

ACCESSORIES FOR SZE2 CABINETS

MODULAR SYSTEM

**ZPAS Modular System**

ZPAS Modular System is intended for designing switchgears based on SZE2 power cabinets. Modular equipment is installed on dedicated structure.

Basic elements

1. Mounting profiles II (see page 57)
2. Mounting bar UNI (see pages 57, 42)
3. Fixing accessories set (see page 57)
4. DIN rail (see page 58)
5. Assembly angles (see page 58)
6. Module panels 150 (see page 58)
7. Module blanking plates 150, 100, 50 (see page 59)
8. Horizontal and vertical module panels (see page 59)

Switchgears based on this design are featured with IP 30 safeto-touch (for live parts) protection degree. Once closed, SZE2 cabinets are IP 54 protected.

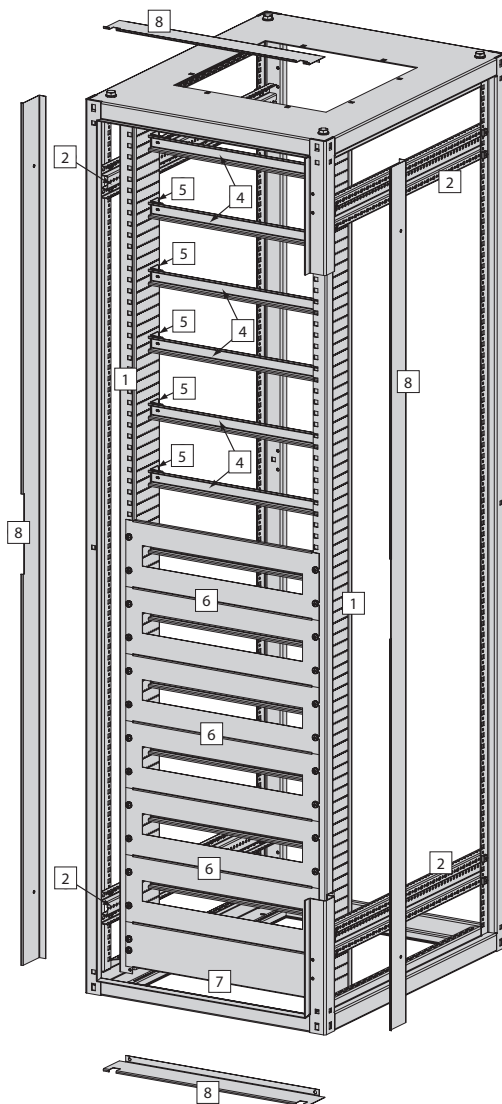
Each switchgear based on SZE2 cabinets is subdivided into bay height modules (BHM). Each module is 150 mm high.

Normally, switchgears equipped with a rail system are composed of 3 mounting zones:

- busbar system zone (3 BHMs),
- apparatus assembly zone (8 BHMs in case of the cabinets 2000 mm high),
- cable entry zone (1 BHMs + 100 mm).

With such a switchgear construction, the cabinets with the below listed dimensions (height x width) can contain the below listed number of modules of modular equipment:

- cabinet 2000 mm x 600 mm – 288 modules (18 mm);
- cabinet 2000 mm x 800 mm – 432 modules;
- cabinet 2000 mm x 1000 mm and 2000 mm x 1200 mm – 576 modules, respectively.



ACCESSORIES FOR SZE2 CABINETS

MODULAR SYSTEM

Mounting profiles II

Mounting profiles are a racking system, and the other components of modular equipment installation sets (i.e. module panels, assembly angles and DIN rails) are attached to this system. The rail location can be smoothly adjusted with reference to the cabinet width.

Material

Al-Zn coated sheet steel

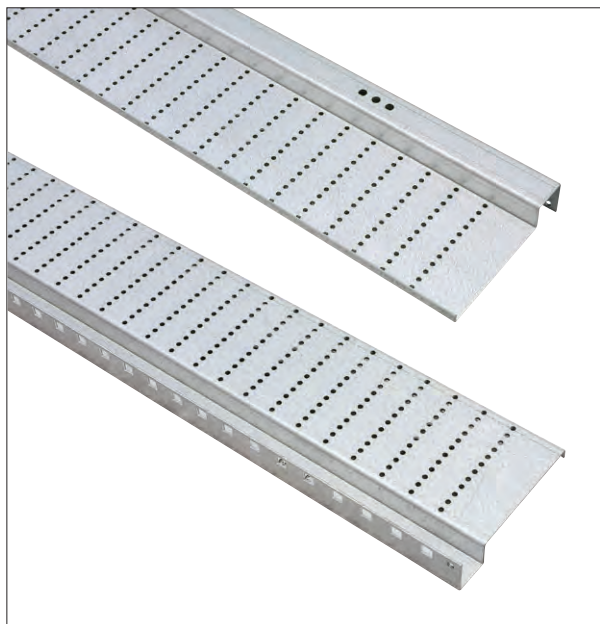
Scope of delivery

Mounting profile without fixing accessories (to be ordered separately).

For cabinet height [mm]	Capacity of mounting profile II*	Catalogue number
2000	12	WZ-4881-67-02-000
2200	14	WZ-4881-67-04-000

Package: 2 pc.

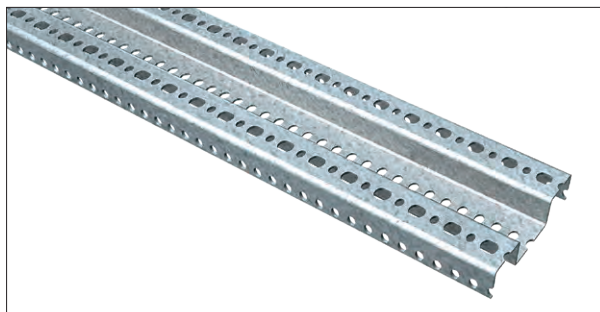
* Maximum number of built-in DIN rails



Mounting bars UNI

Four mounting bars UNI, whose length is matched to the cabinet depth, are necessary to install mounting profiles II inside SZE2 cabinet.

A detailed description of the mounting bars UNI can be found on the page 42.



Mounting profile II fixing elements

A set of fixing accessories for fastening 2 pcs. mounting profiles II to mounting bars UNI.

Description of set	Package	Catalogue number
Screw M6x16 - 4 pc. Nut M6 - 4 pc. Washer - 8 pcs Toothed washer - 4 pc.	1 set	WZ-5B00-37-04-000



ACCESSORIES FOR SZE2 CABINETS

MODULAR SYSTEM

**DIN rail**

The rail is intended for the installation of modular equipment.

Rail depth: 15 mm

Note: In case of cabinets 1000 and 1200 mm wide, heavy modular equipment can be installed differently. For more information, please contact ZPAS sales department.

Material

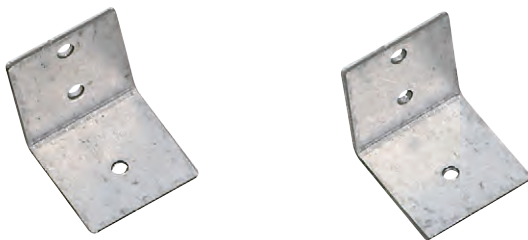
Galvanized steel sheet

Scope of delivery

DIN rail without fixing accessories.

For cabinet width [mm]	Catalogue number
600	WZ-0573-52-24-000
800	WZ-0573-52-23-000
1000	WZ-0573-52-22-000
1200	WZ-0573-52-21-000

Package: 1 pc.

**Assembly angles**

These angles are used for fixing DIN rails with the mounting profile II. Two angles are necessary to fix one rail.

Material

Al-Zn coated sheet steel

Scope of delivery

An angle (1 pc.) with fixing accessories to fix it to the mounting profile II and the DIN rail.

Package	Catalogue number
1 pc.	WZ-0573-52-30-000

**Module panel 150**

Module panels are fixed directly to the mounting profiles II. 150 mm high, the module panels are intended for hiding modular equipment installed on the DIN mounting rail.

Material

Powder painted RAL 7035 steel sheet.

Scope of delivery

Module panel with fixing accessories.

For cabinet width [mm]	Module panel capacity (number of S-type modules, 18 mm wide)	Catalogue number
600	24	WZ-4881-68-01-011
800	36	WZ-4881-68-02-011
1000	48	WZ-4881-68-03-011
1200	48	WZ-4881-68-04-011

Package: 1 pc.

ACCESSORIES FOR SIZE2 CABINETS

MODULAR SYSTEM

Module blanking plates 150, 100, 50

These module blanking plates are used to fill free space left after modular equipment has been installed in the cabinet.

Depending on the cabinet height, it is necessary to use a blanking plate, other than the one 150 mm high:

- cabinet 1800 mm high – blanking plate 50 mm
- cabinet 2000 mm high – blanking plate 100 mm



Material

Powder painted RAL 7035 steel sheet.

Scope of delivery

Module panel with fixing accessories.

For cabinet width [mm]	Catalogue number		
	Module blanking plate 150 mm high	Module blanking plate 100 mm high	Module blanking plate 50 mm high
600	WZ-4881-68-05-011	WZ-4881-71-01-011	WZ-4881-72-01-011
800	WZ-4881-68-06-011	WZ-4881-71-02-011	WZ-4881-72-02-011
1000	WZ-4881-68-07-011	WZ-4881-71-03-011	WZ-4881-72-03-011
1200	WZ-4881-68-08-011	WZ-4881-71-04-011	WZ-4881-72-04-011

Package: 1 pc.

Horizontal and vertical module panels

These panels are intended to protect horizontal and vertical space between mounting profiles II and cabinet frame.

Material

Powder painted RAL 7035 steel sheet

Scope of delivery

Horizontal or vertical module panel with fixing accessories.



Product name	Catalogue number	
Vertical module blanking plate for the cabinets height:	2000 mm	WZ-4881-69-02-011
	2200 mm	WZ-4881-69-04-011
Horizontal module blanking plate for the cabinets width:	600 mm	WZ-4881-70-01-011
	800 mm	WZ-4881-70-02-011
	1000 mm	WZ-4881-70-03-011
	1200 mm	WZ-4881-70-04-011

Package: 1 pc.