Generate energy supply
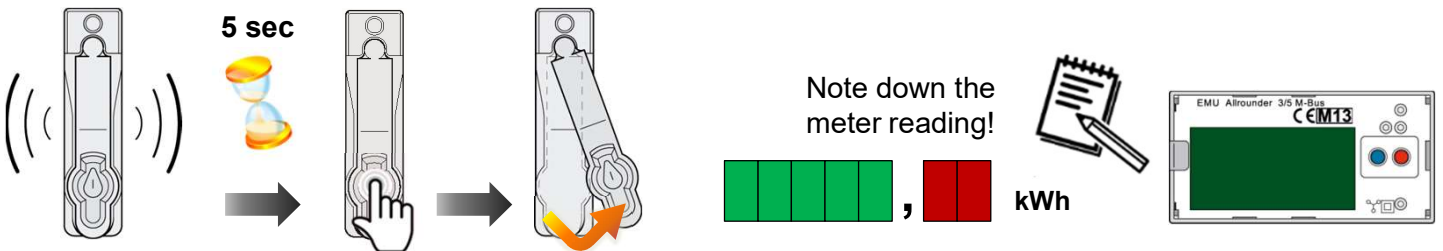
The connection may only be created by trained personnel!

Log on

Ready!
Please present card!

Ready
Please present card

oder

Welcome
Door is unlocked ✓

Unregistrate account
Please Call… 🚫
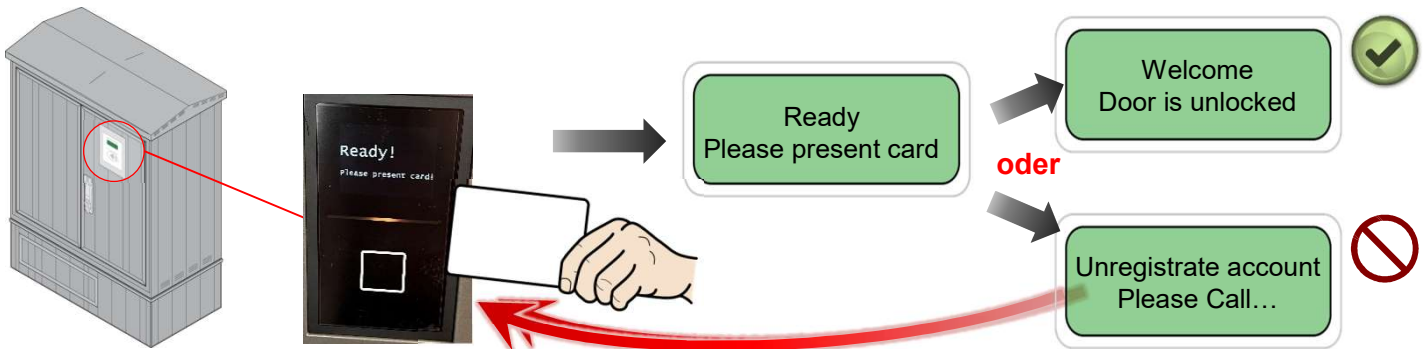
Open doors and take meter reading

The operator must be informed immediately of any damage or irregularities!

5 sec

Note down the meter reading!

, kWh

EMU Allrounder 3/5 M-Bus CE M13

Establish a connection

1. **2.** **3.** **4.** **5.** →

Establish a direct and permanent connection.

I. Connect energy cables on the ship.

TURN 45° TO LOCK

INSTRUCTION
CONNECT IN SEQUENCE
GROUND N, L1, L2, L3
(LEFT TO RIGHT)
DISCONNECT IN REVERSE ORDER

N   L1   L2   L3

LOCK TO SECURE

CE

WARNING - DO NOT DISCONNECT UNDER LOAD

Connection 2

Connection 1

400V / 50Hz / max. 320A

Safety precautions:

- Only use heavy-duty rubber-insulated cables.
- Cables must be undamaged!
- The use of adapters or extension leads is not permitted.

II. Feed the energy cables through the cable opening in the base of the energy terminal.
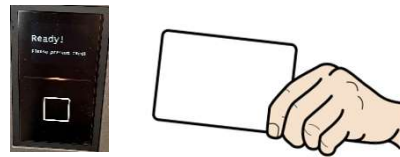
III. Connect energy cables to the energy terminal.

- Cables must be strain-relieved.

6.

LOCK TO SECURE

| PE | N | L1 | L2 | L3 |

Hold the card again

Switch on the power supply

Freigabe Powerlock

Einschalt-bereit

Anschluss 1 und / oder Anschluss 2

30 min

L1
L2
L3

Power available!

- Switch the main switch on the ship over to shore power.
- Repeat for Powerlock 2 step 1+2
- Keep the doors closed throughout the energy supply process.

Disconnect energy supply

Switch off power supply and log off

- Switch the main switch on the ship to self-supply.

Power available!

„OFF"

✓ All control lights switched off.

✓ The energy supply is now disconnected.

Disconnect the connection

PE	N	L1	L2	L3	
6.	5.	4.	3.	2.	1.

I. Disconnect all energy cables on the energy terminal.

TURN 45° TO UNLOCK

Unlock energy cables.

INSTRUCTION CONNECT IN SEQUENCE GROUND N, L1, L2, L3 (LEFT TO RIGHT) DISCONNECT IN REVERSE ORDER

WARNING - DO NOT DISCONNECT UNDER LOAD

II. Pull the energy cables out through the cable opening in the base of the energy terminal and close the cable feedthrough opening.

III. Release all connection cables on the side of the ship.
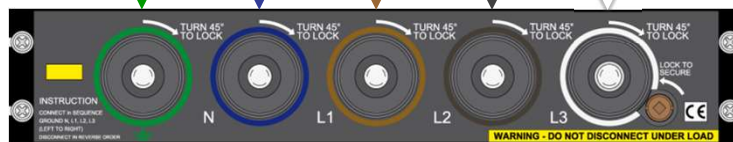
Take meter reading and leave the energy terminal

- Take the current meter reading and compare with the value noted prior to the energy supply.

EMU Allrounder 3/5 M-Bus
CE M13

, kWh
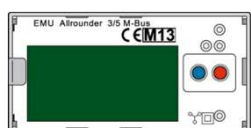
- Close and lock the doors of the energy terminal.