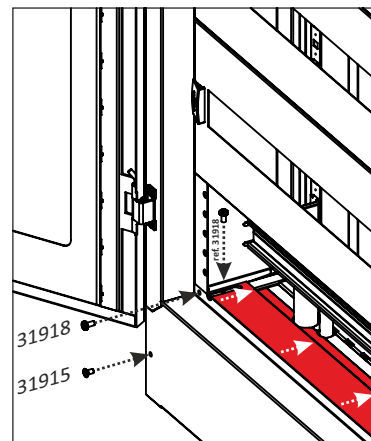
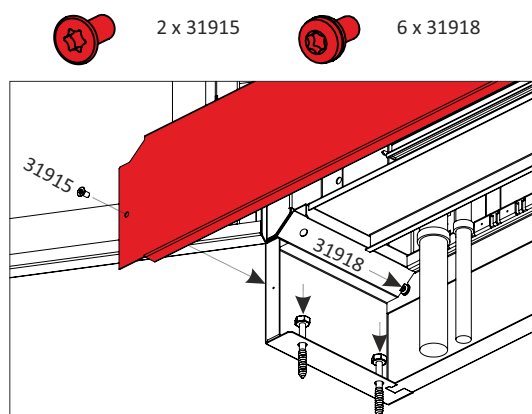
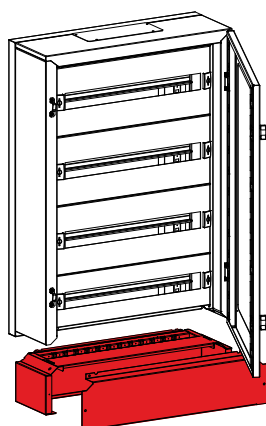
W=1200 (600 x 600), H1000
00618

Installation of the P230 and 300mm base

Plinth IP-30, IP-55

Degree of protection	W=300 D=230 / D=300	W=400 D=230 / D=300	W=600 D=230 / D=300	W=800 D=230 / D=300	W=1000 D=230 / D=300	W=1200 D=230 / D=300
IP-30 / H=100mm*	03201 / 03241	04201 / 04241	06201 / 06241	08201 / 08241	09201 / 09241	02201 / 02241
IP-55 / H=100mm*	03301 / 03341	04301 / 04341	06301 / 06341	08301 / 08341	09301 / 09341	02301 / 02341

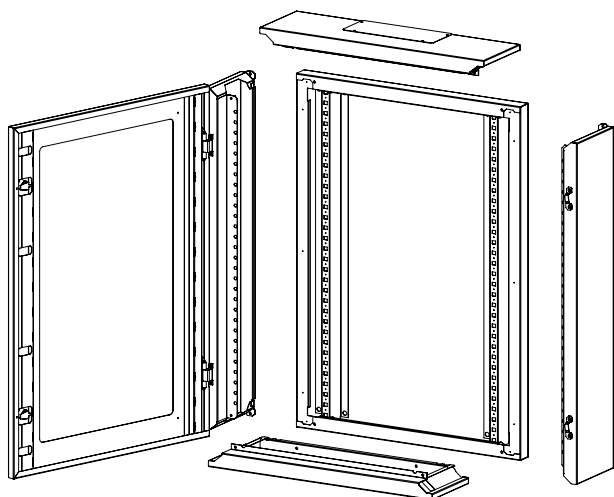
* Plinth height H=100mm



Wall mounted Enclosures

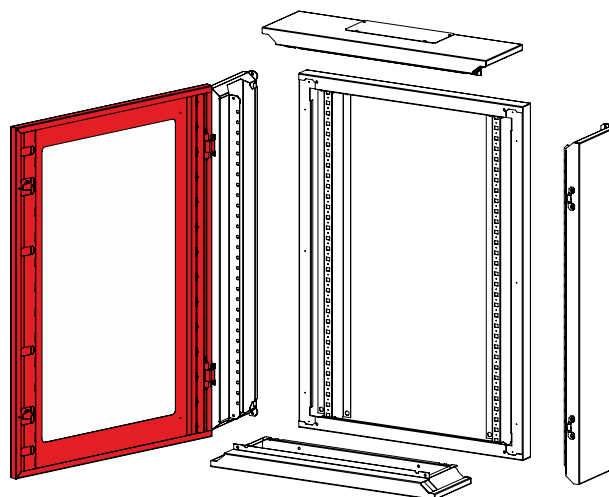
Choice of products according to degree

IP-30



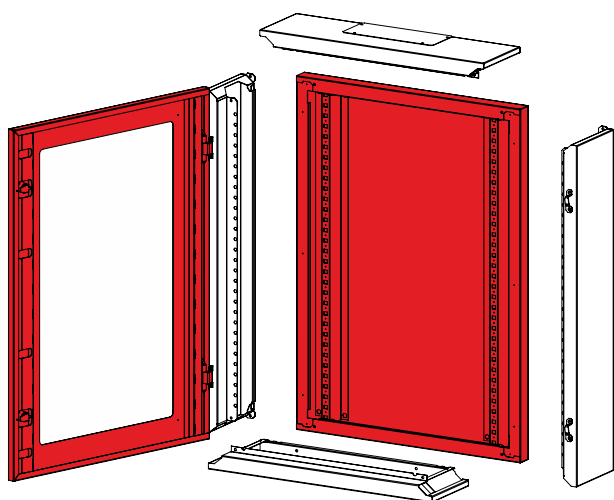
□ - Element without gaskets IP30 ■ - Element with gaskets IP55

IP-40



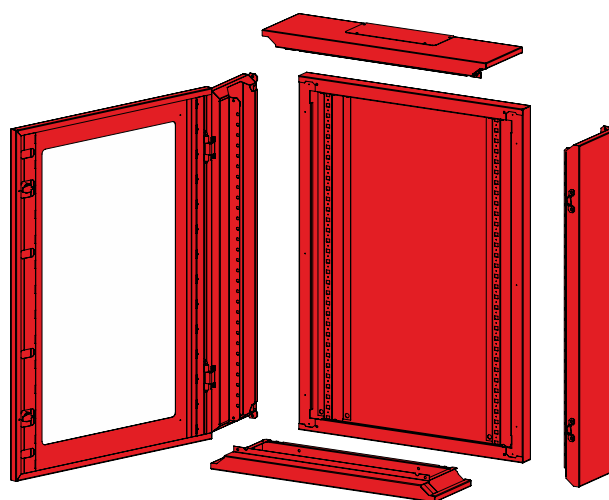
□ - Element without gaskets IP30 ■ - Element with gaskets IP55

IP-31, IP-41



□ - Element without gaskets IP30 ■ - Element with gaskets IP55

IP-43, IP-44, IP-55



□ - Element without gaskets IP30 ■ - Element with gaskets IP55

Wall mounted Enclosures

Front plates, mounting plates

Zinc coated plain mounting plate

Module H=50mm	■ / □	W=300	W=400	W=600	W=800	W=1000
1 module	□	22301	22401	22601	22801	22901
2 modules	□	22302	22402	22602	22802	22902
3 modules	□	22303	22403	22603	22803	22903
4 modules	□	22304	22404	22604	22804	22904
5 modules	□	22305	22405	22605	22805	22905
6 modules	□	22306	22406	22606	22806	22906
8 modules	□	22308	22408	22608	22808	22908
9 modules	□	22309	22409	22609	22809	22909
10 modules	□	22310	22410	22610	22810	22910
12 modules	□	22311	22411	22611	22811	22911
12 modules	■	22312	22412	22612	22812	22912
15 modules	■	22315	22415	22615	22815	22915
18 modules	■	22318	22418	22618	22818	22918
21 modules	■	22321	22421	22621	22821	22921
24 modules	■	22324	22424	22624	22824	22924
27 modules	■	22327	22427	22627	22827	22927
28 modules	■	22328	22428	22628	22828	22928
29 modules	■	22329	22429	22629	22829	22929
30 modules	■	22330	22430	22630	22830	22930
33 modules	■	22333	22433	22633	22833	22933
36 modules	■	22336	22436	22636	22836	22936
39 modules	■	22339	22439	22639	22839	22939

□ - Mounting plate

■ - Plain mounting plate + 40mm

*The brackets can also be ordered separately ref. 22089 (D=230mm) 22099 (D=300mm)

Plain front cover

Module H=50mm	W=300	W=400	W=600	W=800	W=1000
1 modules	22231	32510	32710	32910	22211
2 modules	22232	32520	32720	32920	22212
3 modules	22233	32530	32730	32930	22213
4 modules	22234	32540	32740	32940	22214
5 modules	22235	32550	32750	32950	22215
6 modules	22236	32560	32760	32960	22216
7 modules	22237	32570	32770	32970	22217
8 modules	22238	32580	32780	32980	22218
9 modules	22239	32590	32790	32990	22219
10 modules	22240	32591	32791	32991	22220
11 modules	22241	32592	32792	32992	22221
12 modules	22242	32593	32793	32993	22222

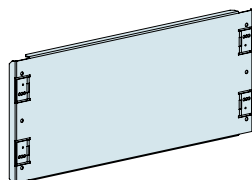
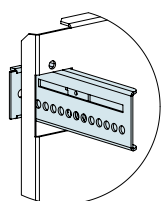
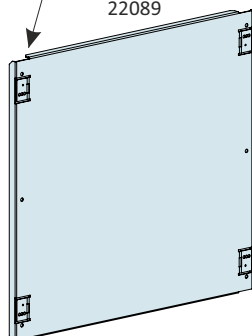


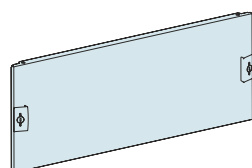
Plate without brackets
22604*



Installing bracket
22089



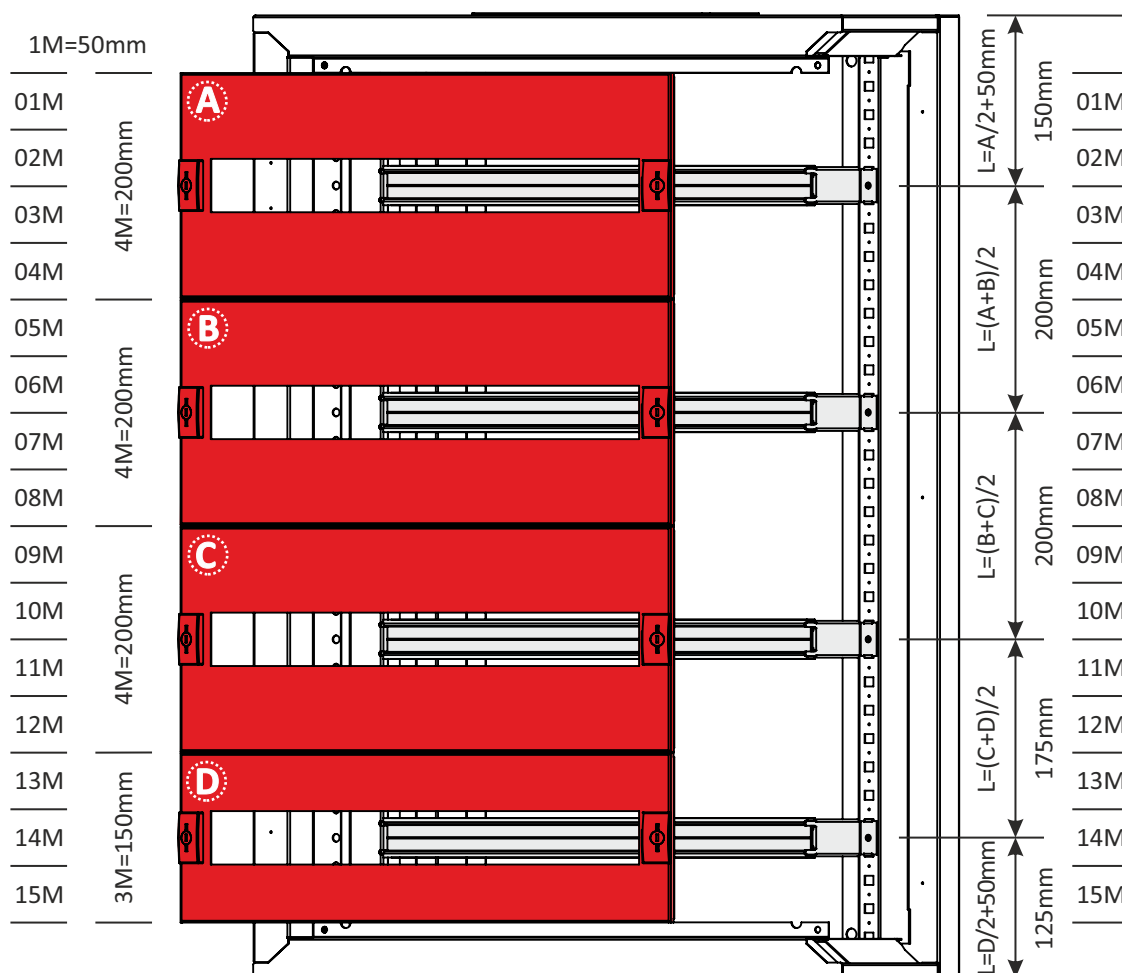
22612



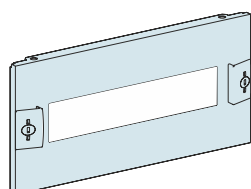
32730

Installation of modular brackets and covers

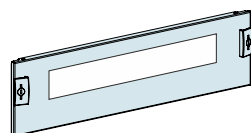
Example housing: reference back 06215 - 15M/24m H850 x L600



Horizontal DIN modular front panels



3M/24m 32735



2,5M/24m 32726

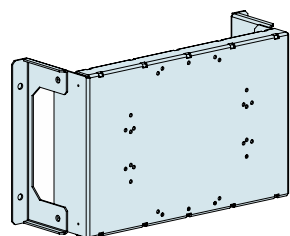
Front cover for modular equipment

Modules = 50mm	W=300 7 Mod	W=400 12 Mod	W=600 24 Mod	W=800 35 Mod	W=1000 46 Mod
2 modules	22250	32525	32725	32925	22255
2,5 module	22251	32526	32726	32926	22256
3 modules	22252	32535	32735	32935	22257
4 modules	22253	32545	32745	32945	22258
5 modules	22254	32555	32755	32955	22259

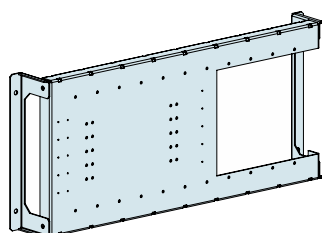
Wall mounted Enclosures

Front plates, mounting plates Hyundai, Schneider Electric

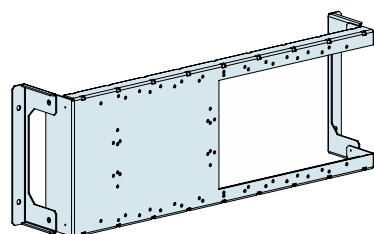
Front plates, mounting plates W=400, W=600



W=400 5M 22245



W=600 4M 22264



W=800 3M 22263

Mounting plate	Front plate	Type breaker	Poles	■/□	M.plate ref. no. W=400	F.plate ref. no. W=400	M.plate ref. no. W=600	F.plate ref. no. W=600
3M	5M	UCB 100	3/4P	■	22243	38549	22263	38749
	5M	UCB 160-250	3/4P	■		38550		38750
	3M	UCB 100	3P	□		38534		38734
	4M	UCB 100	4P	□		38544		38744
	3M	UCB 160-250	3P	□		38535		38735
	3M	UPB 100-250	3P	□		38435		38635
4M	5M	UPB 100-250	3/4P	■	22244	38450	22264	38650
	3M	UPB 100-250	3P	□		38435		38635
	4M	UPB 100-250	4P	□		38445		38645
	4M	UCB 160-250	4P	□		38545		38745
	4M	UCB 400	3P	□		-		38746
	4M	UPB 400-630	3P	□		-		38646
5M	9M	UCB 400	3/4P	■	22245	38591	22265	38791
	9M	UPB 400-630	3/4P	■		38491		38691
	5M	UCB 400	4P	□		-		38756
	5M	UPB 400-630	4P	□		-		38656
6M	9M	UCB 630-800	3P	■	22246	38592	22266	38792
	9M	UCB 630-800	4P	■		-		38793
	6M	UCB 630-800	3P	□		-		38767
7M	7M	UCB 630-800	4P	□	22247	-	22267	38777

• Plates are adjustable for 230 and 300mm

• All boards are compatible with D=230 and D=300mm

Platine de montage, plastron W=800, W=1000

Mounting plate	Front plate	Type breaker	Poles	■/□	M.plate ref. no. W=800	F.plate ref. no. W=800	M.plate ref. no. W=1000	F.plate ref. no. W=1000
3M	5M	UCB 100	3/4P	■	22283	38949	22203	38149
	5M	UCB 160-250	3/4P	■		38950		38150
	3M	UCB 100	3P	□		38934		38134
	4M	UCB 100	4P	□		38944		38144
	3M	UCB 160-250	3P	□		38935		38135
	3M	UPB 100-250	3P	□		38835		38035
4M	5M	UPB 100-250	3/4P	■	22284	38850	22204	38050
	3M	UPB 100-250	3P	□		38835		38035
	4M	UPB 100-250	4P	□		38845		38045
	4M	UCB 160-250	4P	□		38945		38145
	4M	UCB 400	3P	□		38946		38146
	4M	UPB 400-630	3P	□		38846		38046
5M	9M	UCB 400	3/4P	■	22285	38991	22205	38191
	9M	UPB 400-630	3/4P	■		38891		38091
	5M	UCB 400	4P	□		38956		38156
	5M	UPB 400-630	4P	□		38856		38056
6M	9M	UCB 630-800	3P	■	22286	38992	22206	38192
	9M	UCB 630-800	4P	■		38993		38193
	6M	UCB 630-800	3P	□		38967		38167
7M	7M	UCB 630-800	4P	□	22287	38977	22207	38177

• Plates are adjustable for 230 and 300mm

• All boards are compatible with D=230 and D=300mm

Mounting plate + front plate W=400, W=600, W=800, W=1000

Hauteur platine	Hauteur plastron	Type de disjoncteur	Poles	■/□	Platine D=400	Plastron D=400	Platine D=600	Plastron D=600	Platine D=800	Plastron D=800	Platine D=1000	Plastron D=1000
3M	5M	NSX100-250	3/4P	■	22461	34533	22661	34733	22861	34933	22961	22981
	3M	NSX100-250	3P	□		34537		34737		34937		22982
	5M	INS/INV100-250	3/4P	■		34511		34711		34911		22971
4M	4M	NSX100-250	4P	□	22462	34541	22662	34741	22862	34941	22962	22983
	4M	NSX400-630	3P	□		34562		34762		34962		22992
	4M	INS/INV100-250	3/4P	□		34512		34712		34912		22972
5M	9M	NSX400-630	3/4P	■	22463	34556	22663	34759	22863	34959	22963	22991
	5M	NSX400-630	4P	□		34566		34766		34966		22991
	9M	INS/INV320-630	3/4P	■		34513		34713		34913		22973
	9M	INS/INV320-630	3/4P	□		34514		34714		34914		22974

■ Montage vertical, □ Montage horizontal

• Plates are adjustable for 230 and 300mm

Wall mounted Enclosures

Disconnectors with HPC fuses (high breaking capacity)

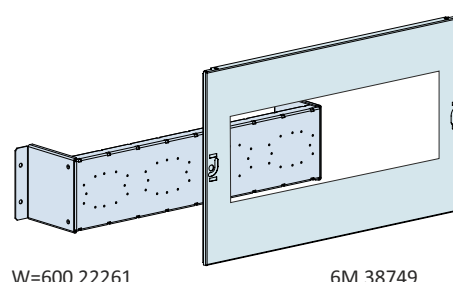
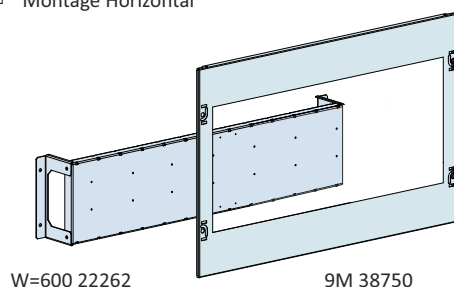
Front plates, mounting plates W=600, W=800, W=1000

Width W	Number of modules Mounting plates	Front cover	Type breaker NH-00, NH-1	■/□	Monting plate ref.number	Front plate ref.number
W=600	3M	6M	4x160A	■	22261	36660
	4M	9M	2x250A	■	22262	36670
W=800	3M	6M	6x160A	■	22281	36960
	4M	9M	3x250A	■	22282	36970
W=1000	3M	6M	7x160A	■	22201	22223
	4M	9M	4x250A	■	22202	22224

- Montage Vertical,
- Montage Horizontal

● Plates are adjustable for 230 and 300mm

● All boards are compatible with P=230 and P=300mm



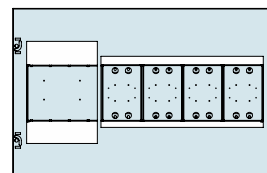
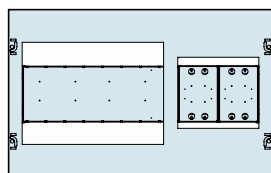
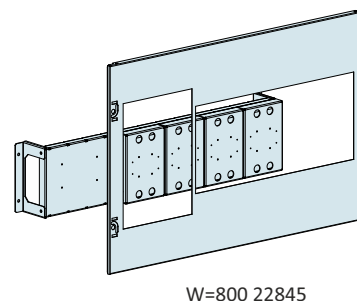
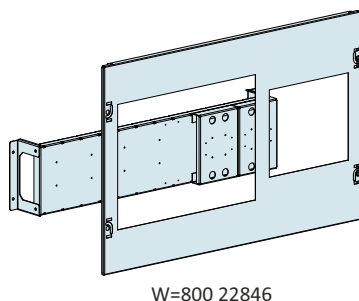
Kit mounting plate + front plate W = 600, W = 800, W = 1000

Width W	Number of modules Mounting plates	Front cover	Typ breakers NH-00, NH-1	■/□	Mounting plate kit + breastplate
W=600	3M	6M	4x160A	■	22644
	4M	9M	1x250A + 2x160A	■	22645
	4M	9M	2x250A	■	22646
W=800	3M	6M	6x160A	■	22844
	4M	9M	1x250A, 4x160A	■	22845
	4M	9M	2x250A, 2x160A	■	22846
	4M	9M	3x250A	■	22847
W=1000	3M	6M	7x160A	■	22044
	4M	9M	1x250A, 6x160A	■	22045
	4M	9M	2x250A, 4x160A	■	22046
	4M	9M	3x250A, 2x160A	■	22047
	4M	9M	4x250A	■	22048

- Montage vertical,
- Montage horizontal

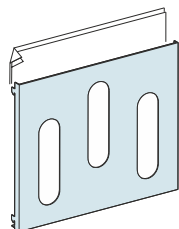
● Plates are adjustable for 230 and 300mm

● All boards are compatible with P=230 and P=300mm

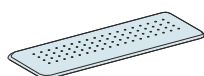


Wall mounted Enclosures

Accessoires



1x 22227



Cable gland 31935



Set of 2 fixing brackets 22088



22061



22062

Accessoires

Type	W=300 7 Mod	W=400 12 Mod	W=600 24 Mod	W=800 35 Mod	W=1000 46 Mod
Cable ladder	22070	22071	22072	22073	22074
Drawing holder	22225	22226	22227	22228	22229
Cable tray bracket	22083	22084	22085	22086	22087
Rail DIN TS-35D	22053	22054	22056	22058	22059
DIN rail P=230mm TS-35D	22063	22064	22066	22068	22069
adjustable P=300mm	-	22164	22166	22168	-

Accessoires

Description article	Reference
Rail PE or N, L=270 mm, 19 terminals 16mm ² + 1 x M6	22075
Rail PE or N, L=470 mm, 40 terminals 16mm ² + 1 x M6	22076
Rail PE or N, L=670 mm, 40 terminals 16mm ² + 1 x M6	22077
Rail PE or N, L=870 mm, 40 terminals 16mm ² + 1 x M6	22078
Two neutral isolators for PE rail (Ref. 22075-78)	22079
Rail symmetric TS-35, L=450 - 1050mm	22050
Rail symmetric TS-35, L=1200 - 1950mm	22051
Rotary handle with key 1333	22060
Closing by handle without lock	22061
Twist lock with key 1333	22062
Cable-tie supports	22081
Wide Cable-tie supports	22082
Exterior wall mounting brackets (set of 2 pieces)	22088
Adjustable support for 230mm / 300mm mounting plates	22089 / 22099
M5x10 ZINC Flat Head Thread forming screws DIN 7500M, 100 pcs.	31915
M5x10 ZINC forming screws DIN 7500C, 100 pcs.	31918
Cable gland plate / membrane 81x222 IP-55	31935



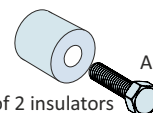
31918



31915

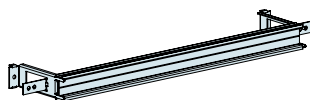


PE or N 22075

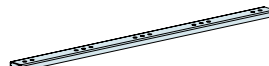


Set of 2 insulators
22079

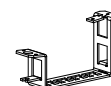
Adjustable bracket
22089



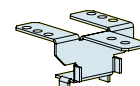
Fixed DIN rail with bracket
lateral for chute 22056



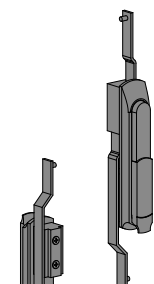
Crossbar for trunking 22085



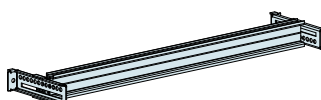
Cable tie rail 22070



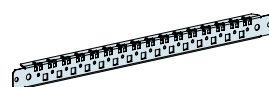
Support for trunking
or rails 22081



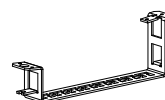
Linkage with handle
keyed 22060
(from height 1000 mm)



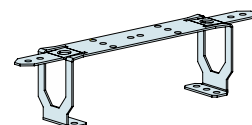
Adjustable DIN rail 22066



Crossbar W=600 22072



Cable tie rail
22071



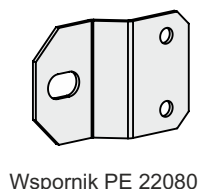
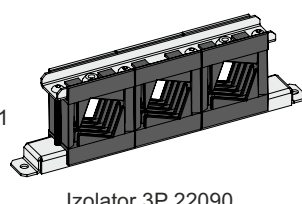
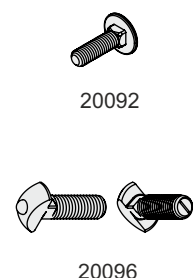
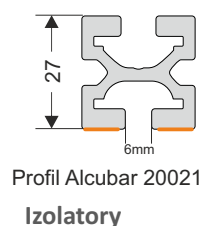
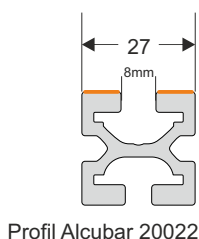
Support for trunking 22082

Wall mounted Enclosures

Selection of the rail system AlCubar H27

Accessories

Type	Reference
AlCubar - anodized profile Al-Cu H27, 360mm ² , h=27mm, 1 Cu groove, 6mm	20021
AlCubar - anodized profile Al-Cu H27, 360mm ² , h=27mm, 1 Cu groove, 8mm	20022
Zacisk U16/6, 16mm ² , do rowka 6mm, kpl.100szt, montaż w dowolnym miejscu	20080
Zacisk U16/8, 16mm ² , do rowka 8mm, kpl.100szt, montaż w dowolnym miejscu	20081
Śruba zamkowa M6x16, kl 8.8 + podkładki, nakrętki, kpl.100szt, wsuwane od końca profilu	20086
Śruba zamkowa M6x20, kl 8.8 + podkładki, nakrętki, kpl.100szt, wsuwane od końca profilu	20090
Śruba zamkowa M8x20, kl 8.8 + podkładki, nakrętki, kpl.100szt, wsuwane od końca profilu	20091
Śruba zamkowa M8x25, kl 8.8 + podkładki, nakrętki, kpl.100szt, wsuwane od końca profilu	20092
Śruba przesuwana, młotkowa z kulką M8x25 do rowka 8mm + podkładki, nakrętki, kpl.20szt	20096
Śruba przesuwana, młotkowa z kulką M8x39 do rowka 8mm + podkładki, nakrętki, kpl.20szt	20097
Ośłona mostu, poliwęglan 15x240x2000mm	20129
Ośłona mostu, poliwęglan 15x330x2000mm	20329
Wspornik PE	22080
Nakrętka z podkładką M5 x 0,8 - zestaw 100 szt.	31901
M5x50 śruba metalowa z łbem stożkowym, ocynkowana - zestaw 100 szt.	31906
M5x70 śruba metalowa z łbem stożkowym, ocynkowana - zestaw 100 szt.	31907
Śruba grzybkowa M5X50 do AlCubara 630A - 100szt.	31923



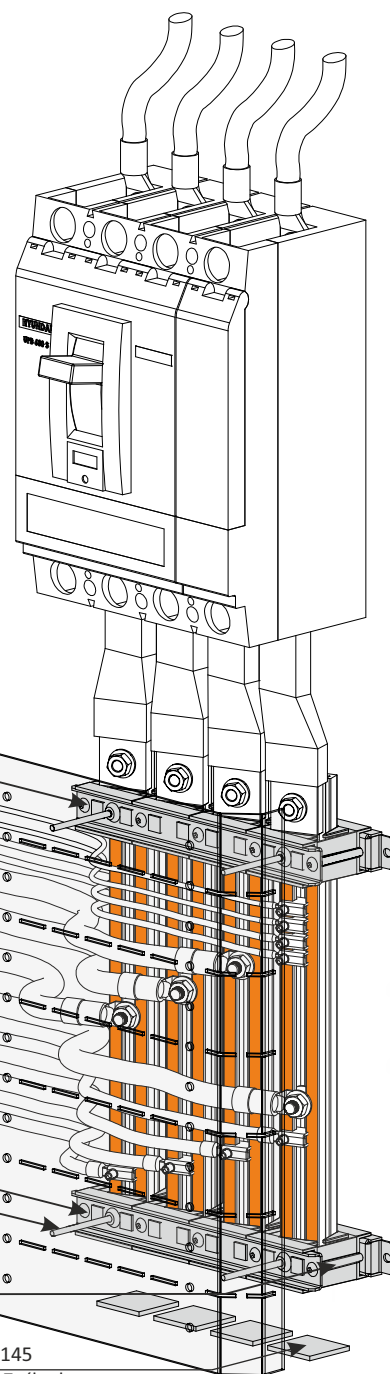
20129
Ośłona mostu
2000mm

22094
Montaż
izolatora 4P

31906
Wkręt do metalu

31923
Śruba grzybkowa M5X50

20145
1x Zaślepka



Izolatory

Rodzaj	W=300	W=400	W=600	W=800	W=1000
H27, 1P, szyna N	-	22098	22098	22098	22098
H27, 3P	-	22090	22091	22092	22093
H27, 4P	-	22094	22095	22096	22097

Dopuszczalny prąd (A) dla danego przyrostu temp. przewodnika

Profile AlCubar	Stopień ochrony	Δt 20°K	Δt 25°K	Δt 30°K	Δt 35°K	Δt 40°K	Δt 45°K	Δt 50°K	55°K	60°K	65°K	70°K
H27	IP≥43	370	440	500	550	590	630	665	700	735	765	800
H27	IP≤31	455	510	560	610	655	700	740	785	840	870	900

Niskie

Max Δt +55K

straty

Nawet

-40%

taniej

Wiele

+/- 1mm

długości

Szyna

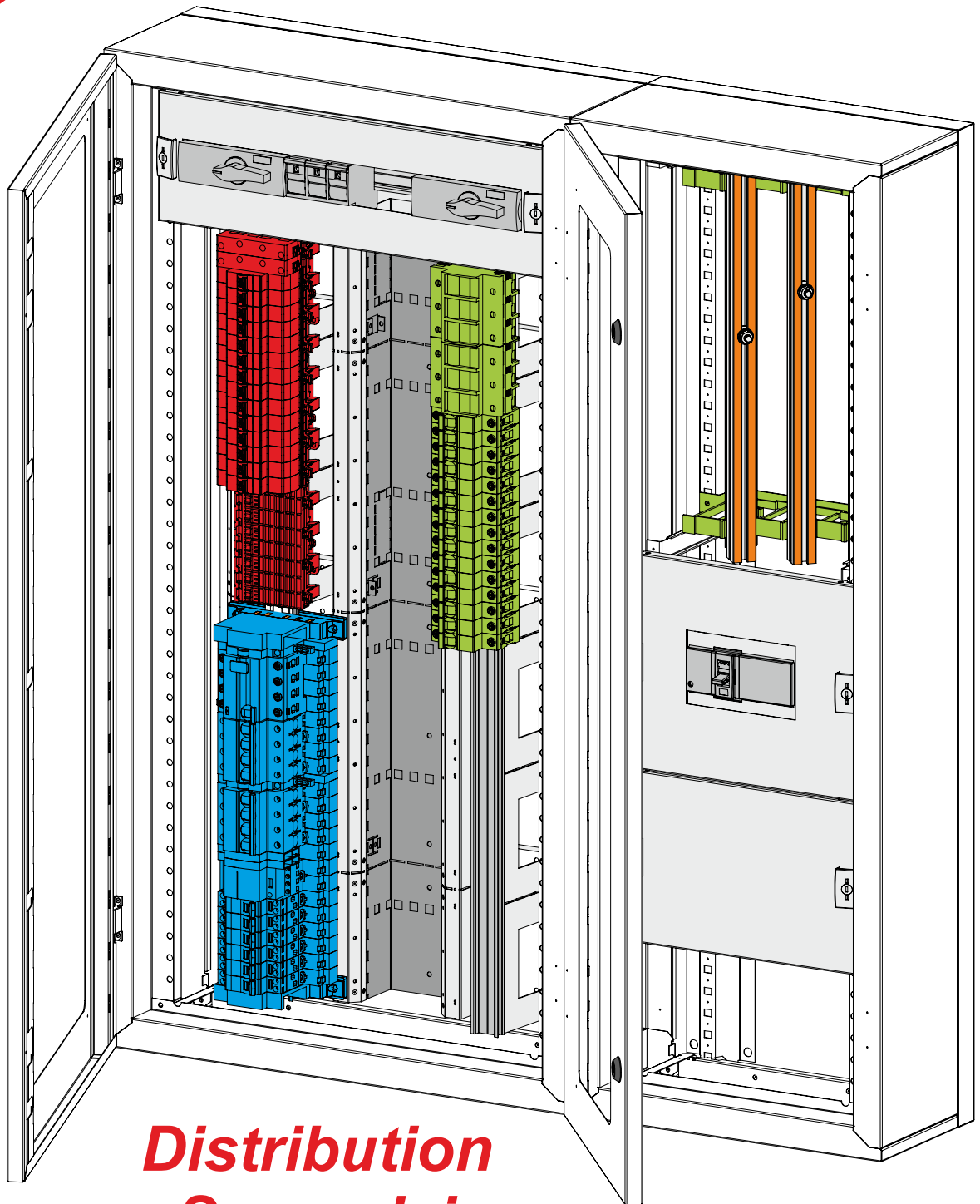
Al/Cu

bi metal

Dwie

strony

Zenergy
System OM-VSD



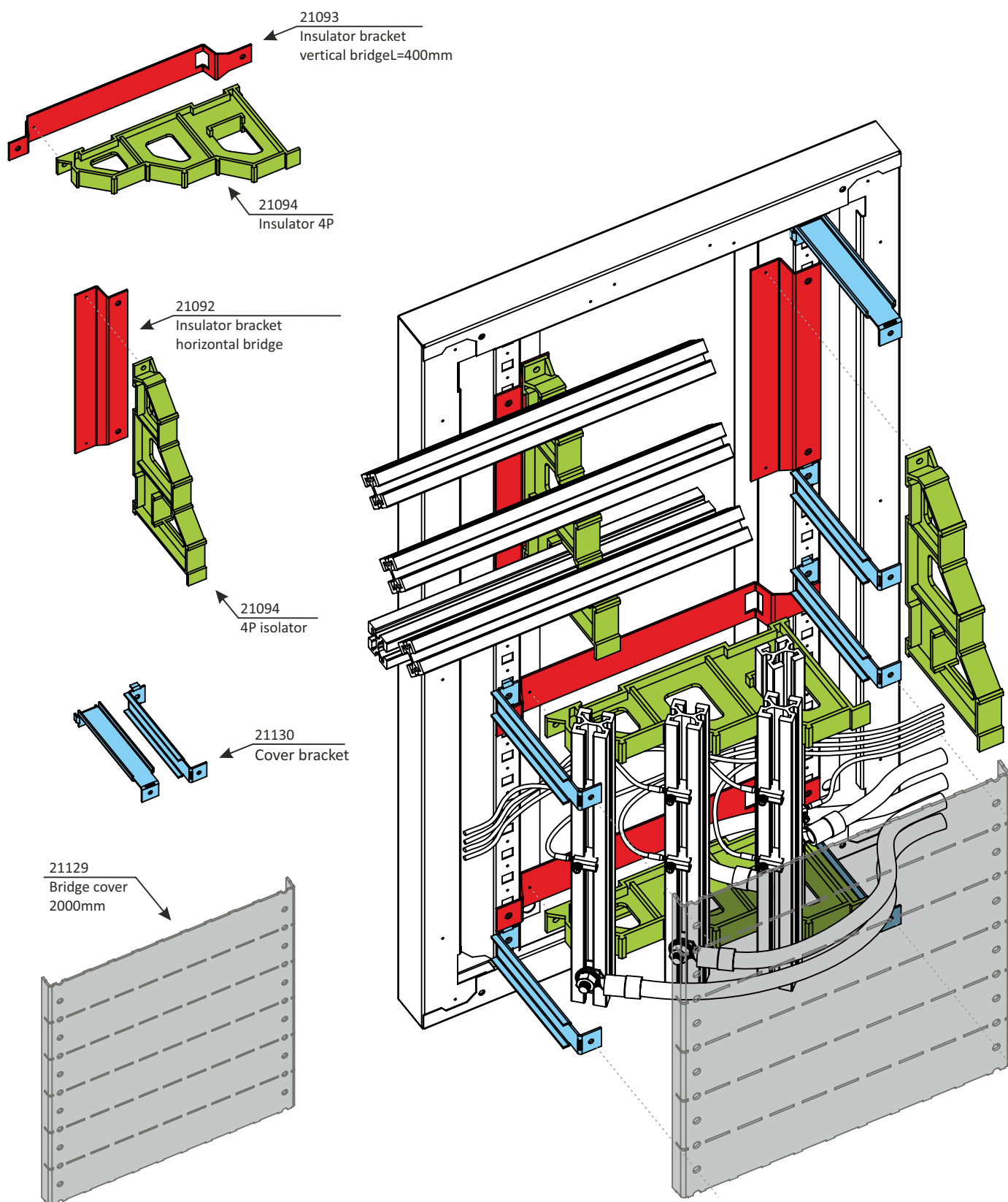
***Distribution
Secondaire
Verticale***

... awangardowe rozwiązanie

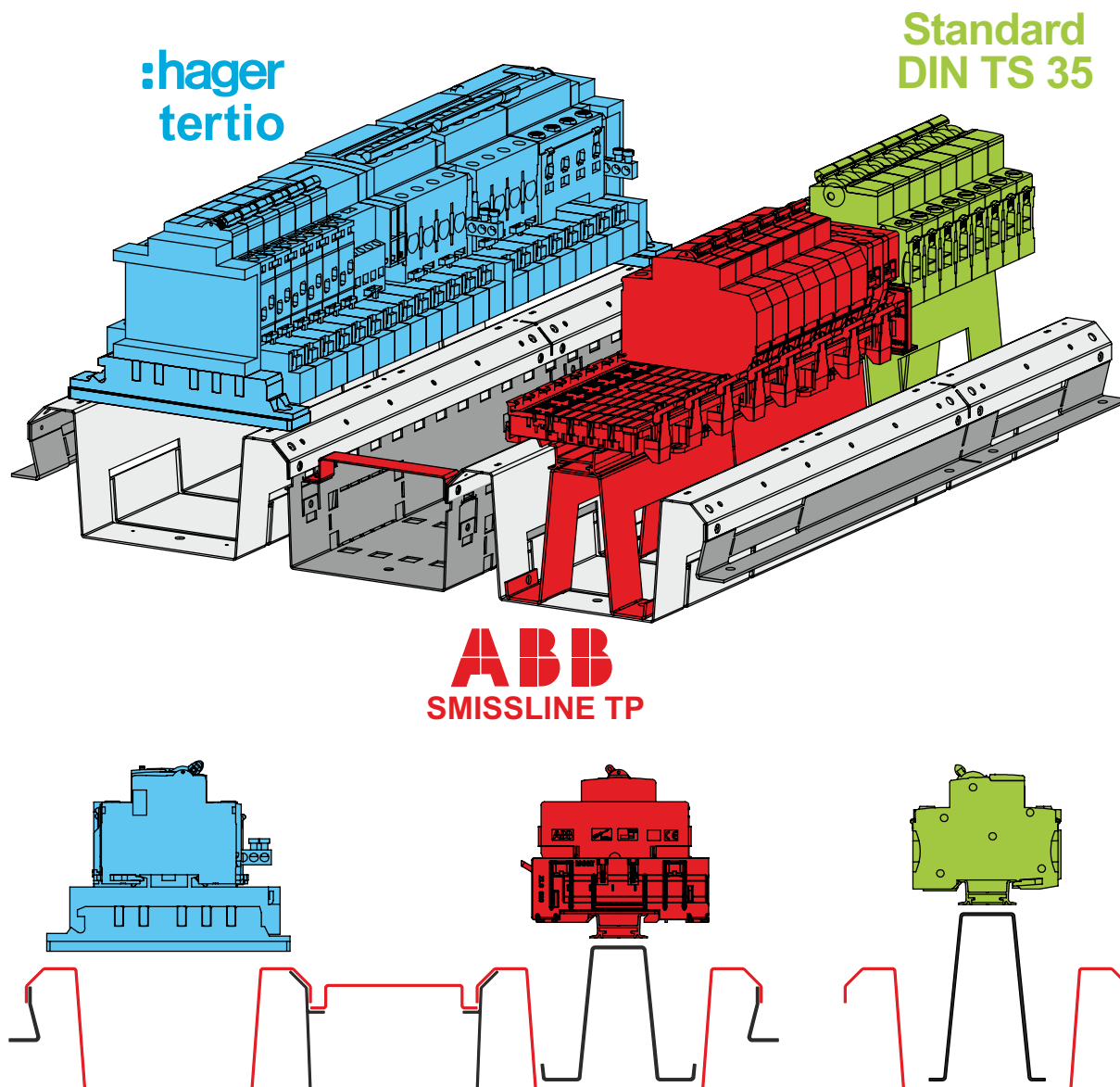
Wall mounted Enclosures

Brackets for AlCubar profiles H27

Accessories



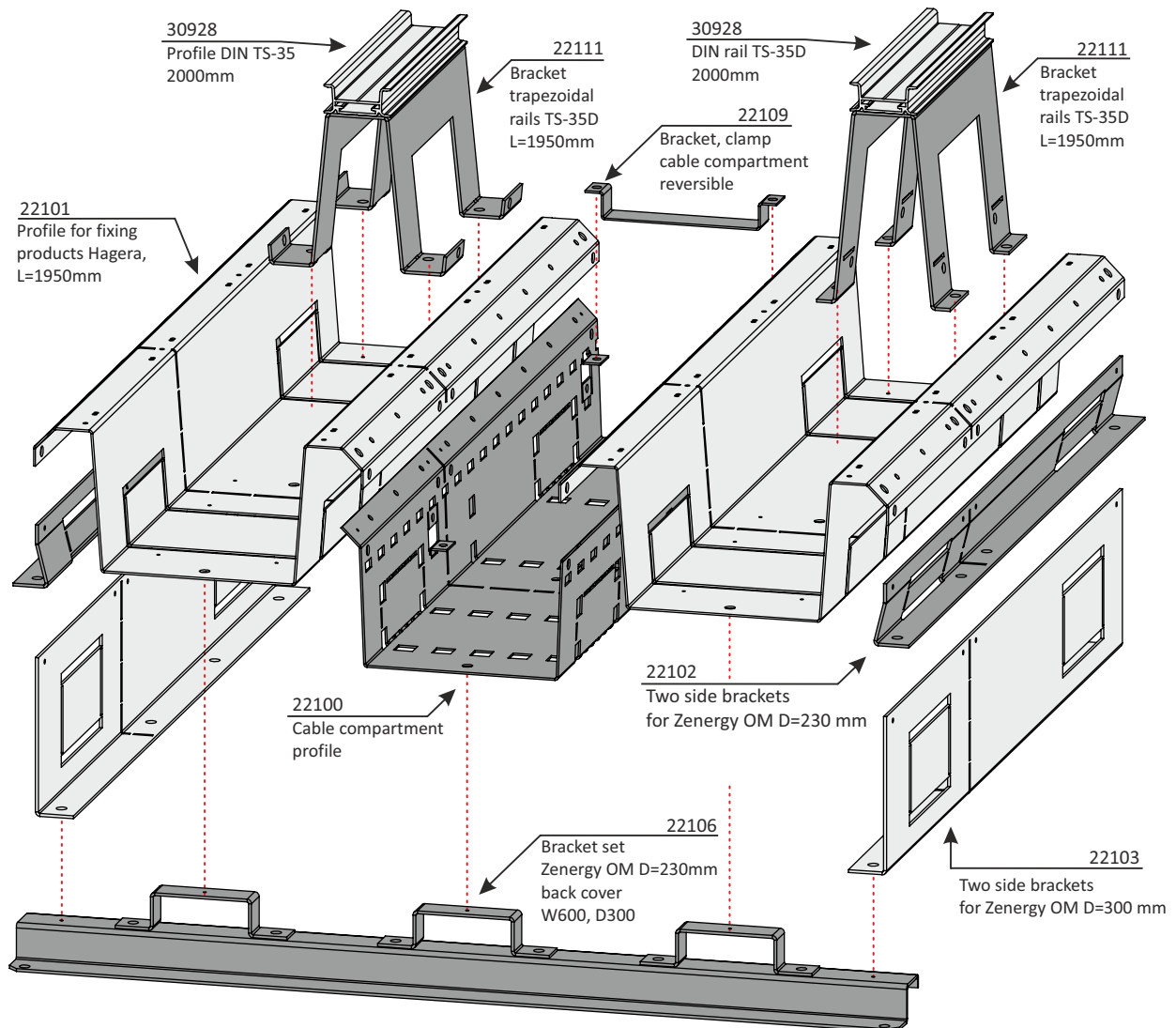
Configuration



Advantages::

- No need to know if the cables are coming from above or below
- Save time by connecting directly to devices, in most cases
- Fewer connection points, which means less time and less risk of misconnection.
- Safe and modular enclosure, for standard modular distribution but also for plug-in systems: Hager Tertio, Legrand HX3, ABB Smissline TP.
- Spacious cable compartment, with multiple cable attachment options.
- IP-2X direct contact protection without faceplates and IP-3XC with faceplates.

39M enclosure (1950mm)



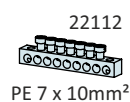
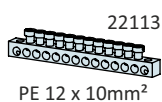
Profile can also be installed in Zenergy enclosures.

Front vertical covers

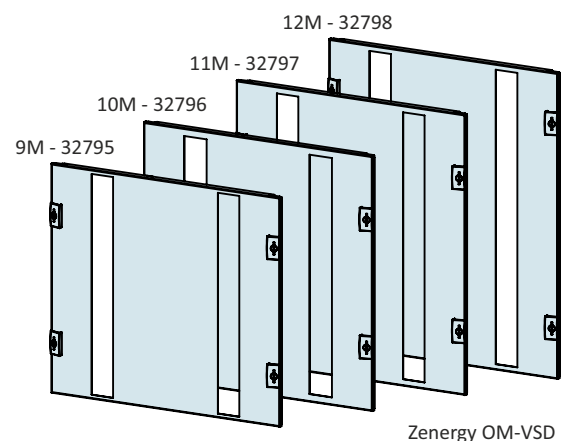
Products

Mod = 50mm / Mod = 18mm	W=450	W=650	W=850
9M / 24Mod	32595	32795	32995
10M / 26Mod	32596	32796	32996
11M / 29Mod	32597	32797	32997
12M / 32Mod	32598	32798	32998

Accessories



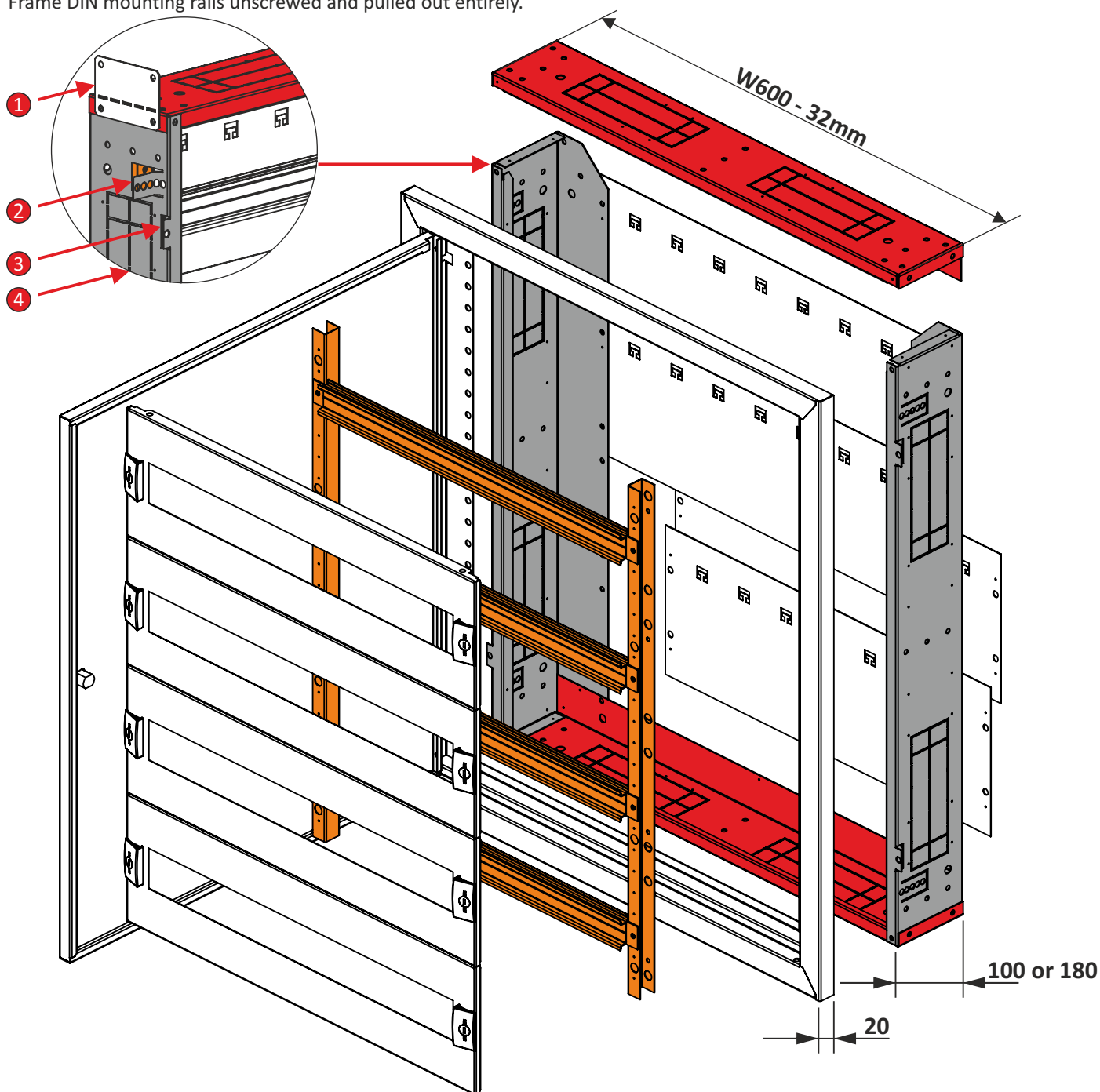
Slats can be fastened along the entire profile.



Zenergy OM-VSD

Folding Flush mounted PT housing up to 250A

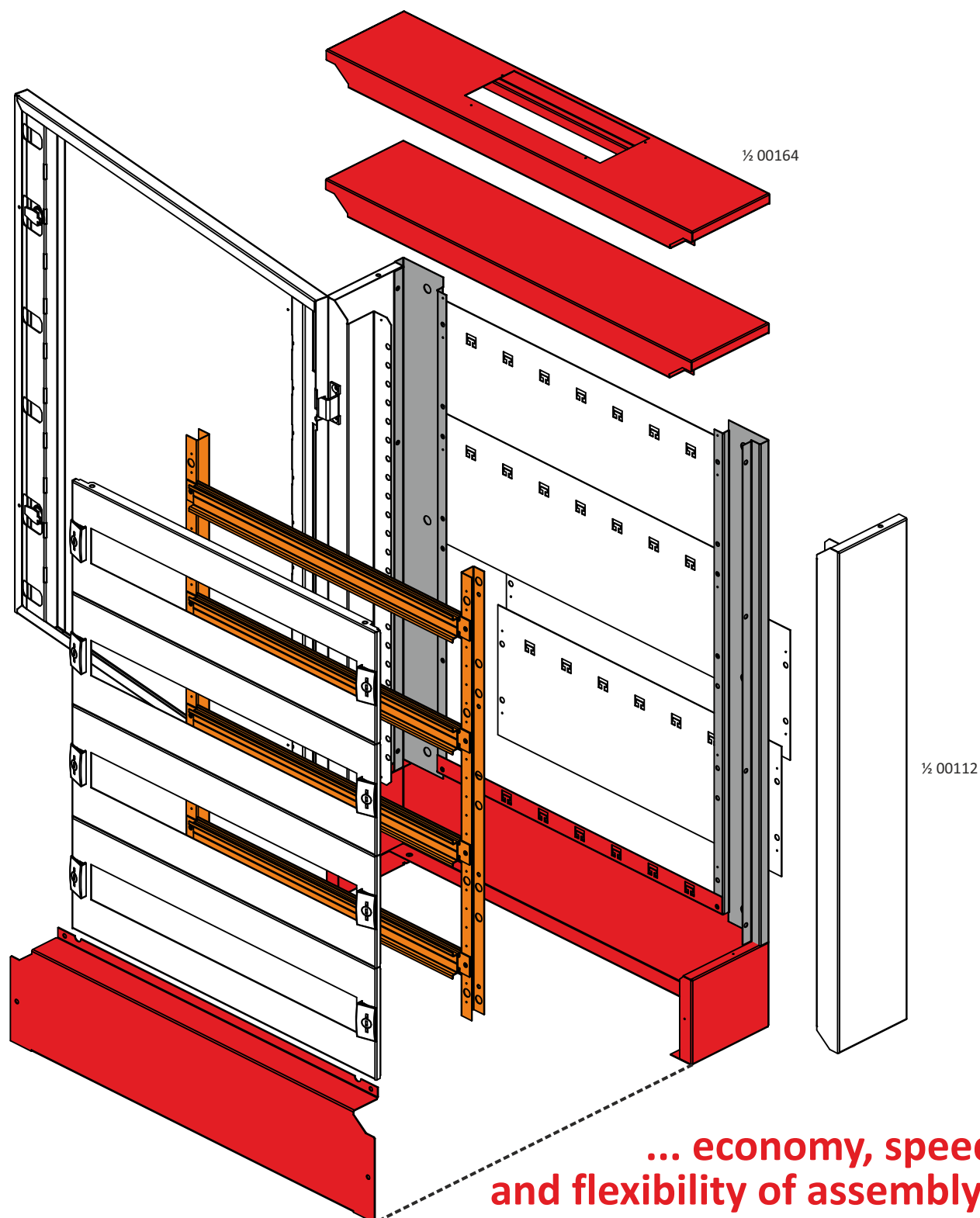
- Housing with special assembly possibilities, consisting of only seven different elements.
- Size range from 2x24 Modules, up to 10 x 24 Modules of installation equipment.
- The depth of the casing in the wall space of 100mm and 180mm, protruding depth of the door frame from the wall of 20mm
- Possibility of joining with sets of sides.
- Degree of protection IP30 without door, IP-40 with door, width 600mm or 800mm with frame, height 400mm to 1600mm with frame.
- Modular cover plates on the back, with the possibility of attaching cables, can also be mounted without the cover plates.
- 17 millimeters of space behind the DIN rail
- Frame DIN mounting rails unscrewed and pulled out entirely.



- ① Vertical / horizontal connector
- ② Folding clamp to the plasterboard
- ③ Depth stop
- ④ Cable gland

Wall-mounted enclosure *ON up to 250A*

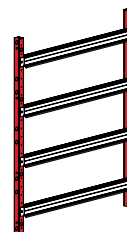
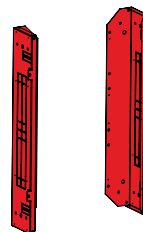
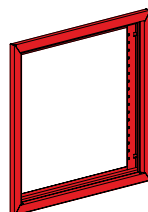
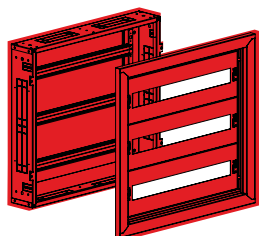
- Housing with special assembly possibilities, consisting of only eight different elements.
- Size range from 2x24 Modules, up to 10 x 24 Modules of installation equipment.
- Housing depth from 127 mm to 205 mm, the possibility of joining the sides into sets.
- Degree of protection IP30 without door, IP-40 with door, width 600mm or 800mm with frame, height 400mm to 1600mm with frame.
- Modular cover plates on the back, with the possibility of attaching cables, can also be mounted without the cover plates.
- 20 millimeters of space behind the DIN rail, increased to 30 mm, if no back plate is used.
- Frame DIN mounting rails unscrewed and pulled out entirely.



Wall-mounted enclosure *ON up to 250A*

Configuration

Flush-mounted housing PT, W=600 / D=100; D=180

IP-30


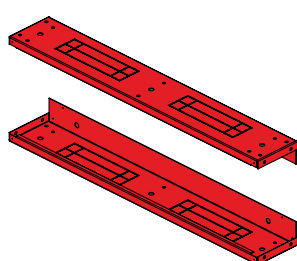
Width	Ilość modułów H / DIN	Switchgear PT D=100 *1 Reference	Rear cover Reference	Door frame Reference	Two vertical covers		DIN rail supports, PT / ON Reference*
					D100	D180	
H=400	6M / 48m	10106	01207	01106	01206	01506	00006
H=550	9M / 72m	10109	01210	01109	01209	01509	00009
H=700	12M / 96m	10112	01213	01112	01212	01512	00012
H=850	15M / 120m	10115	01216	01115	01215	01515	00015
H=1000	18M / 144m	10118	01219	01118	01218	01518	00018
H=1150	21M / 168m	10121	01222	01121	01221	01521	00021
H=1300	24M / 192m	10124	01225	01124	01224	01524	00024
H=1450	27M / 216m	10127	01228	01127	01227	01527	00027
H=1600	30M / 240m	10130	01231	01130	01230	01530	00030

*1 - Set consists of enclosure + back + rails + frame with front covers without door, protection class IP30.
Door is used for the ON / PT enclosure. After their use, we get IP40.

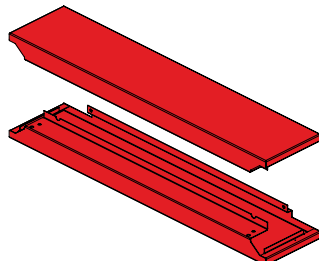
* - 2 brackets without DIN rails used for PT and ON housing

Horizontal cover W=600

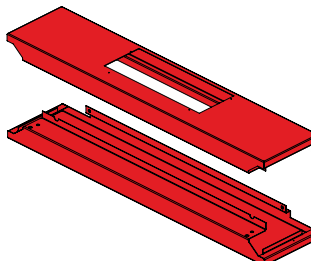
Components	Enclosure type	Reference	
Two horizontal covers W600; D100/D180	PT	01102	01103
Two horizontal covers W600; D127/D205	ON	00160	00170
Two horizontal covers W600 IP-30 D127/D205, upper with opening for the passage of 81x222	ON	00163	00173
Two horizontal covers W600, IP-30 D127/D205, upper with two holes for the passage of 81x222	ON	00164	00174
Horizontal extension cover, transition W600 IP-30 D127/D205	ON	00166	00176



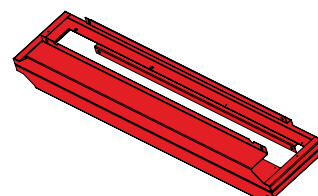
PT Horizontal covers
D100 - 01102



ON Horizontal covers
D127 - 00160



ON Horizontal covers
D127 - 00164



Horizontal extension ON
D127 - 00166

Folding housing up to 250A

Configuration

Surface-mounted housing ON, W=600 / D=127; D=205

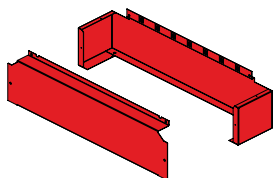
IP-40		IP-30							
Doors ON / PT		Switchgear ON D=127 *1	Two vertical covers		Extension-Culvert	Two rear profiles / Back cover			
Normal	Transparent	Height / DIN - Reference	D=127	D=205	D=127	D=205	Reference *2		
01306	01307	H=400 6M/48m 62206	00106	00806	00108	00808	00107	01107	
01309	01310	H=550 9M/72m 62209	00109	00809	00111	00811	00110	01110	
01312	01313	H=700 12M/96m 62212	00112	00812	00114	00814	00113	01113	
01315	01316	H=850 15M/120m 62215	00115	00815	00117	00817	00116	01116	
01318	01319	H=1000 18M/144m 62218	00118	00818	00120	00820	00119	01119	
01321	01322	H=1150 21M/168m 62221	00121	00821	00123	00823	00122	01122	
01324	01325	H=1300 24M/192m 62224	00124	00824	00126	00826	00125	01125	
01327	01328	H=1450 27M/216m 62227	00127	00827	00129	00829	00128	01128	
01330	01331	H=1600 30M/240m 62230	00130	00830	00132	00832	00131	01131	

*1 - Set consists of enclosure + back + rails + frame with front covers without door, protection class IP30.
Door is used for the ON / PT enclosure. After their use, we get IP40.

*2 - One-piece cover, possibility to use back profiles and 3 module covers ref. 00103..

Accessories

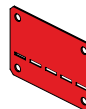
Components	Housing type	Reference
Surface housing connector	PT	01100
Plinth W=600 IP-30 D=127	ON	00161
Plinth W=600 IP-30 D=205	ON	00171
DIN / TS-35D rail, modular devices 24mod, W600	ON / PT	00100
Back cover W600, 3M, galvanized	ON / PT	00101



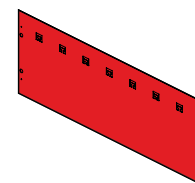
Plinth 00161



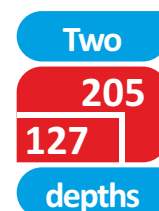
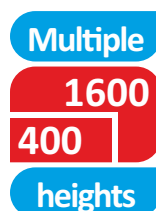
DIN rail 00100



Connector 01100



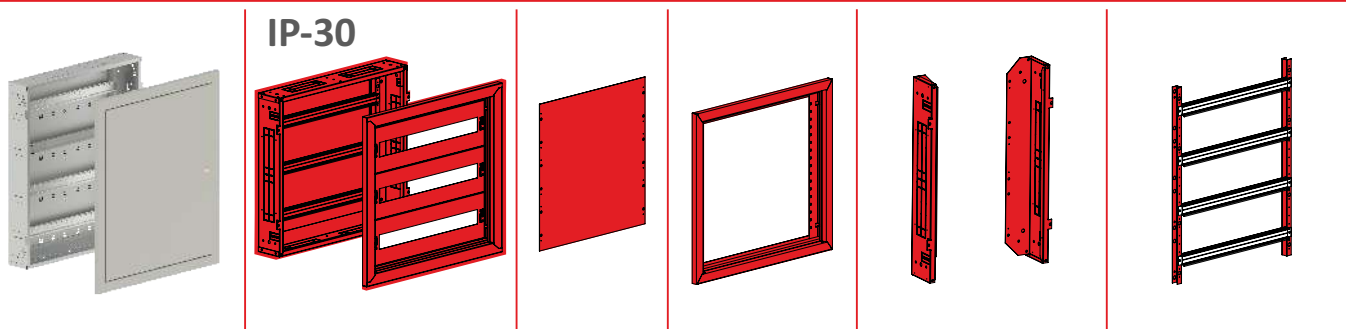
3M back cover 00101*2



Wall-mounted enclosure *ON up to 250A*

Configuration

Flush-mounted housing PT, W=800 / D=100; D=180



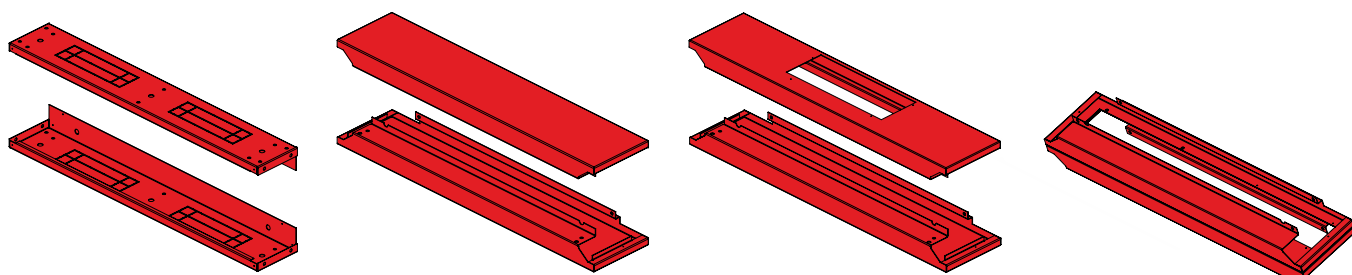
Width	Ilość modułów H / DIN	Switchgear PT D=180 *1 Reference	Rear cover Reference	Door frame Reference	Two vertical covers D100 D180		DIN rail supports, PT / ON Reference*
H=700	12M / 140m	10212	01513	01412	01212	01512	00012
H=850	15M / 175m	10215	01516	01415	01215	01515	00015
H=1000	18M / 210m	10218	01519	01418	01218	01518	00018
H=1150	21M / 245m	10221	01522	01421	01221	01521	00021
H=1300	24M / 280m	10224	01525	01424	01224	01524	00024
H=1450	27M / 315m	10227	01528	01427	01227	01527	00027
H=1600	30M / 350m	10230	01531	01430	01230	01530	00030

*1 - Set consists of enclosure + back + rails + frame with front covers without door, protection class IP30.
Door is used for the ON / PT enclosure. After their use, we get IP40.

* - 2 brackets without DIN rails used
for PT and ON housing

Horizontal cover W=800

Components	Enclosure type	Reference
Two horizontal covers W800; D100	PT	01402
Two horizontal covers W800; D180	PT	01403
Two horizontal covers W800; D205	ON	00180
Two horizontal covers W800 IP-30 D205, upper with opening for the passage of 81x222;	ON	00183
Two W800, IP-30 D205 horizontal covers, upper cover with two 81x222k conduit openings;	ON	00184
Two W800 horizontal covers, IP-30 D205, top and bottom with 81x222k conduit opening;	ON	00185
Extension horizontal cover - W800 IP-30 D205	ON	00186



PT Horizontal covers
D100 - 01402

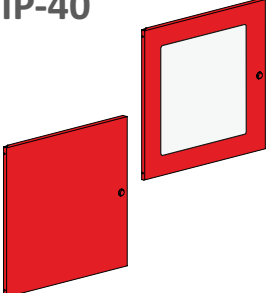
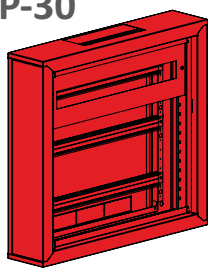
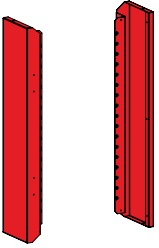
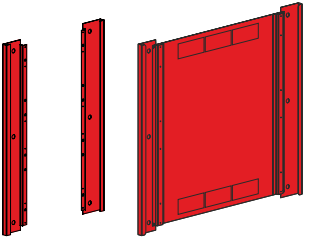
Horizontal covers ON
D205 - 00180

Horizontal covers ON
D205 - 00183

Horizontal expansion ON
D205 - 00186

Configuration

Surface-mounted housing ON , W=800 / D=205

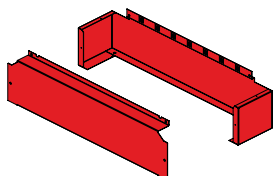
IP-40		IP-30				
						
Door ON / PT		Switchgear ON D=205 *1	Two vertical covers	Extension-Culvert	Two rear profiles / Back cover*2	
Normal	Transparent	Height / DIN - Reference	D=205	D=205	Reference	
01612	01613	H=700 12M/140m 62312	00812	00814	00113	01113
01615	01616	H=850 15M/175m 62315	00815	00817	00116	01116
01618	01619	H=1000 18M/210m 62318	00818	00820	00119	01119
01621	01622	H=1150 21M/245m 62321	00821	00823	00122	01122
01624	01625	H=1300 24M/280m 62324	00824	00826	00125	01125
01627	01628	H=1450 27M/315m 62327	00827	00829	00128	01128
01630	01631	H=1600 30M/350m 62330	00830	00832	00131	01131

*1 -Set consists of enclosure + back + rails + frame with front covers without door, protection class IP30.
Door is used for the ON / PT enclosure. After their use, we get IP40.

*2 - One-piece cover, possibility to use back profiles and 3 module covers ref. 00103.

Accessories

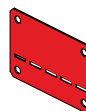
Components	Housing type	Reference
Surface housing connector	PT	01100
Plinth W=800 IP-30 D=205	ON	00181
DIN / TS-35D rail, modular devices 24mod, W800	ON / PT	22058
Back cover W600, 3M, galvanized	ON / PT	00103



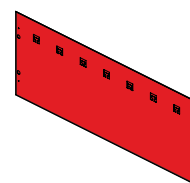
Plinth 00181



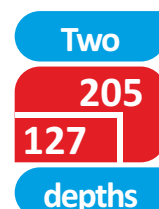
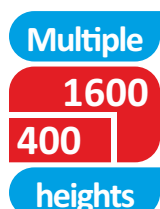
DIN rail 22058



Connector 01100



3M back cover D=205
00103*1



Zenergy

System OM, ON, PT, VSD



20210707EN

Since standards, technical data and the operation and use of our products are subject to constant change, the data contained in this publication are for The information contained in this publication is for information purposes only and shall not constitute a basis for legal claims.

We've Got The Power!
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