

**NEW**  
Starting 1. June 2020



### Control box type SCT iSMPS

New generation of the proven standard

The control box type «SCT iSMPS» replaces the control box type «VD SCT».

Previously energized by a toroidal transformer, the new control box works with a high-power and intelligent switch-mode power supply.

The interface is equipped with strain-relieved Molex motor-, RJ hand switch-, RJ sensor- and RJ synchronisationscable-connectors.

The automatic recognition of the number of plugged-in lifting elements, squeeze lines and syncables simplifies the modular configuration of lifting system variants.

A by default integrated tilt sensor reacts to uneven driving lifting elements and reduces the risk of dangerous situations.

### Technical Data SCT iSMPS

SCT2 / SCT4 iSMPS

# motor channels	2 / 4
Output power	580 W
Output voltage	24 V
Output amperage	20 A (22 A Peak)
Input voltage	207 – 254.4 V / 50 Hz / 4.5 A 103.5 – 127.2 V / 60 Hz / 7.4 A
Dimension (LxBxH)	309x120x55
IP protection class	IP 20
Memory positions	9
Sync function	Yes (Autodetect)
Squeeze line	Yes (Autodetect)
Tilt sensor	Yes
Two-way comm.	Yes (RS-232 Interface, SPS)

<<Modular circuit board structure for future expansion modules (e.g. Bluetooth interface)>>

### Applied standards and guidelines

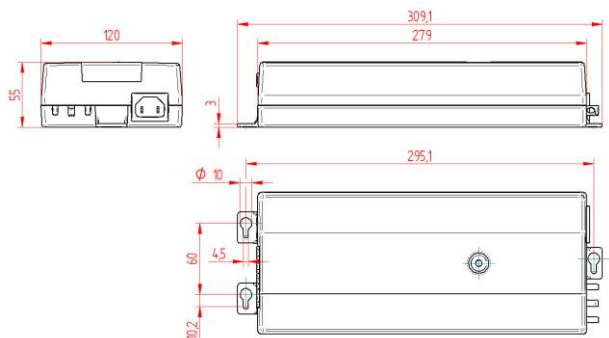
Authorized for EU and US

#### SCT type 230V (EU)

Electrical Safety EN 60335-1  
EMC EN 61000

#### SCT type 110 V (US)

Electrical Safety UL 60950  
EMC/EMI FCC Part 15 B (Class A)




<p><b>Compatibility</b> Designed for Ergoswiss lifting elements</p> <p>The SCT iSMPS control box is only allowed to be used with the following lifting elements:</p> <ul style="list-style-type: none"> <li>- Linear units SLX 13xx</li> <li>- Lifting columns SX 13xx</li> </ul> <p>No lifting elements 14xx should be connected to the control box SCT iSMPS! → <i>See also system combinations</i></p>	<p><b>Performance data lifting columns</b> System loads and lifting speeds</p> <p>The control box SCT iSMPS throttles the lifting speeds of the SX systems by 1 – 2 mm/s at high loads. → Overheating protection of the electrical components on the circuit board</p> <p>The max. load that can be achieved with the SLX systems is reduced by 25 kg per leg with the new SCT iSMPS control. → <i>See also system combinations</i></p>
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**Q3/Q4 2020\***

<p><b>Control box SCT iSMPS 24 V</b> Applications in vehicles, connection to batteries</p> <p>Mobile workstations or height adjustment in the caravan area usually have a 24 V power supply. Today, the 24 V must be transformed to 230 V using an expensive sine converter. In Q3 2020, a control box SCT iSMPS with a 24 V power supply will be available.</p>	<p><b>24 V control box with switching battery</b> Complete solution: Battery operated lifting system</p> <p>A lifting system with a removable battery is suitable for applications that do not have a fixed power supply and do not want to be operated by hand crank. The exchangeable battery works like a drilling machine -&gt; one battery charges while the second drives the lifting system. Battery powered lifting systems will be available in Q3 2020.</p>
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**Q4 2020\***

<p> <b>Bluetooth interface</b> Expansion module BT</p> <p>With the Bluetooth interface, the lifting system can be controlled via Bluetooth protocol. The development of Bluetooth apps enables intelligent and wireless control via mobile phone, tablet or PC.</p> <p>Possibilities:</p> <ul style="list-style-type: none"> <li>- Sit/stand reminders</li> <li>- Communication with peripheral devices</li> <li>- Display of error messages</li> <li>- Diagnostic tools</li> <li>- Ect.</li> </ul>	<p><b>Performance Level PL c</b> Expansion module FuSi</p> <p>Functional safety (FuSi) ensures the correct functioning of the control box and other risk-reducing measures (e.g. squeeze lines). The performance level (PL) describes the degree of the control box's ability to ensure functional safety.</p> <p>Control boxes for height-adjustable tables usually have a performance level PL b. Industrial workplaces with constantly high loads can demand a performance level PL c from the risk assessment. Lifting systems with PL c will be available in Q4 2020.</p>
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\* Subject to changes in the time line of the development projects