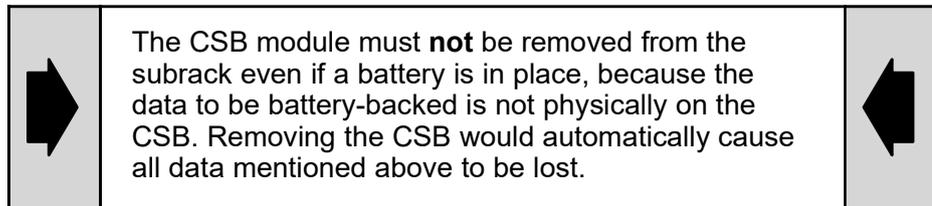


8.2 Replacing the battery

There is a backup battery (6LR61, 550mA, 9V) on the central service board (CSB) 6FC5114-0AA02-0AA0. The following data is backed up with this battery voltage: PLC program, RPA, TOA, SEA, SEA4, ZOA TEA.



The battery backup voltage is monitored by the control.

Monitoring is performed in two steps:

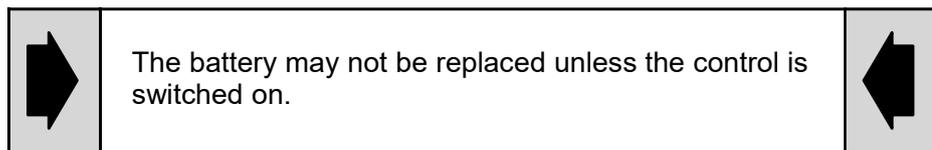
Warning 1st step

Advance warning if the battery voltage falls below 6V, Alarm 101 "Advance warning battery replacement" is triggered.

Warning 2nd step

Alarm 1 "Data lost at power off", the threshold value is 4.8 V.

If the 2nd step is triggered, the battery must be replaced immediately.



Battery replacement

- Store and transport the battery in its packaging.
- Before fitting the battery, check it over for damage. Do not use any battery that shows signs of damage.

Procedure

- Undo the screw in the battery cover.
- Carefully remove the cover with battery.
- Using a screwdriver, push the battery out of the cover.
- Detach the contact lug from the battery.
 - On CSB with product version D and higher:
Lithium batteries (Varta type 6127 503 074)
 - On CSB up to product version C:
Alkaline batteries (type 6LR61, 550 mAh)

Note

On product version D of the CSB, the operating points of the battery monitoring system have been adjusted to the lithium battery.

When a CSB of product version C is combined with a lithium battery or a CSB of product version D with an alkaline battery, the advance warning period may be less than 4 weeks or the data support time less than 1 year if the ambient conditions (temperature) are not ideal.

- Push battery back into battery cover
- Screw battery cover back onto CSB

Weaker batteries may also be used for short periods. However, this results in a shorter data support time and increases the risk of battery leakage.

**Caution**

Batteries must never be thrown into fires.
Batteries must never be taken apart.
Used batteries must be disposed of separately from other waste (special waste disposal). The national regulations valid in the country of installation must be observed.