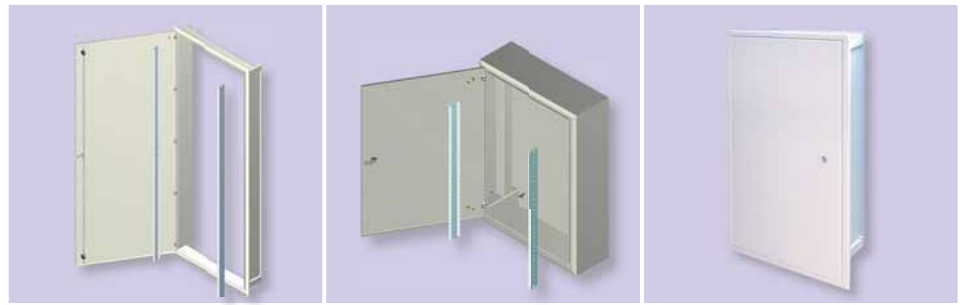


SUMMARY OF MODELS


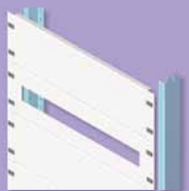





Type	DZ	DN	DZ...EI30S
Design	steel-sheet	steel-sheet	steel-sheet with fire resistance
Fire resistance	-	-	EI30S
Installation	flush-mounted	wall-mounted	flush-mounted
Degree of protection	IP43	IP43	IP54
Rated values of the used devices	max. 400 A, AC 230/400 V		
Protection class	I		
Standard equipment	modular rails (see pictures above)		

Parameters after completion of the modular system

Total number of modules	72 ÷ 741	72 ÷ 741	72 ÷ 455
Total number of electrometer plates	2 ÷ 20	2 ÷ 20	2 ÷ 12

Accessories - modular system

<p>"U" rails</p> 	<p>for modular device fastening, height 35 mm, depth 15 mm</p>
<p>Covers</p> 	<p>with cut-out 45 mm or without cut-out, height 50 to 450 mm</p>
<p>Device rails</p> 	<p>for device fastening, e.g. moulded case circuit breakers, contactors and fuse switch-disconnectors, rail height 50 to 130 mm, mounting depth of devices 38 to 130 mm</p>
<p>Sliding brackets</p> 	<p>for setting the depth of the device rails</p>
<p>Electrometer plates</p> 	<p>2 to 5 meter places next to each other</p>

DESCRIPTION

Description of cabinet and modular system

Frame

- welded from steel-sheet thick 1.3 mm (DZ); 1.5 mm (DN, DZ...EI30)
- earthing points for connection of earth conductor

Modular system - modular rails (part of enclosures supply)

- steel-sheet of thickness 1.5 mm

Modular system - "U" rails (accessories)

- according to EN 60715

Modular system - device rails (accessories)

- steel-sheet of thickness 2 mm, rail height 50, 100 mm
- installation by means of sliding brackets PD-D-...DP...

Door

- steel-sheet of thickness 1.5 mm
- left, easily modifiable to right
- earthing points for connection of protective conductor
- opening door 120°
- in design with fire resistance EI30S it is equipped with fire-proof sealing plate GREMAT
- double door from internal width 910 mm

Closing

- 3 ÷ 5 rows 1 quarter turn lock (female square 6 x 6 mm)
- 7 ÷ 9 rows 2 quarter turn locks (female square 6 x 6 mm)
- 11 ÷ 13 rows three-point bar closure (internal square 6 x 6 mm)
- Three-point closure is used for all fire-resistant designs

Closure

- closing by turning by 90°
- sealing option



Modular system - covers (accessories)

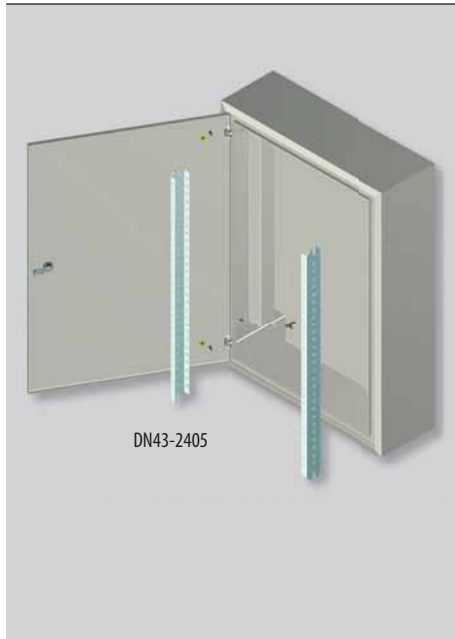
- plastic of thickness 3 mm
- with cut-out 45 mm, covers height 150 mm
- without cut-out, covers height 50, 150, 300, 450 mm
- fastening by means of quick-acting closures with handles

Modular system - electrometer plates (accessories)

- on the entire width of the cabinet
- 2 ÷ 5 electrometer plates side-by-side
- galvanized steel sheet of 1 mm thickness
- electrometer plate reinforcement
- cable grommets

OEZ configurator can be used for specification of the enclosures and accessories.

STEEL-SHEET WALL-MOUNTED ENCLOSURES DN



Basic description

- For building, residential and similar installations.
- Suitable for installation of Minia, Modeion, Varius, Conteo devices.
- The enclosures are normally equipped with modular rails for installation of device rails and covers.
- Lock insert is formed by internal square 6 x 6 mm.
- The package contains:
 - frame
 - door
 - modular rails
 - additional covers
 - fastening material.

Purchase order example:

Order code	Type	Product name	pcs
OEZ:39434	DN43-3509	Wall-mounted enclosure DN	1
OEZ:39505	PD-D-1E335	Electrometer plate	1
OEZ:39455	PD-D-KMV01535	Cover for modular system DN with cut-out, height 150 mm	4
OEZ:39599	PD-D-KM00535	Cover for modular system DN without cut-out, height 50 mm	2
OEZ:39459	PD-D-KM01035	Cover for modular system DN without cut-out, height 100 mm	1
OEZ:39463	PD-D-KM01535	Cover for modular system DN without cut-out, height 150 mm	1
OEZ:39354	PD-R-ZAS1000-S	Blind plate, grey (RAL 7035), 55 modules	1
OEZ:39501	PD-D-L35-VU35	"U" rail TH35-15	5

OEZ configurator can be used for specification of the enclosures.

Selection table


Frame internal dimensions		Number of modules in a row	Number of rows height 150 mm	Max. total number of modules	Door design *)	Number of meters in a row	Max. number of rows of electric meters	Type	Order code	Weight [kg]	Package [pcs]
height [mm]	width [mm]										
650	510	24	3	72	1K	2	1	DN43-2403	OEZ:39422	23	1
850			5	120			1	DN43-2405	OEZ:39423	28	1
1 050			6	144			2	DN43-2406	OEZ:39424	33	1
1 250			7	168			2	DN43-2407	OEZ:39425	39	1
1 450			9	216			3	DN43-2409	OEZ:39426	44	1
1 650			10	240			3	DN43-2410	OEZ:39427	48	1
650	710	35	3	105	1K	3	1	DN43-3503	OEZ:39430	28	1
850			5	175			1	DN43-3505	OEZ:39431	34	1
1 050			6	210			2	DN43-3506	OEZ:39432	39	1
1 250			7	245			2	DN43-3507	OEZ:39433	46	1
1 450			9	315			3	DN43-3509	OEZ:39434	52	1
1 650			10	350			3	DN43-3510	OEZ:39435	58	1
1 850			11	385			4	DN43-3511	OEZ:39436	64	1
2 050			13	455			4	DN43-3513	OEZ:39437	70	1
650	910	46	3	138	2K	4	1	DN43-4603	OEZ:39438	32	1
850			5	230			1	DN43-4605	OEZ:39439	39	1
1 850			11	506			4	DN43-4611	OEZ:39444	75	1
2 050			13	598			4	DN43-4613	OEZ:39445	81	1
2 050	1 110	57	13	741	2K	5	4	DN43-5713	OEZ:39453	93	1

1 module = 18 mm

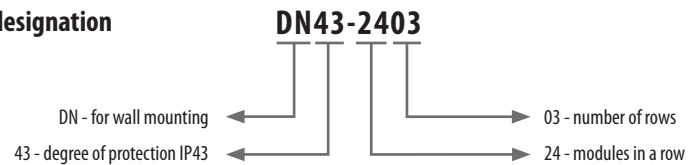
*) Door 1K - single, door 2K - double

STEEL-SHEET WALL-MOUNTED ENCLOSURES DN

Specifications

Type		DN
Standards		EN 60439-1, EN 60439-3, EN 62208
Approval marks		
Colour		Grey (RAL7035)
Degree of protection	DN	IP43
Degree of protection against external mechanical impacts		IK08
For circuits up to rated voltages	U_n	AC 1 000 V, DC 1 500 V
For circuits up to rated current	I_n	400 A
Place of use		indoor
Sea level		max. 1 000 m
Protection class		I
Door	opening design	standardly left, easily modifiable to right non-transparent
Material		steel sheet
Mounting		wall-mounted

Type designation



Power loss and static load

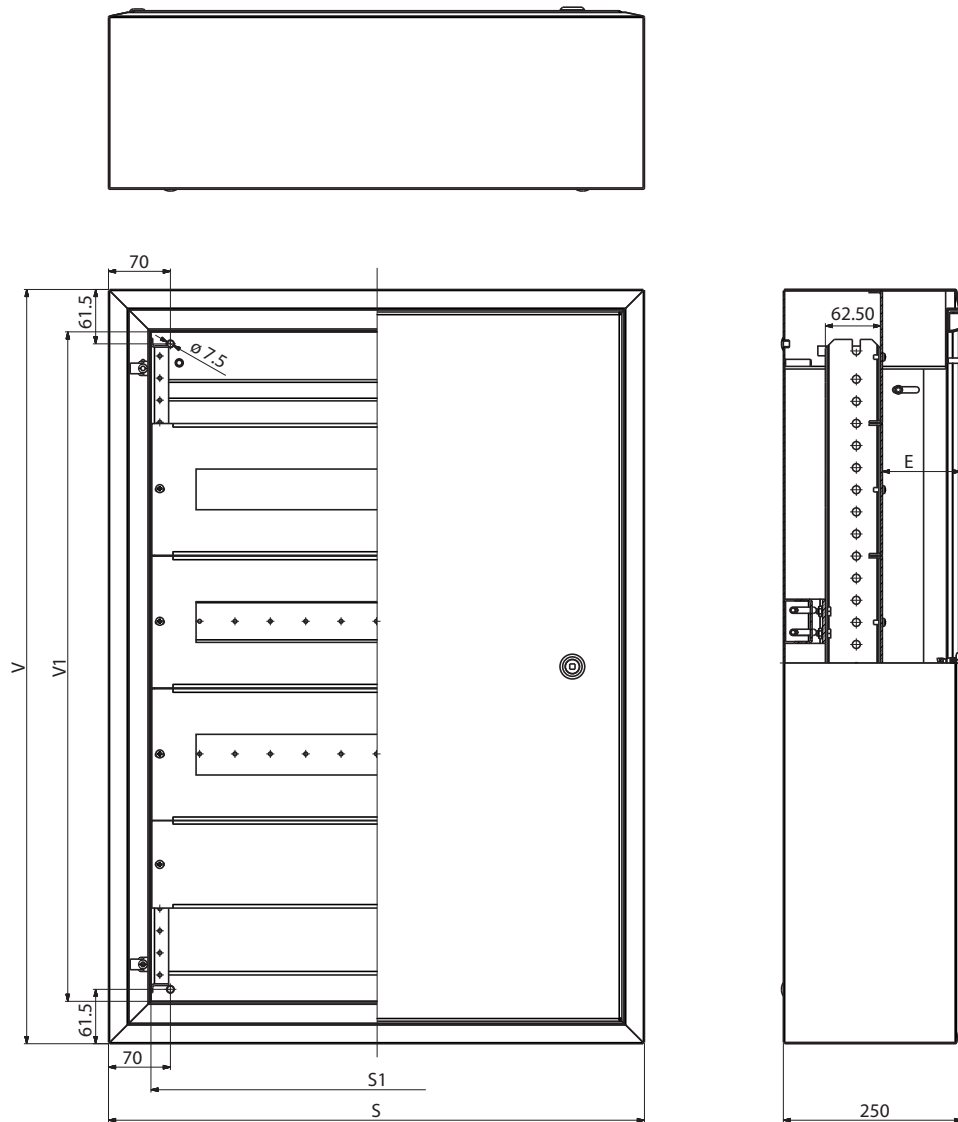
Type of wall-mounted enclosure	Power loss *) [W]	Static load of enclosures **) [kg]
DN43-2403	88	11.7
DN43-2405	110	15.8
DN43-2406	131	19.4
DN43-2407	149	23.1
DN43-2409	174	26.9
DN43-2410	192	30.7
DN43-3503	109	15.6
DN43-3505	135	20.7
DN43-3506	161	25.8
DN43-3507	183	30.9
DN43-3509	214	35.9
DN43-3510	235	41.0
DN43-3511	266	46.0
DN43-3513	292	51.1
DN43-4603	130	9.7
DN43-4605	161	12.8
DN43-4611	314	28.6
DN43-4613	345	31.6
DN43-5713	398	38.1

*) Power loss dissipated by the surface of the enclosure according to IEC 890 + A1 - A method of temperature-rise assessment by extrapolation for partially type-tested assemblies (PTTA) of low-voltage switchgear and control gear, $\Delta T = 15$ K (difference between internal and external temperature).

**) Static load of door DN43... 1 kg

STEEL-SHEET WALL-MOUNTED ENCLOSURES DN

Wall-mounted



Type of enclosure	V [mm]	S [mm]	V1 [mm]	S1 [mm]	Emin. [mm]	Estř. [mm]	Estř. [mm]	Emax. [mm]	Height for covering [mm]
DN43-2403	650		557						550
DN43-2405	850		757						750
DN43-2406	1050	610	957	510	68	86.5	105	123.5	950
DN43-2407	1250		1157						1150
DN43-2409	1450		1357						1350
DN43-2410	1650		1557						1550
DN43-3503	650		557						550
DN43-3505	850		757						750
DN43-3506	1050	810	957	710	68	86.5	105	123.5	950
DN43-3507	1250		1157						1150
DN43-3509	1450		1357						1350
DN43-3510	1650		1557						1550
DN43-3511	1850		1757						1750
DN43-3513	2050		1957						1950
DN43-4603	650		557						550
DN43-4605	850	1010	757	910	68	86.5	105	123.5	750
DN43-4611	1850		1757						1750
DN43-4613	2050		1957						1950
DN43-5713	2050	1206	1957	1110	68	86.5	105	123.5	1950

ACCESSORIES OF DZ, DN, DZ...EI30S

Description of modular system

Modular system - modular rails
(part of enclosures supply)

- steel-sheet of thickness 1.5 mm

Modular system - "U" rails
(accessories)

- according to EN 60715

Modular system - device rails
(accessories)

- steel-sheet of thickness 2 mm, rail height 50, 100 mm
- installation by means of sliding brackets PD-D-...DP...

Closure

- closing by turning by 90°
- sealing option



Modular system - covers
(accessories)

- plastic of thickness 3 mm
- with cut-out 45 mm, covers height 150 mm
- without cut-out, covers height 50, 150, 300, 450 mm
- fastening by means of quick-acting closures with handles

Modular system - electrometer plates
(accessories)

- on the entire width of the cabinet
- 2 ÷ 5 electrometer plates side-by-side
- galvanized steel sheet of 1 mm thickness
- electrometer plate reinforcement
- cable grommets

OEZ configurator can be used for specification of the enclosures and accessories.

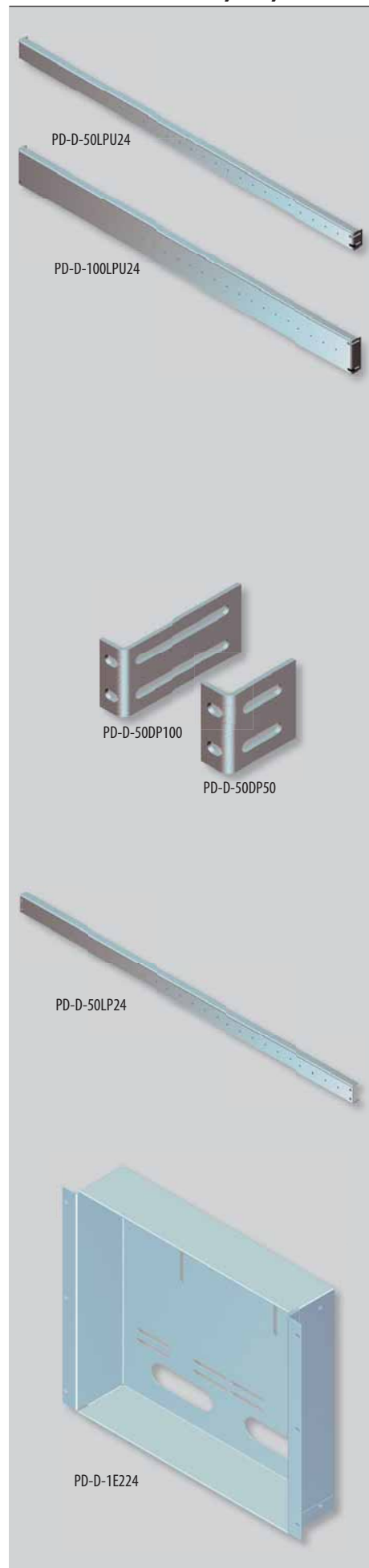


"U" rails

- Intended for device fastening.
- "U" rails according to EN 60715 of width 35 mm.
- Surface finishing by zinc plating.
- The package contains:
 - 1 rail
 - fastening material.

For enclosure		Rail height [mm]	Type	Order code	Weight [kg]	Package [pcs]
of internal width [mm]	modules in a row					
510	24	15	PD-D-L35-VU24	OEZ:39500	0.2	1
710	35		PD-D-L35-VU35	OEZ:39501	0.3	1
910	46		PD-D-L35-VU46	OEZ:39502	0.4	1
1 110	57		PD-D-L35-VU57	OEZ:39503	0.4	1

ACCESSORIES OF DZ, DN, DZ...EI30S



Device rails

- Common for DZ, DN, DZ...EI30S.
- Intended for device fastening.
- Device rail fastening by means of sliding brackets to modular rails.
- Steel sheet of thickness 2 mm.
- Surface finishing by zinc plating.
- PD-D-50LPU.. perforated for "U" rail fastening.
- The package contains:
 - 1 rail
 - fastening material.

For enclosure		Rail height [mm]	Type	Order code	Weight [kg]	Package [pcs]
of internal width [mm]	modules in a row					
510	24	50	PD-D-50LP24	OEZ:39719	0.7	1
		100	PD-D-100LP24	OEZ:39720	1.1	1
		130	PD-D-130LP24	OEZ:41312	1.4	1
710	35	50	PD-D-50LP35	OEZ:39721	0.9	1
		100	PD-D-100LP35	OEZ:39722	1.2	1
		130	PD-D-130LP35	OEZ:41313	1.6	1
910	46	50	PD-D-50LP46	OEZ:39723	1.3	1
		100	PD-D-100LP46	OEZ:39724	1.9	1
		130	PD-D-130LP46	OEZ:41314	2.3	1
1 110	57	50	PD-D-50LP57	OEZ:39725	1.5	1
		100	PD-D-100LP57	OEZ:39726	2.3	1
		130	PD-D-130LP57	OEZ:41315	2.8	1

Rails PD-D-130LPU.. are fastened by means of sliding brackets PD-D-100DP..

Sliding brackets

- Serve for adaptation of the mounting depth of devices.
- The package contains:
 - 2 brackets
 - fastening material.

Type	Order code	For rails	Depth [mm]	Weight [kg]	Package [pcs]
PD-D-50DP50	OEZ:39494	PD-D-50LPU..	50	0.10	1
PD-D-50DP100	OEZ:39495		100	0.12	1
PD-D-100DP50	OEZ:39757	PD-D-100LPU..	50	0.20	1
PD-D-100DP100	OEZ:39758	PD-D-130LPU..	100	0.24	1

Device rails

- Common for DZ, DN, DZ...EI30S.
- Intended for devices or "U" rails fastening.
- Device rail fastening directly to modular rails.
- Steel sheet of thickness 2 mm.
- Surface finishing by zinc plating.
- The package contains:
 - 1 rail
 - fastening material.

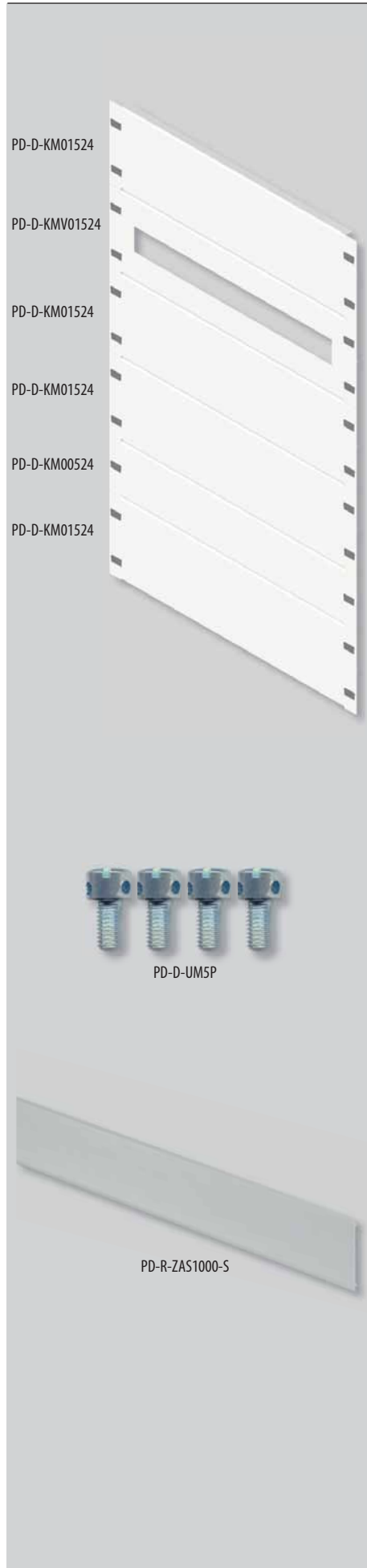
For enclosure		Rail height [mm]	Type	Order code	Weight [kg]	Package [pcs]
of internal width [mm]	modules in a row					
510	2	50	PD-D-50LP24	OEZ:39474	0.7	1
710	3		PD-D-50LP35	OEZ:39479	0.9	1
910	4		PD-D-50LP46	OEZ:39484	1.3	1
510	2		PD-D-50LP57	OEZ:39489	1.5	1

Electrometer plates

- Serve for installation of electric meters in the enclosure DZ, DN, DZ...EI30S.
- Equipped with sealing places.
- Steel-sheet thickness 1 mm.
- Surface finishing by zinc plating.
- The package contains:
 - 1 electrometer plate
 - 2 sealing screws
 - plastic bushes
 - fastening material.

For enclosure		Type	Order code	Tank height [mm]	Weight [kg]	Package [pcs]
of internal width [mm]	number of meters in a row					
510	2	PD-D-1E224	OEZ:39504	400	2.8	1
710	3	PD-D-1E335	OEZ:39505	400	3.2	1
910	4	PD-D-1E446	OEZ:39506	400	3.6	1
1 110	5	PD-D-1E557	OEZ:39507	400	4.2	1
510	2	PD-D-1E224-450	OEZ:39759	450	3.0	1

ACCESSORIES OF DZ, DN, DZ...EI30S



Covers

- Serve for covering the devices.
- Plastic of thickness 2 mm with cut-out of 45 mm or without cut-out, for coverage of e.g. terminals or empty place.
- Grey RAL7035.
- Overall height for coverage is identical to the internal height of the enclosure.
- The package contains:
 - 1 cover
 - fastening material.

For enclosure		Cover height [mm]	Cover design	Type	Order code	Cut-out width [mm]	Weight [kg]	Package [pcs]
of internal width [mm]	modules in a row							
510	24	50	without cut-out	PD-D-KM00524	OEZ:39598	432	0.13	1
710	35		without cut-out	PD-D-KM00535	OEZ:39599	630	0.15	1
910	46		without cut-out	PD-D-KM00546	OEZ:39600	828	0.23	1
1 110	57		without cut-out	PD-D-KM00557	OEZ:39601	1 026	0.26	1
510	24	100	without cut-out	PD-D-KM01024	OEZ:39458	432	0.25	1
710	35		without cut-out	PD-D-KM01035	OEZ:39459	630	0.31	1
910	46		without cut-out	PD-D-KM01046	OEZ:39460	828	0.45	1
1 110	57		without cut-out	PD-D-KM01057	OEZ:39461	1 026	0.51	1
510	24	150	cut-out 45 mm	PD-D-KMV01524	OEZ:39454	432	0.24	1
710	35		cut-out 45 mm	PD-D-KMV01535	OEZ:39455	630	0.28	1
910	46		cut-out 45 mm	PD-D-KMV01546	OEZ:39456	828	0.35	1
1 110	57		cut-out 45 mm	PD-D-KMV01557	OEZ:39457	1 026	0.45	1
510	24	150	without cut-out	PD-D-KM01524	OEZ:39462	432	0.26	1
710	35		without cut-out	PD-D-KM01535	OEZ:39463	630	0.35	1
910	46		without cut-out	PD-D-KM01546	OEZ:39464	828	0.50	1
1 110	57		without cut-out	PD-D-KM01557	OEZ:39465	1 026	0.56	1
510	24	300	without cut-out	PD-D-KM03024	OEZ:39466	432	0.48	1
710	35		without cut-out	PD-D-KM03035	OEZ:39467	630	0.66	1
910	46		without cut-out	PD-D-KM03046	OEZ:39468	828	0.97	1
1 110	57		without cut-out	PD-D-KM03057	OEZ:39469	1 026	1.08	1
510	24	450	without cut-out	PD-D-KM04524	OEZ:39470	432	0.94	1
710	35		without cut-out	PD-D-KM04535	OEZ:39471	630	1.05	1
910	46		without cut-out	PD-D-KM04546	OEZ:39472	828	1.10	1
1 110	57		without cut-out	PD-D-KM04557	OEZ:39473	1 026	2.10	1

Sealing screws

- Serve for sealing the electrometer plates and covers for modular systems.
- The package contains:
 - 4 sealing screws M5x10.

Type	Order code	Weight [kg]	Package [sets]
PD-D-UMSP	OEZ:39732	0.015	1

Blind plates

- Serve for coverage of unused 45 mm cut-outs in the modular covers.
- Material - plastic.
- The package contains:
 - 1 blind plate.

Colour	Number of modules	Type	Order code	Weight [kg]	Package [pcs]
Grey (RAL7035)	55	PD-R-ZAS1000-S	OEZ:39354	0.142	1

Spare parts

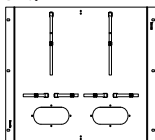
Type	Order code	Description	Weight [kg]	Package [pcs]
ND-D-M8P	OEZ:41329	cage nut for fastening vertical rails, set of 10 pcs, for DZ, DN	0.09	1
ND-D-UR3	OEZ:38548	closure for modular covers, set of 10 pcs, for DZ, DN	0.14	1
ND-D-PD	OEZ:41167	hinge for DZ43, DN43, 1 pc	0.01	1

EXAMPLES OF FITTING OF THE ENCLOSURES DZ, DN, DZ...EI30S

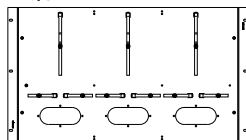
Internal height (mm)		Flush-mounted DZ			
550	100				
	150				
	150				
	150		150		
750	150		50		
	150				
	150				
	150		150		
	150		150		
950	50		100		
	150		150		
	150				
	150				
	150		150		
	150		150		
	150		150		
1150	100		150		
	150		150		
	150		150		
	150				
	150				
	150		150		
	150		150		
	150		150		
1350	150		50		
	150		100		
	150		150		
	150		150		
	150		150		
	150		150		
	150		150		
	150		150		
	150		150		
	150		150		

Electrometer plates: enclosure internal width / number of meters in a row

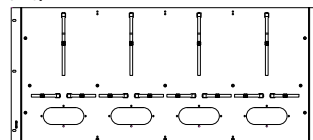
510/2



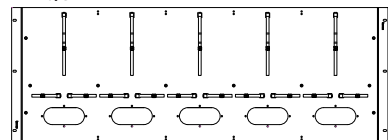
710/3



910/4



1110/5



EXAMPLES OF FITTING OF THE ENCLOSURES DZ, DN, DZ...EI30S

Internal height (mm)				Flush-mounted DZ			
1550	50		100		150		50
	150		150		150		
	150		150		150		
	150		150		150		
	150		150		150		
	150		150		150		
	150		150		150		
	150		150		150		
	150		150		150		
	150		150		150		
	150		150		150		
	150		150		150		
	150		150		150		
	150		150		150		
1750	100		150		50		100
	150		150		150		150
	150		150		150		
	150		150		150		
	150		150		150		
	150		150		150		
	150		150		150		
	150		150		150		
	150		150		150		
	150		150		150		
	150		150		150		
	150		150		150		
	150		150		150		
	150		150		150		
1950	150		50		100		150
	150		150		150		150
	150		150		150		150
	150		150		150		
	150		150		150		
	150		150		150		
	150		150		150		
	150		150		150		
	150		150		150		
	150		150		150		
	150		150		150		
	150		150		150		
	150		150		150		
	150		150		150		

Wall-mounted enclosures DN - total height for covering = (cabinet height- 100 mm).