



CONTRIK PGD-00XX Power Container Instruction Manual

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CONTRIK PGD-00XX Power Container



Product Information

Product Name: CONTRIK Power Container CPC-*

Product Group: CPC*

Manufacturer: CONTRIK

General

- The CONTRIK Power Container CPC-* is a reliable and safe power container.
- This manual applies to all variants of the CONTRIK CPCseries.
- There may be optical deviations with the illustrations in the manual due to different components.
- The devices may differ from each other functionally or in their operation.
- Other instructions may be included in the scope of delivery, which must be observed.
- Improper use may cause hazards such as short circuits, fire, electric shocks, etc.
- The product should be passed on to third parties in its original packaging or with this operating manual.
- The national, legal regulations and provisions must be observed for safe use of the product.
- The product is not intended for use in the medical field or in explosive/flammable environments.
- The product complies with CE standards and should not be modified or changed.

Safety Instructions

- Read the operating instructions carefully and observe the safety instructions.
- Failure to follow the safety instructions may result in personal injury or property damage.
- The warranty/guarantee will be voided if the safety instructions are not followed.

Requirements for Installer and Operator

The operator is responsible for the proper use and safe operation of the CONTRIK Power Container CPC-*. When operated by non-professionals, the installer and operator must ensure the following requirements are met:

- Proper installation and operation of the manifold.

Product Description

The CONTRIK Power Container CPC-* is available in different unit designs and variants. Example variants include:

- Variant: CPC32-C1-H2-CB (Back)
- Variant: CPC63-C1-H4-CBM (Front)

The product includes the following components:

- Main switch (G)
- Measuring unit (I) – e.g. Janitza UMG96-S2
- Fuse (I) – e.g. RCBOs

Product Usage Instructions

Commissioning

Note: The activities described in this chapter may only be carried out by a qualified electrician!

To commission the CONTRIK Power Container CPC-*, follow these steps:

1. Ensure the instrument is connected to a supply line with sufficient cable cross-section and back-up fuse.
2. Check the information on the type plate for specific requirements.
3. Verify the proper connection of the sockets.

General

Product group:

CPC

The information in this manual applies exclusively to the devices described in this manual and all variants of the CONTRIK CPC series. Depending on the design of the devices and due to different components, there may be optical deviations with the illustrations in the manual. In addition, the devices may differ from each other functionally or in their operation.

In addition to these operating instructions, other instructions (e.g. device components) may be included in the scope of delivery, which must be observed in full. In addition, improper use may cause hazards such as short circuits, fire, electric shocks, etc. Only pass the product on to third parties in its original packaging or with this operating manual.

For the safe use of the product, the national, legal regulations and provisions (e.g. accident prevention and occupational health and safety regulations as well as environmental regulations) of the respective country must also be observed. All company names and product designations contained herein are trademarks of their respective owners. All rights reserved.

For safety and approval reasons (CE), you may not modify and/or change the product. The product is not intended for use in the medical field. The product is not intended for use in explosive or flammable environments. Please pay attention to the national regulations:

For Germany, it is a mobile equipment and therefore the instructions of the DGUV regulation 3 have to be followed.

Check delivery

- Power Container
- Electrical test report according to VDE 0701/0702

Safety instructions



Read the operating instructions carefully and observe the safety instructions in particular.



If you do not follow the safety instructions and the information on proper handling in this operating manual, we will not accept any liability for any resulting personal injury/property damage.



In addition, the warranty/guarantee will be voided in such cases.

This symbol means: Read the operating instructions.

- The product is not a toy. Keep it away from children and pets.
- It voids the warranty, in case of manual modifications of the device.
- Do not look into activated lamp. Possibly harmful to the eye. – Wearing safety gloves is recommended to avoid pinch injuries and burns at high ambient temperatures.
- Protect the product from extreme temperatures, direct sunlight, strong vibrations, high humidity, splashing water, falling objects, flammable gases, vapors and solvents.
- Do not subject the product to very high mechanical stress.
- If safe operation is no longer possible, take the product out of operation and protect it from unintended use.

Safe operation is no longer guaranteed if the product:

- shows visible damage,
- no longer functions properly,
- has been stored under unfavorable ambient conditions for an extended period of time, or
- has been subjected to considerable transport stresses.
- Handle the product with care. The product may be damaged by shocks, impacts or dropping.
- Also observe the safety instructions and operating instructions of the other devices that are connected to the product.
- There are parts inside the product that are under high electrical voltage. Never remove covers.
There are no user-serviceable parts inside the unit.
- Residual current circuit breakers (RCCB and RCBO) must be checked for their function by pressing the test button before each use and at least once a month. If the residual current circuit breaker does not trip, it must be checked or replaced immediately.
- Use a properly insulated 5-pole CEE cable to connect the device to the 400 V mains. Do not make any changes to the CEE cable and the CEE plugs. Failure to do so may result in an electric shock and pose a risk of fire or death. If you are unsure, contact an authorized electrical technician.
- Never plug in or unplug power plugs with wet hands. – Only use a proper 5-pin CEE mains socket (400 V/AC, 50 Hz) approved by an authorized electrician as the power source.
- When supplying power to the device, make sure that the cable cross-section of the connecting cable is sufficiently dimensioned according for example to DIN or other national Norms.
- Never connect the product to the power supply immediately after it has been moved from a cold room to a warm room (e.g. during transport). The resulting condensation water can possibly destroy the device or lead to an electric shock! Allow the product to come to room temperature first.

- Wait until the condensation water has evaporated, this may take several hours. Only then may the product be connected to the power supply and put into operation.
- Only suitable for operation on flat surfaces
- Place it outdoors at a sufficient height to protect it from puddling (maximum permissible water height 12.5 mm)
- Do not load it with foreign products
- Do not stack more than 3 distributors of the same type on top of each other
- Do not overload the product Observe the connected load in the technical data.
- Do not operate the product covered! At higher connected loads, the product heats up, which can lead to overheating and possibly fire when covered.
- The product is only de-energized when the power plug is pulled out.
- Make sure that the product is de-energized before connecting any device to it.
- The mains plug must be disconnected from the socket under the following conditions:
 - before cleaning the product
 - during thunderstorms
 - when the product will not be used for an extended period of time.
- Never pour liquids on or near the product. There is a high risk of fire or fatal electric shock. If liquid should nevertheless get inside the device, immediately switch off all poles of the CEE mains socket to which the product is connected (switch off fuse/automatic circuit breaker/FI circuit breaker of the associated circuit). Only then disconnect the mains plug of the product from the mains socket and contact a qualified person. Do not operate the product any longer.
- In commercial facilities, observe the local accident prevention regulations.

For Germany:

German Federation of Institutions for Statutory

Accident Insurance and Prevention (Verband der gewerblichen Berufsgenossenschaften) for electrical systems and equipment. In schools, training centers, hobby and do-it-yourself workshops, the handling of electrical equipment must be supervised by trained personnel.

- Contact a specialist if you have any doubts about the operation, safety or connection of the product.
- Have maintenance, adjustment and repair work carried out exclusively by a specialist or a specialist workshop.
- If you still have questions that are not answered in these operating instructions, contact our technical customer service or other specialists.

Requirements for installer and operator

The operator is responsible for the proper use and safe operation of the manifold. When the manifold is operated by non-professionals, the installer and operator must ensure that the following requirements are met:

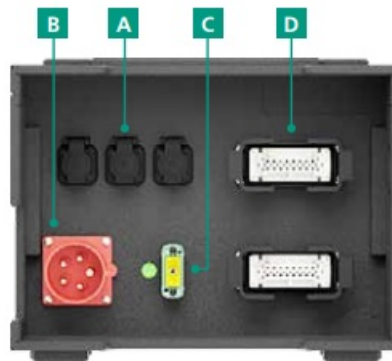
- Ensure that the manual is permanently stored and available at the manifold.
- Ensure that the layperson has read and understood the instructions.
- Ensure that the layperson is instructed in the operation of the manifold prior to use.
- Ensure that the layperson only uses the distributor as intended.
- Ensure that persons who cannot assess the dangers involved in handling the distributor (e.g. children or persons with disabilities) are protected.
- Ensure that a qualified electrician is consulted in the event of malfunctions.
- Ensure that the national accident prevention and work regulations are observed.

Product description

Unit design and variants

Variants

Example: CPC32-C1-H2-CB (Back)



Example: CPC63-C1-H4-CBM (Front)



Pos.	Description
1	Article description
2	QR code for further options such as: Manual
3	Protection class (IP)
4	Rated voltage
5	Number of outer conductors
6	Input connector
7	Serial number (& batch number)
8	Product group
9	Mandatory self-declaration (WEEE Directive)
10	CE marking
11	Part number

Commissioning

The activities described in this chapter may only be carried out by a qualified electrician! If the instrument is connected to a supply line with insufficient cable cross-section and / or insufficient back-up fuse, there is a danger of fire, which can cause injuries or an overload, which can cause damage to the instrument. Observe the information on the type plate! Check the connection of the sockets.

- Supply the power distributor with power via the connection.
- Switch on the protective devices.

Operation

This device is used to distribute electric current to several connected consumers.

The device is designed for professional use and is not suitable for household use. When permanently installed in stationary 19" rack cabinets, the device is suitable for unattended continuous operation.

Only use the device as described in these operating instructions. Any other use, as well as use under other operating conditions, is considered improper and may result in personal injury or property damage.

No liability is accepted for damage resulting from improper use.

The device may only be used by persons who have sufficient physical, sensory and mental capabilities as well as appropriate knowledge and experience. Other persons may only use the device if they are supervised or instructed by a person responsible for their safety.

Protection against foreign bodies and weather influences

The power distributors comply with protection class IP 44 in accordance with DIN EN 60529 (VDE 0470-1), provided that the position of use is complied with.

IP 44 means in detail:

- IP 4X: Protected against solid foreign bodies with a diameter of diameter from 1.0 mm, e.g. a wire.
- IP X4: Protection against splashing water from all sides.

Both during storage and operation, the the cPot plug and input connector must be covered or or plugged in to comply with IP 44.

Maintenance, testing and cleaning

- The housing, mounting materials and suspensions must not show any signs of deformation.
Cleaning of the interior of the unit may only be carried out by qualified personnel.
- Please check the local regulations for the product inspection details.

For Germany:

According to DGUV regulation 3, this inspection must be carried out by a qualified electrician or an electrically instructed person using suitable measuring and testing equipment. • A period of 1 year has proven to be the testing interval. You must determine the interval in accordance with DGUV Regulation 3 Implementation Instructions to suit your actual operating conditions. The range is between 3 months and 2 years (office).

- Switch off the product before cleaning. Then disconnect the plug of the product from the mains socket. Then disconnect the connected consumer from the product.
- A dry, soft and clean cloth is sufficient for cleaning. Dust can be easily removed with the help of a long-haired, soft and clean brush and a vacuum cleaner.
- Do not under any circumstances use aggressive cleaning agents or chemical solutions, as this could attack the housing or impair the function.

Disposal

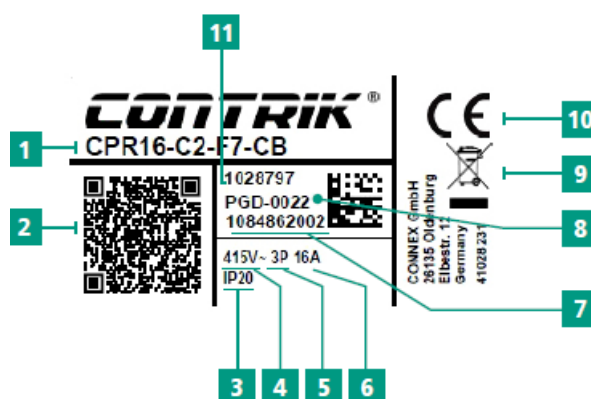
Electronic devices are recyclable materials and do not belong in household waste.
Dispose of the product at the end of its service life in accordance with the applicable legal requirements.
By doing so, you fulfill the legal obligations and make your contribution to environmental protection.
Send the device to the manufacturer for disposal free of charge..

Technical data

General specifications	
Supply voltage	415 V/AC, 50 Hz
Rated current	32 A Power Container Xtreme 63 A Power Container Xtreme
Output connections	Harting E16 6ch [1-9] 3 x powerCON® TRUE1® TOP cPot
Protection class	IP44 (when plugged in)
Operating temperature	-5 bis +40°C Operating temperature > 20° C will change the tripping behavior of the circuit breakers

Relative humidity	Indoor: 95 % at -5 °C to +30 °C 70 % at +35 °C 57 % at +40 °C Outdoor: 100 % at -25 °C to +27 °C 60 % at 35 °C 46 % at 40 °C
Dimensions approx.	395 mm x 295 mm x 405 mm (CPC63-C1-H4-CBM) ca. 395 mm x 295 mm x 270 mm (CPC32-C1-H2-CB) (without fittings)

Label:



Pos.	Description
1	Article description
2	QR code for further options such as: Manual
3	Protection class (IP)
4	Rated voltage
5	Number of outer conductors
6	Input connector
7	Serial number (& batch number)
8	Product group
9	Mandatory self-declaration (WEEE Directive)
10	CE marking
11	Part number

Further technical data can be found in the corresponding data sheets or at www.contrik.com

Imprint

Subject to change due to technical progress! These operating instructions correspond to the state of the art at the time of product delivery and not to the current development status at Neutrik.

If any pages or sections of these operating instructions are missing, please contact the manufacturer at the address given below.

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Document Identification:
Documenten No.: BDA 678 V1
Version: 2023/03
Original Language: Deutsch

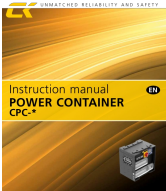
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Documents / Resources

	<p>CONTRIK PGD-00XX Power Container [pdf] Instruction Manual CPC-, PGD-00XX, PGD-00XX Power Container, Power Container, Container</p>
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References

- [CONTRIK Professional power distribution systems, equipotential bonding systems and premium power cables - Contrik Brand](#)