

# CONNECTION TERMINAL BOXES UP TO 100 A

## Application:

Connection terminal boxes are used for the final connection of one or two consumers to a cable end or outdoor low-voltage electrical distribution network and simultaneously for protecting the supply line to the consumption point.

## Description of technical design:

Connection terminal boxes are equipped with single-pole fuse bases up to 160 A, three-pole threaded fuse bases up to 63 A, and three-pole fuse switches up to 50 A. The boxes are supplied with internal equipment without fuse inserts. Connection boxes are supplied in versions for mounting on poles using Bandimex Tape or for wall mounting, with the option of supplying anchoring straps for reliable mechanical fixing of the box to the wall. In the case of versions for pole mounting, the boxes contain PG29 cable glands. The doors of the connection boxes are equipped with a power lock (divided D) or locking screws. The construction of the boxes allows for double insulation, locking the boxes with padlocks, and sealing. The construction material of the boxes is polycarbonate with glass fiber content, which ensures high resistance to static and dynamic loads, excessive heat and fire, weather conditions, and UV radiation.

## Overview of types:

Cabinet Type	PS 103	PS 106	PSZ 103	PSZ106	PSO 103
Rated Current	100 A	100 A	63 A	63 A	50 A
Protective Devices	3x100 A Knife Fuses	6x100 A Knife Fuses	3x63 A Threaded Fuses	6x63 A Threaded Fuses	3x50 A Fuse Switches
Supply Conductor	up to 35 mm <sup>2</sup>	up to 35 mm <sup>2</sup>	up to 25 mm <sup>2</sup>	up to 25 mm <sup>2</sup>	up to 35 mm <sup>2</sup>
Short Circuit Rating	20 kA				
Rated Voltage	400 V				

**PS 103**



**PS 106**



**PSZ 103**



**PSO 103**



**PSZ 106**



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## Versions of cabinets:

### Basic classification of versions:

<b>PS 103</b>	3 pcs knife fuses PH00
<b>PS 106</b>	6 pcs knife fuses PH00
<b>PSZ 103</b>	3 pcs threaded fuses
<b>PSZ 106</b>	6 pcs threaded fuses
<b>PSO 103</b>	1 pc 3-pole fuse switch for cylindrical fuses

### First additional letter

**S** - pole-mounted installation (version includes Bandimex tape and 2 pcs cable outlets PG29 below for versions 103, or 3 pcs cable outlets PG29 below for versions 106)

**M** - wall-mounted installation (version includes 1 opening above and 1 opening below Ø 37mm for versions 103, or 1 opening above and 2 openings below Ø 37mm for versions 106)

### Second additional letter

**E** - version with energy lock of "D" shape with double division

**S** - version without lock, closed with screw

### Third additional letter

**D** - version with double insulation

**U** - version with external grounding strip

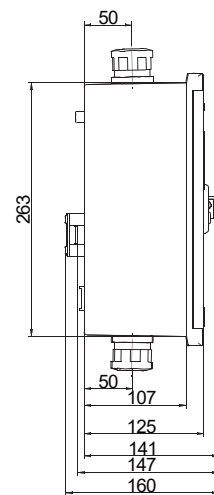
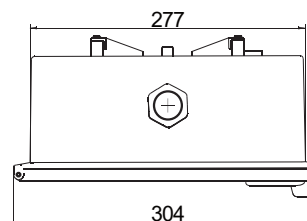
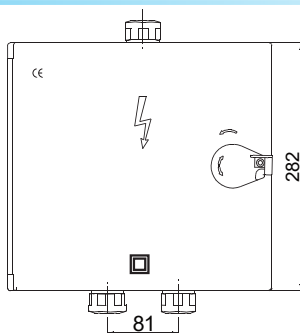
### Example for ordering:

**PS 103 - SED:** 3 knife fuses PH00; pole-mounted installation (version includes Bandimex tape and 2 pcs cable outlets PG29 below; version with energy lock of "D" shape with double division and double insulation).

## Technical data:

<b>Standards:</b>	EN 60439-1, EN60439-5
<b>Rated operating voltage:</b>	400 V, TNC
<b>Rated current:</b>	do 100 A
<b>Insulation voltage:</b>	690 V
<b>Rated frequency:</b>	50 Hz
<b>Short-circuit withstand capability:</b>	20 kA
<b>Degree of protection:</b>	IP 54 - when doors are closed IP 20 - when doors are open
<b>Supply cable:</b>	up to 35 mm <sup>2</sup>
<b>Fire resistance:</b>	category B - not easily flammable
<b>Fault protection:</b>	according to STN 332000-4-41, automatic disconnection from the source, double insulation (not applicable for version U)
<b>Types of electrical connections functional units:</b>	F - fixed connection (fusing elements via terminals, PEN busbar attachment M6 terminal)
<b>Ambient environment:</b>	environment A
<b>Working conditions:</b>	temperature range -25°C to +40°C, pollution degree 2
<b>Accessories:</b>	anchoring straps, energy lock
<b>Cabinet material:</b>	Polycarbonate filled with glass fibers
<b>Cabinet dimensions:</b>	304x282x125 mm
<b>Door closing:</b>	energy lock or transport screw

## Dimensional drawing:



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