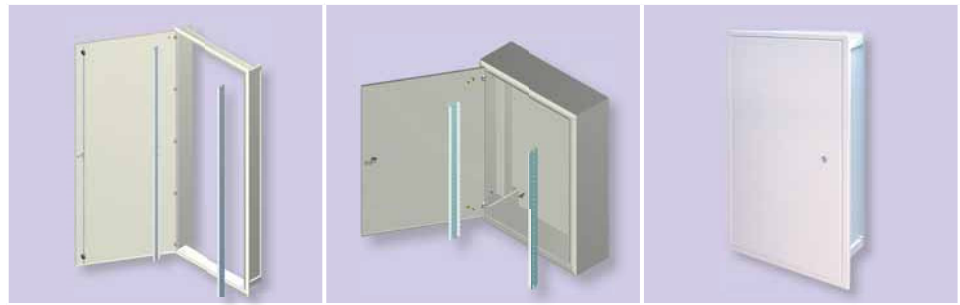


**SUMMARY OF MODELS**


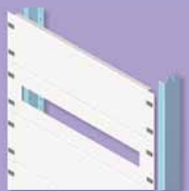





Type	DZ	DN	DZ...EI30S
Design	steel-sheet	steel-sheet	steel-sheet with fire resistance
Fire resistance	-	-	EI30S
Installation	flush-mounted	wall-mounted	flush-mounted
Degree of protection	IP43	IP43	IP54
Rated values of the used devices	max. 400 A, AC 230/400 V		
Protection class	I		
Standard equipment	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><b>"U" rails</b></p> 	<p>for modular device fastening, height 35 mm, depth 15 mm</p>
<p><b>Covers</b></p> 	<p>with cut-out 45 mm or without cut-out, height 50 to 450 mm</p>
<p><b>Device rails</b></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><b>Sliding brackets</b></p> 	<p>for setting the depth of the device rails</p>
<p><b>Electrometer plates</b></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 FLUSH-MOUNTED ENCLOSURES DZ



### 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 female square 6 x 6 mm.
- The package contains:
  - frame
  - door
  - modular rails
  - fastening material.

### Purchase order example:

Order code	Type	Product name	pcs
OEZ:39370	<b>DZ43-3509</b>	Flush-mounted enclosure DZ	1
OEZ:39455	<b>PD-D-KMV01535</b>	Cover for modular system DZ with cut-out, height 150 mm	4
OEZ:39599	<b>PD-D-KM00535</b>	Cover for modular system DZ without cut-out, height 50 mm	1
OEZ:39459	<b>PD-D-KM01035</b>	Cover for modular system DZ without cut-out, height 100 mm	1
OEZ:39463	<b>PD-D-KM01535</b>	Cover for modular system DZ without cut-out, height 150 mm	1
OEZ:39471	<b>PD-D-KM04535</b>	Cover for modular system DZ without cut-out, height 450 mm	1
OEZ:39354	<b>PD-R-ZAS1000-S</b>	Blind plate, grey (RAL 7035), 55 modules	1
OEZ:39501	<b>PD-D-L35-VU35</b>	"U" rail TH35-15	4

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]										
550	510	24	3	72	1K	2	1	<b>DZ43-2403</b>	OEZ:39358	16	1
750			5	120			1	<b>DZ43-2405</b>	OEZ:39359	20	1
950			6	144			2	<b>DZ43-2406</b>	OEZ:39360	23	1
1150			7	168			2	<b>DZ43-2407</b>	OEZ:39361	27	1
1350			9	216			3	<b>DZ43-2409</b>	OEZ:39362	31	1
1550			10	240			3	<b>DZ43-2410</b>	OEZ:39363	35	1
1750			11	264			4	<b>DZ43-2411</b>	OEZ:39364	38	1
1950	13	312	4	<b>DZ43-2413</b>	OEZ:39365	42	1				
550	710	35	3	105	1K	3	1	<b>DZ43-3503</b>	OEZ:39366	19	1
750			5	175			1	<b>DZ43-3505</b>	OEZ:39367	23	1
950			6	210			2	<b>DZ43-3506</b>	OEZ:39368	28	1
1150			7	245			2	<b>DZ43-3507</b>	OEZ:39369	32	1
1350			9	315			3	<b>DZ43-3509</b>	OEZ:39370	36	1
1550			10	350			3	<b>DZ43-3510</b>	OEZ:39371	41	1
1750			11	385			4	<b>DZ43-3511</b>	OEZ:39372	45	1
1950	13	455	4	<b>DZ43-3513</b>	OEZ:39373	49	1				
550	910	46	3	138	2K	4	1	<b>DZ43-4603</b>	OEZ:39374	22	1
750			5	230			1	<b>DZ43-4605</b>	OEZ:39375	26	1
1150			7	322			2	<b>DZ43-4607</b>	OEZ:39377	36	1
1350			9	414			3	<b>DZ43-4609</b>	OEZ:39378	41	1
1750			11	506			4	<b>DZ43-4611</b>	OEZ:39380	51	1
1950			13	598			4	<b>DZ43-4613</b>	OEZ:39381	56	1
750			1110	57			5	285	2K	5	1
1150	7	399			2	<b>DZ43-5707</b>	OEZ:39385	41			1
1350	9	513			3	<b>DZ43-5709</b>	OEZ:39386	47			1
1750	11	627			4	<b>DZ43-5711</b>	OEZ:39388	58			1
1950	13	741			4	<b>DZ43-5713</b>	OEZ:39389	63			1

1 module = 18 mm

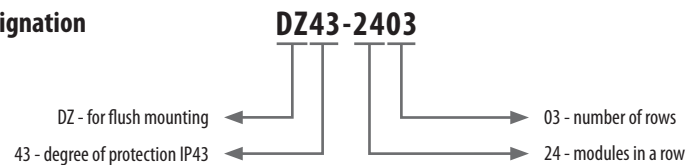
\*) Door 1K - single, door 2K - double

## STEEL-SHEET FLUSH-MOUNTED ENCLOSURES DZ

### Specifications

Type	DZ	
Standards	EN 60439-1, EN 60439-3, EN 62208	
Approval marks		
Colour	Grey (RAL7035)	
Degree of protection	DZ	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	flush-mounted	

### Type designation



### Power loss and static load

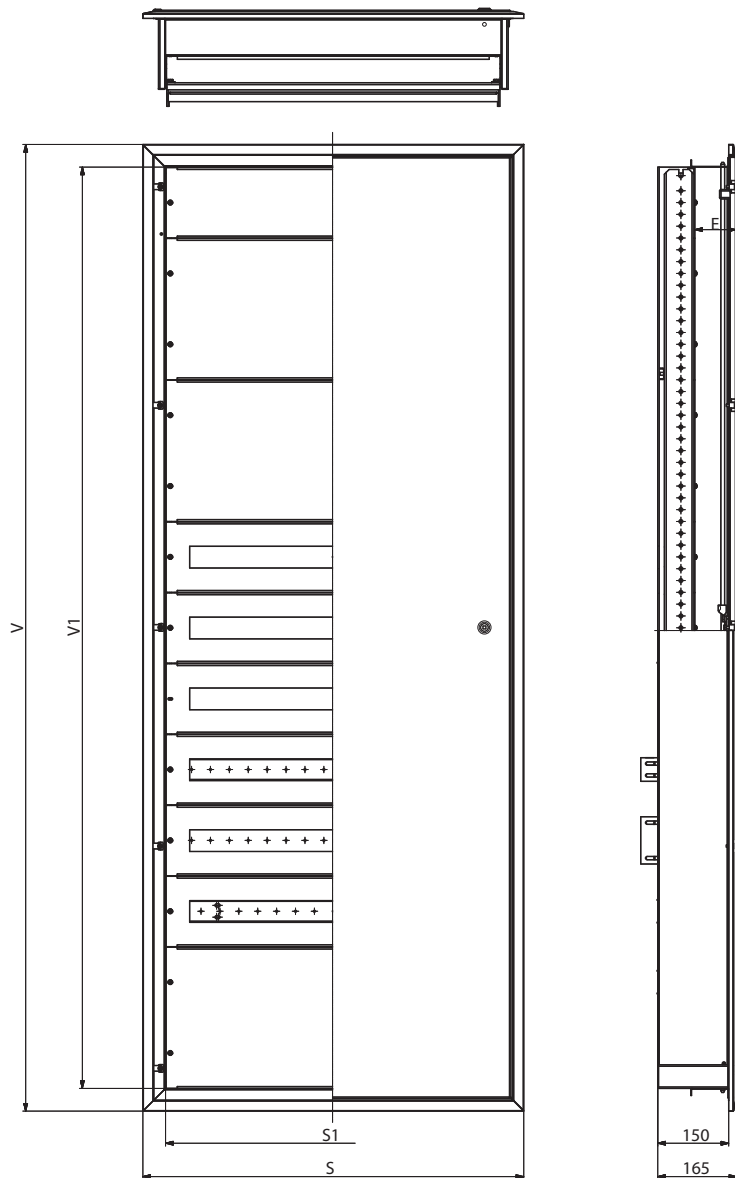
Type of flush-mounted enclosure	Power loss *) [W]	Static load of enclosures **) [kg]
DZ43-2403	62	11.7
DZ43-2405	79	15.8
DZ43-2406	96	19.4
DZ43-2407	113	23.1
DZ43-2409	130	26.9
DZ43-2410	148	30.7
DZ43-2411	165	34.6
DZ43-2413	182	38.4
DZ43-3503	79	15.6
DZ43-3505	101	20.7
DZ43-3506	123	25.8
DZ43-3507	145	30.9
DZ43-3509	167	35.9
DZ43-3510	189	41.0
DZ43-3511	211	46.0
DZ43-3513	233	51.1
DZ43-4603	96	9.7
DZ43-4605	123	12.8
DZ43-4607	176	19.1
DZ43-4609	203	22.3
DZ43-4611	256	28.6
DZ43-4613	283	31.6
DZ43-5705	145	15.5
DZ43-5707	208	23.0
DZ43-5709	240	26.8
DZ43-5711	302	34.3
DZ43-5713	334	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,  $\Delta T = 15 \text{ K}$  (difference between internal and external temperature).

\*\*) Static load of door DZ43... 1 kg

# STEEL-SHEET FLUSH-MOUNTED ENCLOSURES DZ

Flush-mounted



Type of enclosure	V [mm]	S [mm]	V1 - height for covering [mm]	S1 [mm]	Emin. [mm]	Estř. [mm]	Emax. [mm]
DZ43-2403	646		550				
DZ43-2405	846		750				
DZ43-2406	1 046		950				
DZ43-2407	1 246		1 150				
DZ43-2409	1 446	606	1 350	510	66.5	85	103.5
DZ43-2410	1 646		1 550				
DZ43-2411	1 846		1 750				
DZ43-2413	2 046		1 950				
DZ43-3503	646		550				
DZ43-3505	846		750				
DZ43-3506	1 046		950				
DZ43-3507	1 246		1 150				
DZ43-3509	1 446	806	1 350	710	66.5	85	103.5
DZ43-3510	1 646		1 550				
DZ43-3511	1 846		1 750				
DZ43-3513	2 046		1 950				
DZ43-4603	646		550				
DZ43-4605	846		750				
DZ43-4607	1 246		1 150				
DZ43-4609	1 446	1 006	1 350	910	66.5	85	103.5
DZ43-4611	1 846		1 750				
DZ43-4613	2 046		1 950				
DZ43-5705	846		750				
DZ43-5707	1 246		1 150				
DZ43-5709	1 446	1 206	1 350	1 110	66.5	85	103.5
DZ43-5711	1 846		1 750				
DZ43-5713	2 046		1 950				

Hole for immersion [mm]			
Height	Width	Depth	Depth with use of holders PD-...DP100
605			
805			
1 005			
1 205			
1 405	565	180	260
1 605			
1 805			
2 005			
605			
805			
1 005			
1 205			
1 405	765	180	260
1 605			
1 805			
2 005			
605			
805			
1 205			
1 405	965	180	260
1 805			
2 005			
805			
1 205			
1 405	1 165	180	260
1 805			
2 005			

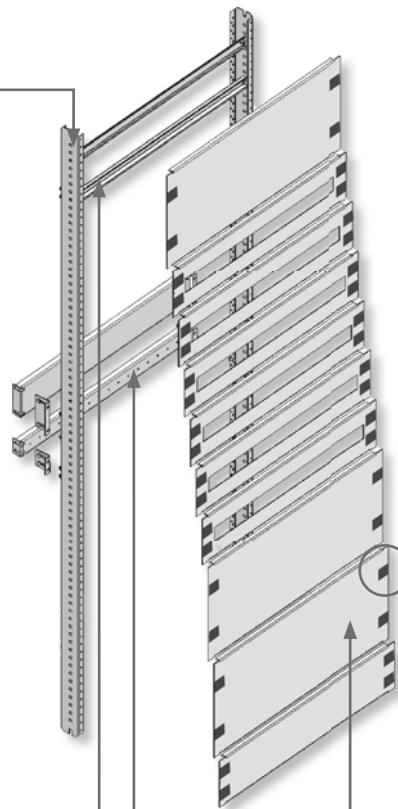
Tolerance of hole for immersion: 0 ÷ 10 mm.

## 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



**Closure**

- closing by turning by 90°
- sealing option



**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...

**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.

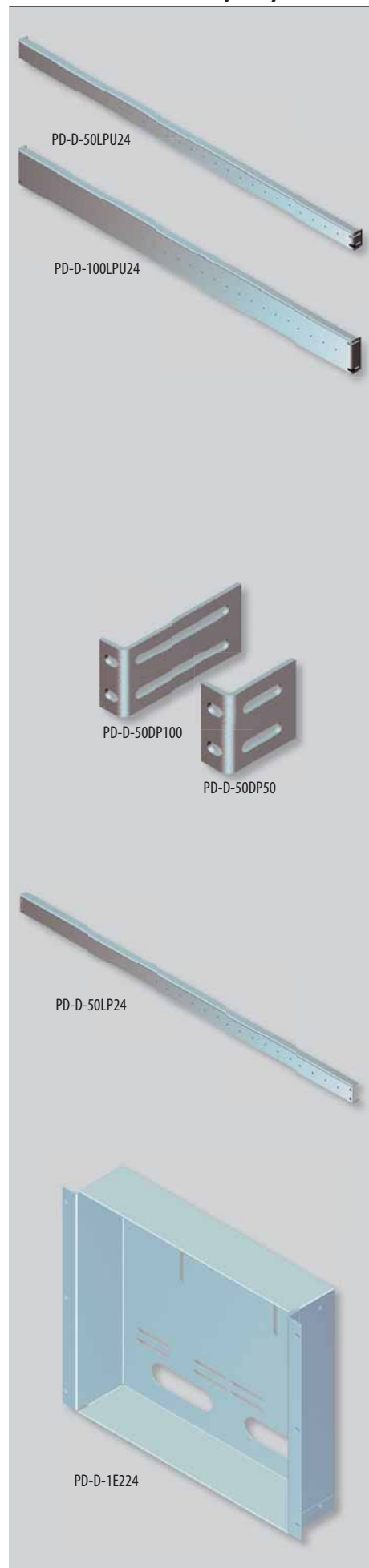


**"U" rails**

- 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	<b>PD-D-50LP24</b>	OEZ:39719	0.7	1
		100	<b>PD-D-100LP24</b>	OEZ:39720	1.1	1
		130	<b>PD-D-130LP24</b>	OEZ:41312	1.4	1
710	35	50	<b>PD-D-50LP35</b>	OEZ:39721	0.9	1
		100	<b>PD-D-100LP35</b>	OEZ:39722	1.2	1
		130	<b>PD-D-130LP35</b>	OEZ:41313	1.6	1
910	46	50	<b>PD-D-50LP46</b>	OEZ:39723	1.3	1
		100	<b>PD-D-100LP46</b>	OEZ:39724	1.9	1
		130	<b>PD-D-130LP46</b>	OEZ:41314	2.3	1
1 110	57	50	<b>PD-D-50LP57</b>	OEZ:39725	1.5	1
		100	<b>PD-D-100LP57</b>	OEZ:39726	2.3	1
		130	<b>PD-D-130LP57</b>	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]
<b>PD-D-50DP50</b>	OEZ:39494	PD-D-50LPU..	50	0.10	1
<b>PD-D-50DP100</b>	OEZ:39495		100	0.12	1
<b>PD-D-100DP50</b>	OEZ:39757	PD-D-100LPU..	50	0.20	1
<b>PD-D-100DP100</b>	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.

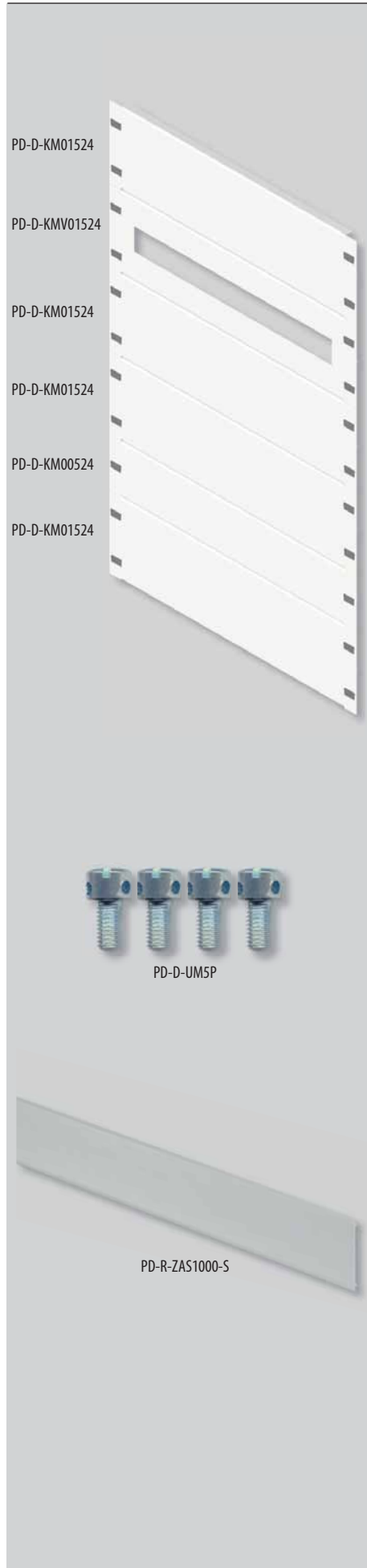
For enclosure		Rail height [mm]	Type	Order code	Weight [kg]	Package [pcs]
of internal width [mm]	modules in a row					
510	2	50	<b>PD-D-50LP24</b>	OEZ:39474	0.7	1
710	3		<b>PD-D-50LP35</b>	OEZ:39479	0.9	1
910	4		<b>PD-D-50LP46</b>	OEZ:39484	1.3	1
510	2		<b>PD-D-50LP57</b>	OEZ:39489	1.5	1

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	<b>PD-D-1E224</b>	OEZ:39504	400	2.8	1
710	3	<b>PD-D-1E335</b>	OEZ:39505	400	3.2	1
910	4	<b>PD-D-1E446</b>	OEZ:39506	400	3.6	1
1 110	5	<b>PD-D-1E557</b>	OEZ:39507	400	4.2	1
510	2	<b>PD-D-1E224-450</b>	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	<b>PD-D-KM00524</b>	OEZ:39598	432	0.13	1
710	35		without cut-out	<b>PD-D-KM00535</b>	OEZ:39599	630	0.15	1
910	46		without cut-out	<b>PD-D-KM00546</b>	OEZ:39600	828	0.23	1
1 110	57		without cut-out	<b>PD-D-KM00557</b>	OEZ:39601	1 026	0.26	1
510	24	100	without cut-out	<b>PD-D-KM01024</b>	OEZ:39458	432	0.25	1
710	35		without cut-out	<b>PD-D-KM01035</b>	OEZ:39459	630	0.31	1
910	46		without cut-out	<b>PD-D-KM01046</b>	OEZ:39460	828	0.45	1
1 110	57		without cut-out	<b>PD-D-KM01057</b>	OEZ:39461	1 026	0.51	1
510	24	150	cut-out 45 mm	<b>PD-D-KMV01524</b>	OEZ:39454	432	0.24	1
710	35		cut-out 45 mm	<b>PD-D-KMV01535</b>	OEZ:39455	630	0.28	1
910	46		cut-out 45 mm	<b>PD-D-KMV01546</b>	OEZ:39456	828	0.35	1
1 110	57		cut-out 45 mm	<b>PD-D-KMV01557</b>	OEZ:39457	1 026	0.45	1
510	24	150	without cut-out	<b>PD-D-KM01524</b>	OEZ:39462	432	0.26	1
710	35		without cut-out	<b>PD-D-KM01535</b>	OEZ:39463	630	0.35	1
910	46		without cut-out	<b>PD-D-KM01546</b>	OEZ:39464	828	0.50	1
1 110	57		without cut-out	<b>PD-D-KM01557</b>	OEZ:39465	1 026	0.56	1
510	24	300	without cut-out	<b>PD-D-KM03024</b>	OEZ:39466	432	0.48	1
710	35		without cut-out	<b>PD-D-KM03035</b>	OEZ:39467	630	0.66	1
910	46		without cut-out	<b>PD-D-KM03046</b>	OEZ:39468	828	0.97	1
1 110	57		without cut-out	<b>PD-D-KM03057</b>	OEZ:39469	1 026	1.08	1
510	24	450	without cut-out	<b>PD-D-KM04524</b>	OEZ:39470	432	0.94	1
710	35		without cut-out	<b>PD-D-KM04535</b>	OEZ:39471	630	1.05	1
910	46		without cut-out	<b>PD-D-KM04546</b>	OEZ:39472	828	1.10	1
1 110	57		without cut-out	<b>PD-D-KM04557</b>	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]
<b>PD-D-UMSP</b>	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	<b>PD-R-ZAS1000-S</b>	OEZ:39354	0.142	1

**Spare parts**

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

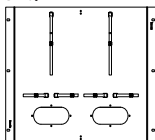


EXAMPLES OF FITTING OF THE ENCLOSURES DZ, DN, DZ...EI30S

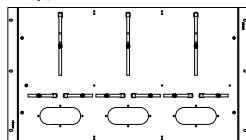
Internal height (mm)		Flush-mounted DZ			
<b>550</b>	100				
	150				
	150				
	150		150		
<b>750</b>	150		50		
	150				
	150				
	150		150		
	150		150		
<b>950</b>	50		100		
	150		150		
	150				
	150				
	150		150		
	150		150		
	150		150	150	
<b>1150</b>	100		150		
	150		150		
	150		150		
	150				
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

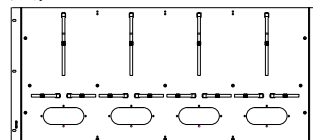
**510/2**



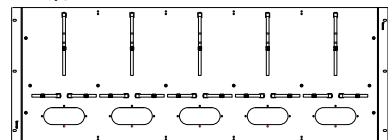
**710/3**



**910/4**



**1110/5**



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

Internal height (mm)				Flush-mounted DZ			
<b>1550</b>	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		
<b>1750</b>	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		
<b>1950</b>	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).