

## Steca Solarix PLI Installation references

<b>General info</b>	<p>Please adhere to the following general information:</p> <ul style="list-style-type: none"> <li>• Only qualified service professionals may perform the installation of this device</li> <li>• Before using the device, read all instructions and cautionary markings, the batteries, and all appropriate sections of the product manual</li> <li>• Adhere to local norms and regulations</li> <li>• For the location of the installation the following conditions must be true: <ul style="list-style-type: none"> <li>○ The humidity must be below &lt;90% (non-condensing) and not salty</li> <li>○ The ambient temperature is between 0°C and +55°C</li> <li>○ The device has the protection class IP21 – ensure the environment is neither unduly dusty nor dirty</li> </ul> <p>If the conditions above can't be met naturally, a suitable climatization of the corresponding room must be provided instead</p> </li> <li>• The device must not be opened. A removal of the casing voids the product warranty.</li> </ul>
<b>PV-input Surge Protection</b>	<p>We recommend the customer to install an SPD (Surge Protection Device) at the inverter PV-/DC-input side.</p> <p>As such we recommend:</p> <ul style="list-style-type: none"> <li>• A 160Vdc SPD – e.g. the Citel DS240S-110DC (PLI 5000)</li> <li>• Or a 110Vdc SPD – e.g. the Citel DC240S-75DC (PLI 2400/PLI 1000)</li> </ul>
<b>AC-input Surge Protection</b>	<p>We recommend the customer to install an SPD (Surge Protection Device) at the inverter AC-input side.</p> <p>This SPD will help to disconnect unexpectedly high AC-input surges towards the inverter.</p> <ul style="list-style-type: none"> <li>• As such we recommend a 275 Vac SPD - e.g. the DEHNguard modular (DG M TNS 275 FM - 952 405)</li> </ul>
<b>AC-input Residual Current</b>	<p>Due to its design, the inverter cannot cause a DC fault current. The installation of a Residual Current Device (RCD) is not necessary. If local installation regulations or the power supply company do require the installation of an external residual current device (RCD) in the AC connection line, a type A residual current device (RCD) is sufficient according to IEC 62109-1. The tripping current should be rated at least 100 mA or higher.</p> <p>If several inverters are installed in a system, a corresponding earth-leakage circuit breaker (RCD) must be installed for each individual inverter.</p>
<b>Battery connection</b>	<p>Ensure to use a battery fuse as close as possible to the battery terminal with a rating of at least 250Adc for the PLI 5000 or 200Adc for the PLI 2400 or PLI 1000 as over-current protection for the battery and battery cables.</p> <p>The fuse must be able to reliably protect the battery cables from short-circuit or overload.</p>

**Disregarding the installation references can cause irrevocable damages to the device not covered by the product warranty!**