



SENECT Power Switch

SC24-400

SC230-400

MANUAL



Product type

Product name:	Power Switch SC24-400 Power Switch SC230-400
Type:	PWS-24400-SC PWS-230400-SC
Art.-Nr.:	3110: PWS-24400-SC 3111: PWS-230400-SC
Producer:	SENECT GmbH & Co. KG An 44 – No. 11 76829 Landau / Germany

Important note:

Please read this manual carefully and store it so that you can use it later. Read the warning and safety notes attentive.

More information and latest software releases or documents can be downloaded from:

www.senect.de

Further information, application descriptions and answers to frequently asked questions can be also found on the SENECT Forum:





<http://forum.senect.de>

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Used symbols and wording

	<p><i>DANGER!</i></p> <p>Warning of life threatening dangers.</p> <p><i>WARNING!</i></p> <p>Warning of possible life threatening and / or severe irreversible injuries.</p> <p><i>ATTENTION!</i></p> <p>Warning of possible medium or slight injury.</p>
	<p><i>ATTENTION!</i></p> <p>Follow the notes to avoid damage of equipment</p>
	<p><i>NOTE!</i></p> <p>Further information for the use of the device!</p>
	<p><i>ATTENTION!</i></p> <p>Warning of electrical shock.</p>

General Security Notes

The Power Switch is an electric device designed for switching 3-phase 230 V (=400 V_{eff}) AC consumers with the SENECT control unit's low voltage output ports.



Since it is an electric product the common prerequisites for a safe instrument usage must be fulfilled. Ensure that all cables are installed safely so that no obstacles for persons are built and all. Mount all cables and electric devices protected against direct environmental impacts like overheating by direct sunlight and water. Even if the product is protected against spray water, the product's lifetime will be elongated, if it is mounted on a protected place.

The operating temperature of the device must be between minus 5°C and plus 40°C.

The device is designed to be operated by professional users. It can be also operated by children over the age of 8 years and persons with limited physical, sensorial or cognitive ability, if they are supervised, trained in the operation of the device, able to operate the device safely and if they understand potential risks resulting from the operation. It is for children or persons with limited physical, sensorial or

cognitive ability not allowed to perform any maintenance works.

Please store this manual. We suggest the storage a copy of the manual in the vicinity of the device.

Technical and optical changes of this manual are subject to alterations.

Intended use

The SENECT Power Switch is designed for switching 3-phase 230 V (=400 V_{eff}) AC consumers (up to 6 kW) with the actuator output ports (SC24-400) / mains plugs (SC230-400) of compatible SENECT control units. Please consider that according to the local law, the CEE power socket must be fused and eventually equipped with a fault-current circuit breaker and maybe motor protection switch.

Compatible control units are:

SC24-400	SC230-400
FILTER CONTROL	FILTER CONTROL
AQUACULTURE CONTROL	AQUACULTURE CONTROL
SENECT ONE	
SENECT TWO	

Getting started

Scope of delivery

- 1 x Power Switch SC24-400 or SC230-400
- 1 x Manual

Note



Please check directly after delivery, that the package is not destroyed or damaged or was opened before. Please check also, that all parts as listed above are included. If anything is missing or broken, please contact us as soon as possible within 14 days. Unfortunately, we cannot accept later information of damage, which happened during the transport.

Installation and start-up



Mount the Power Switch in the vicinity of a splash water protected power socket (CEE, 5-pol., 16 A, min. IPx4) and near your control unit.

Use the wall mount set to fix the Power Switch on a wall. Therefore, attach the wall mounts on the back of the housing and tighten it with the delivered screws. Now, the Power

Switch can be mounted on a wall through the holes of the wall mount holders.

SC24230: Connect the green actuator cable to one of the actuator output ports on your control unit.

SC230400: Connect the mains cable to one of the mains sockets on your control unit.

Plug in the power plug (CEE, 16 A, 5-pol.) of the consumer into the plug socket of the Power Switch and connect the power plug to the supplying power socket.

Now, the Power Switch is ready to be used. If the acutator plug is switched on, the 400 V of the Power Switch will be switched on.



Please note that there is no internal protection like a fault-breaker circuit etc. This means that all the protection required by local laws must be covered by the electrical installation leading to the supplying CEE plug.

Getting started – short version

1. Mount the Power Switch with screws (with the wall mount set).
2. Connect the cable to the control unit (SC24-400: actuator output plug „OUT“, SC230-400: mains socket “230V OUT”).
3. Plug your consumer CEE plug into the Power Switch power socket.
4. Plug the power plug into the supplying power socket.

Now, the Power Switch is ready to be used.

Technical data

Dimensions housing:	App. 230 x 122 x 210 mm
Cable length:	Each 1 m
Voltage:	24 V DC / 230 V AC 3 x 230 V AC
Power consumption:	3 W
Temperature range:	-5° to +40 °C
Max. switching power:	6 kW
Estimated lifetime mechanical	10 x 10 ⁶ switching's
Ingress protection class:	IP44

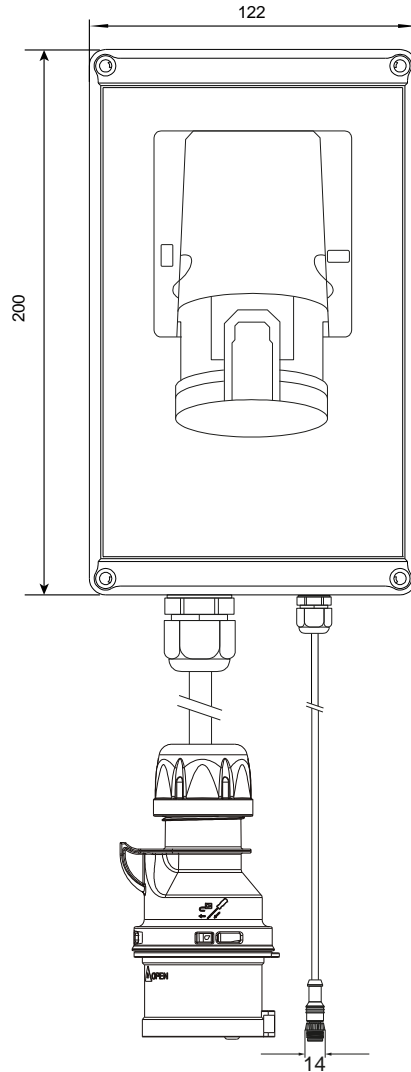


Fig. 1: Technical sketch of the Power Switch SC24-230.

Information about the correct disposal



Your device is well packed at delivery. Please dispose the packaging material accordingly to the regulations in your country.

Do not throw the product in the casual litter bin. Make sure you are informed about the local disposal regulations and dispose your product accordingly. Alternatively, you can also send the product back to the producer.

The SENECT GmbH & Co. KG is member of the Stiftung Elektro-Altgeräte Register and the products are registered (WEEE-Reg.-Nr.: DE37193510).

Guarantee



Please check at delivery of your device, that all parts are delivered completely and that they function correctly. In case of any claims, contact us immediately per email or phone (info@senect.de or +49-6341 - 95 95 210). Please describe your claim as detailed as possible so that we can provide a solution as fast as possible. The product has a guarantee of 1 year and a warranty of 2 years. Furthermore, the § 377 HBG (German law) is valid.