BOTEX
STAGE TECHNOLOGY

PSA-321

User manual

power distributor

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1 General information

This user manual contains important information on the safe operation of the device. Read and follow all safety notes and all instructions. Save this manual for future reference. Make sure that it is available to all persons using this device. If you sell the device to another user, be sure that they also receive this manual.

Our products and user manuals are subject to a process of continuous development. We therefore reserve the right to make changes without notice. Please refer to the latest version of the user manual which is ready for download under *www.thomann.de*.

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 only 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.

Do not use the device if covers, protectors or optical components are missing or damaged.

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 block areas of ventilation. Do not install 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.

Only operate the device within the ambient conditions specified in the chapter 'Technical specifications' of this user manual. Avoid heavy temperature fluctuations and do not switch the device on immediately after it was exposed to temperature fluctuations (for example after transport at low outside temperatures).

Dust and dirt inside can damage the unit. When operated in harmful ambient conditions (dust, smoke, nicotine, fog, etc.), the unit should be maintained by qualified service personnel at regular intervals to prevent overheating and other malfunction.

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.

NOTICE!

Possible staining

The plasticiser contained in the rubber feet of this product may possibly react with the coating of your parquet, linoleum, laminate or PVC floor and after some time cause permanent dark stains.

In case of doubt, do not put the rubber feet directly on the floor, but use felt-pad floor protectors or a carpet.

3 Features

- 3-phase power distributor to 6 × 16 A
- Digital voltage ('V') and current ('A') display for each output
- Input
  - Cable with CEE plug for 3 × 32 A (400 V)
- Outputs
  - 6 × EU safety sockets with hinged lid for each 16 A (250 V)
  - 1 × 5-pin CEE chassis socket with hinged lid for 32 A (400 V)
- Circuit breaker with trigger switch for each output
- Four-pole residual current device (RCD, residual current circuit breaker) for the input
- Robust steel sheet housing with black epoxy powder coating
- Metal front panel
- 19" rack mountable

4 Installation and starting up

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

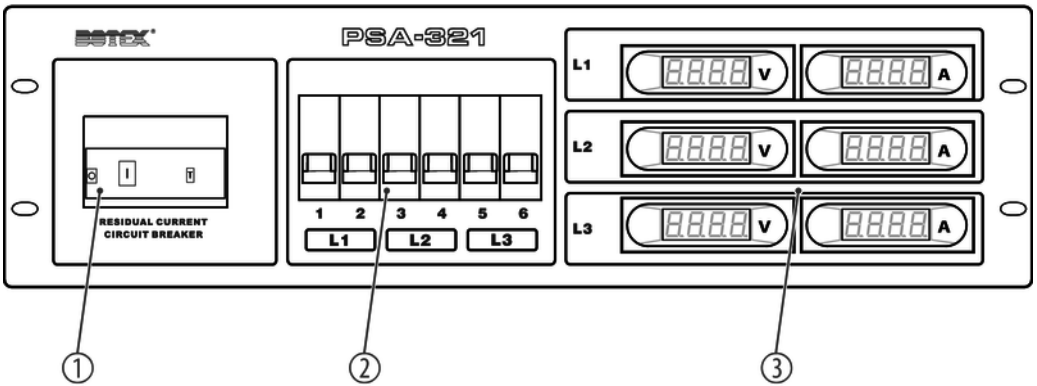
Create all connections while the device is off. Use power supply cables with earthed earthing pin plug or 5-pin CEE-plug only.

Rack mounting

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

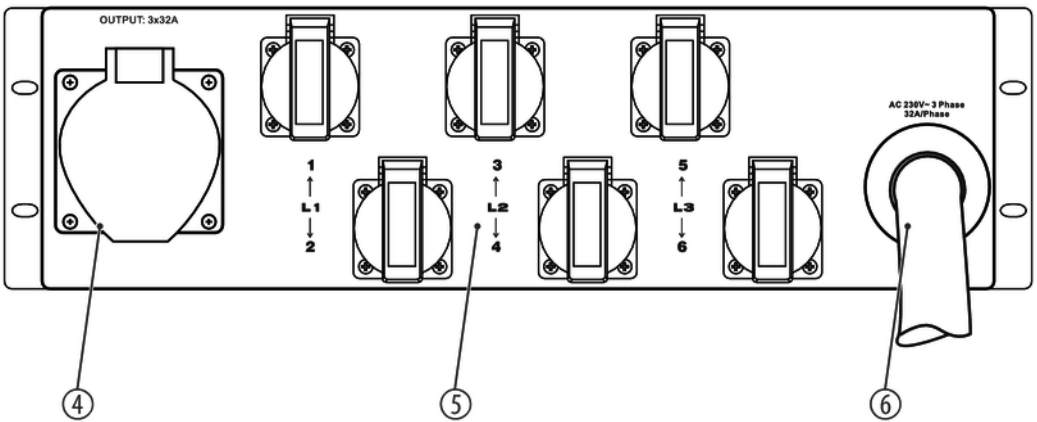
5 Connections and controls

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. *[T]*: Button for manual triggering the residual current device (RCD). *[0]*: Momentary switch for turning off the power supply *[1]*: Momentary switch for turning on the power supply
2	*[1], … [6]* Line circuit breaker for the six outputs of the power distributor. In case of overload (> 16 A), the circuit breaker automatically disconnects the supply to the assigned CEE socket.
3	*[L1 / L2 / L3]* Measuring instruments for voltage ('V') and current ('A') of the three phases.

Rear panel



4	5-pin CEE chassis socket with hinged lid.
5	6 × EU safety socket with hinged lid for the six outputs.
6	Power cable with CEE plug.

6 Technical specifications

Input connections	Power supply	3 × CEE plug, 3 × 32 A
Output connections		6 × EU safety socket 230 V, 16 A
		1 × CEE chassis socket 32 A, three-phase
Safety	Residual current device (RCD) / input	40 A, 4-pin, 0.03 A
	Line circuit breaker / outputs:	6 × 16 A
Supply voltage	400 V ~ 50 Hz	
Degree of protection	IP44	
Mounting options	Thread	
Installation	19", 3 RU	
Dimensions (W × H × D)	482 mm × 133 mm (3 RU) × 198 mm	
Weight	7.9 kg	

Ambient conditions	Temperature range	0 °C…40 °C
	Relative humidity	50 %, non-condensing

Further information

Power handling	32 A
Residual current circuit breaker	Yes
Fuses	6 × automatic fuse 16 A C
Switch	No
Rack format	Yes

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) in its currently valid version. 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.