

User manual



PSA-631

power distributor

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1 General information

This manual contains important instructions for the safe operation of the unit. Read and follow the safety instructions and all other instructions. Keep the manual for future reference. Make sure that it is available to all those using the device. If you sell the unit please make sure that the buyer also receives this manual.

Our products are subject to a process of continuous development. Thus, they are subject to change.

1.1 Further information

On our website (www.thomann.de) you will find lots of further information and details on the following points:

Download	This manual is also available as PDF file for you to download.
Keyword search	Use the search function in the electronic version to find the topics of interest for you quickly.
Online guides	Our online guides provide detailed information on technical basics and terms.
Personal consultation	For personal consultation please contact our technical hotline.
Service	If you have any problems with the device the customer service will gladly assist you.

1.2 Notational conventions

This manual uses the following notational conventions:



Letterings

The letterings for connectors and controls are marked by square brackets and italics.

Examples: *[VOLUME]* control, *[Mono]* button.

1.3 Symbols and signal words

In this section you will find an overview of the meaning of symbols and signal words that are used in this manual.

Signal word	Meaning
DANGER!	This combination of symbol and signal word indicates an immediate dangerous situation that will result in death or serious injury if it is not avoided.
NOTICE!	This combination of symbol and signal word indicates a possible dangerous situation that can result in material and environmental damage if it is not avoided.
Warning signs	Type of danger
	Warning – high-voltage.
	Warning – danger zone.

2 Safety instructions

Intended use

This device is used to distribute electrical power to multiple connected loads. The device is designed for professional use and is not suitable for use in households. Use the device only as described in this user manual. Any other use or use under other operating conditions is considered to be improper and may result in personal injury or property damage. No liability will be assumed for damages resulting from improper use.

This device may be used only by persons with sufficient physical, sensorial, and intellectual abilities and having corresponding knowledge and experience. Other persons may use this device only if they are supervised or instructed by a person who is responsible for their safety.

Safety**DANGER!****Danger for children**

Ensure that plastic bags, packaging, etc. are disposed of properly and are not within reach of babies and young children. Choking hazard!

Ensure that children do not detach any small parts (e.g. knobs or the like) from the unit. They could swallow the pieces and choke!

Never let children unattended use electrical devices.

**DANGER!****Electric shock caused by high voltages inside**

Within the device there are areas where high voltages may be present. Never remove any covers.

There are no user-serviceable parts inside.



DANGER!

Electric shock caused by short circuit

Always use a properly insulated CEE cable to connect the unit to the 400 V mains grid. Do not modify the CEE cable or the CEE plug. Failure to comply may result in electric shock and risk of fire and loss of life. If in doubt, seek advice from a registered electrician.



NOTICE!

Risk of fire

Do not cover the device nor any ventilation slots. Do not place the device near any direct heat source. Keep the device away from naked flames.



NOTICE!

Operating conditions

This device has been designed for indoor use only. To prevent damage, never expose the device to any liquid or moisture. Avoid direct sunlight, heavy dirt, and strong vibrations.



NOTICE!

Power supply

Before connecting the device, ensure that the input voltage (AC outlet) matches the voltage rating of the device and that the AC outlet is protected by a residual current circuit breaker. Failure to do so could result in damage to the device and possibly injure the user.

Unplug the device before electrical storms occur and when it is unused for long periods of time to reduce the risk of electric shock or fire.

3 Features

- Power distributor 63 A
- Digital voltage ('V') and current ('A') display for each output
- Input
 - Cable with CEE plug
- Outputs
 - 4 × 5-pin CEE built-in socket with hinged lid
- Circuit breaker with trigger switch for each output
- Four-pole residual current device (RCD, residual current circuit breaker) for the input

4 Installation and starting up

Unpack and carefully check that there is no transportation damage before using the unit. Keep the equipment packaging. To fully protect the device against vibration, dust and moisture during transportation or storage use the original packaging or your own packaging material suitable for transport or storage, respectively.

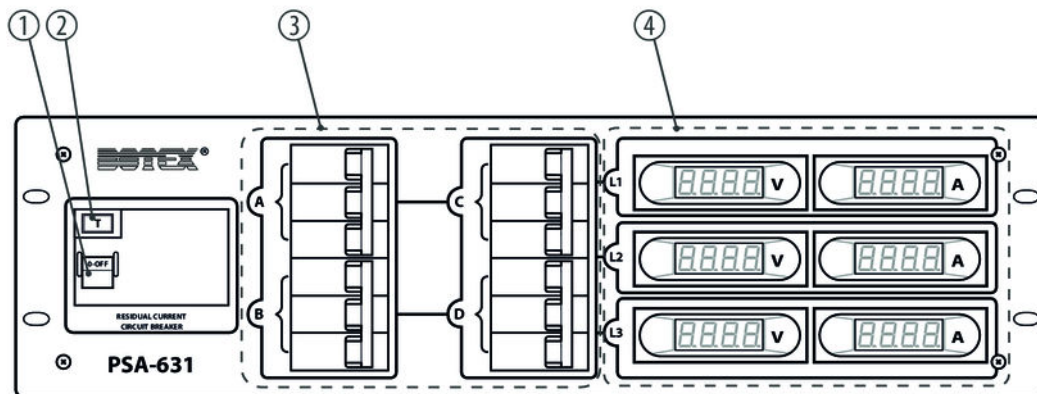
Create all connections while the device is off. Use power supply cables with earthed earthing pin plug or 5-pin CEE-plug only.

Rack mounting

The unit has been designed for rack mounting in a standard 19-inch rack; it occupies three rack units.

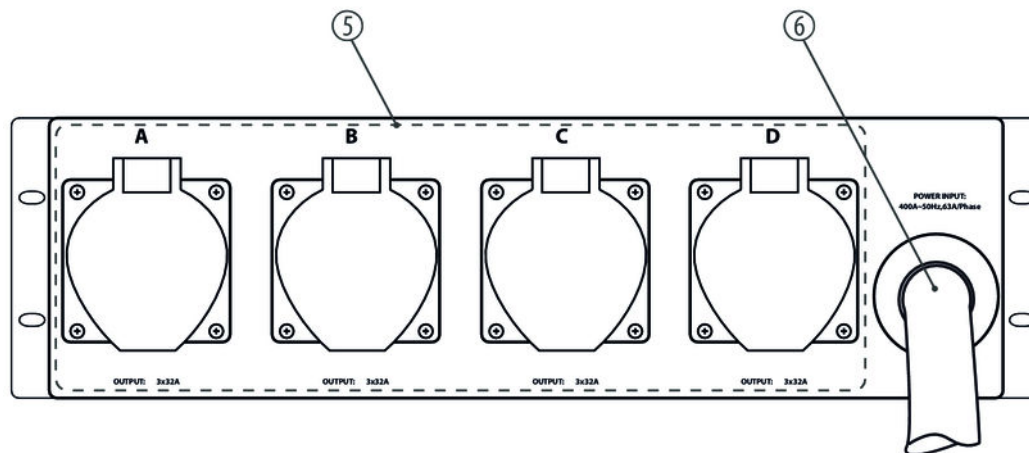
5 Connections and controls

Front panel



1	Residual current device (RCD). This protective device, also known as 'Fehlerstrom-Schutzschalter' or 'FI-Schalter' in German-speaking countries, is used for personal protection. As soon as it detects differential current / fault current, it automatically disconnects the device from the mains.
2	Button for manual triggering the residual current device (RCD).
3	<i>[A], [B], [C], [D]</i> Line circuit breaker for the three phases L1 / L2 / L3 of the current distributor, via which each one output is supplied. In case of overload (> 16 A), the circuit breaker automatically disconnects the supply to the assigned CEE socket.
4	<i>[L1 / L2 / L3]</i> Measuring instruments for voltage ('V') and current ('A') of the three phases.

Rear panel



5 4 × 5-pin CEE built-in socket with hinged lid.

6 Power cable with CEE plug.

6 Technical specifications

Residual current device (RCD) / input	63 A, 4-pin, 0.03 A
Line circuit breaker / outputs	4 × 32 A, 4-pin
Outputs	4 × 5-pin CEE built-in socket
Operating supply voltage	AC 400 V ~ 50 Hz
Dimensions (W × H × D)	482 mm × 134 mm (3 RU) × 256.7 mm
Weight	8.2 kg

7 Protecting the environment

Disposal of the packaging material



For the transport and protective packaging, environmentally friendly materials have been chosen that can be supplied to normal recycling.

Ensure that plastic bags, packaging, etc. are properly disposed of.

Do not just dispose of these materials with your normal household waste, but make sure that they are collected for recycling. Please follow the notes and markings on the packaging.

Disposal of your old device



This product is subject to the European Waste Electrical and Electronic Equipment Directive (WEEE). Do not dispose with your normal household waste.

Dispose of this device through an approved waste disposal firm or through your local waste facility. When discarding the device, comply with the rules and regulations that apply in your country. If in doubt, consult your local waste disposal facility.

