

MI_2202: Energy optimisation for iCombi Pro / iCombi Classic Electric



iCombi Pro / iCombi Classic Electric



30 min.



Standard



11/06/2025

Topic

This information describes the modification of the energy optimisation for the iCombi Pro / iCombi Classic Electric.

Affected product/accessories

iCombi Pro / iCombi Classic Electric

- 6-2/3
- 6-1/1
- 6-2/1
- 10-1/1
- 10-2/1
- 20-1/1
- 20-2/1

Required tool

- Standard

Required components

- 6-2/3

The kit: 87.01.923S contains the following components:

Component	Item number
IO module expansion, Energy_opt.	42.00.324P
Cable A10-A18	40.06.852
Cable A10-A18	40.06.853
Cable set Sico. with auxiliary switch	40.07.644
Retaining clip for PCB	40.03.756
Protective conductor terminal WK-FN4D1/2/SL/35	40.07.046

- 6-1/1, 6-2/1, 10-1/1 & 10-2/1
The kit: 87.01.924S contains the following components:

Component	Item number
IO module expansion, Energy_opt.	42.00.324
Cable A10-3xAxx	40.06.849
Cable A10-2xAxx	40.06.850
Cable A10-1xAxx	40.06.854
Cable set Sico. with auxiliary switch	40.07.642
Retaining clip for PCB	40.03.756

- 20-1/1 & 20-2/1
The kit: 87.01.925S contains the following components:

Component	Item number
IO module expansion, Energy_opt.	42.00.324P
Cable A10-3xAxx	40.06.849
Cable A10-2xAxx	40.06.850
Cable A10-1xAxx	40.06.854
Cable set Sico. with auxiliary switch	40.07.643
Retaining clip for PCB	40.03.756
Earth terminal WKFN 4 SL/35	40.04.638

General information

This information "MI_2202: Energy optimisation iCombi Pro-Classic" replaces the following modification instructions:

- MI_2076
- MI_2110
- MI_2117
- MI_2118
- MI_2119
- MI_2120

Target group

- This document is intended for skilled technicians, who have been certified by the manufacturer after attending training and safety instructions.
- Installation, inspection, maintenance, and repair work must only be carried out by trained technicians.
- It is recommended that only technicians authorised by the manufacturer perform inspection, maintenance and repair work.
- The unit may not be used, cleaned, or maintained by children. The unit may not be used for play. This is prohibited even under supervision.
- The unit may not be used, cleaned, or maintained by people with limited physical, sensory, or mental capacity or those without the necessary experience or knowledge, unless such people are supervised by a person who is responsible for their safety and who has been informed of the hazards of the unit.
- In order to prevent accidents or damage, the manufacturer recommends that technicians attend training and safety instructions.

Safety instructions

DANGER

High voltages when connecting to the mains power

Danger to life due to high voltage.

- Disconnect from the power supply.
- Secure against unintentional switching on.
- Make sure the cooking system is disconnected from the power.

CAUTION

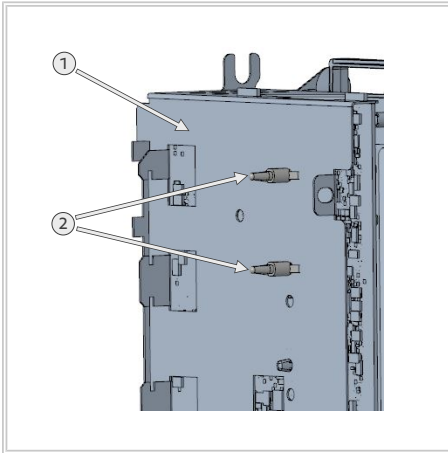
Sharp edges on the housing

Risk of cuts on the housing when working in the unit.

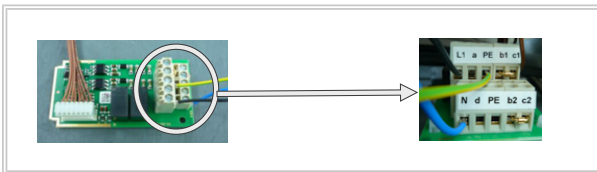
Wear protective gloves.

Work steps – Modification of energy optimisation

- ✓ The unit is voltage-free and the electrical compartment is open.
- ✓ 6-2/3: The control panel must also be opened.
- 1. Insert the two PCB retaining clips (2) on the back of the I/O module holder (1).



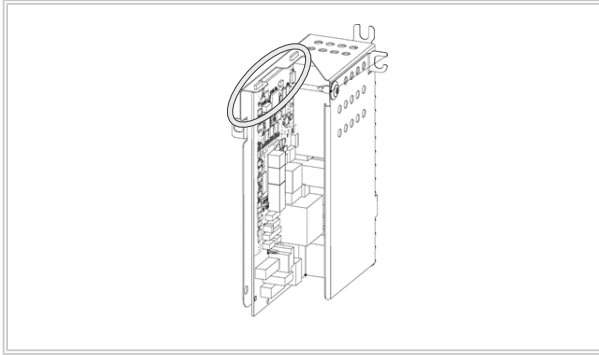
- 2. Connect the cables to the energy optimisation board.
L1=black
N=blue
PE=yellow/green)



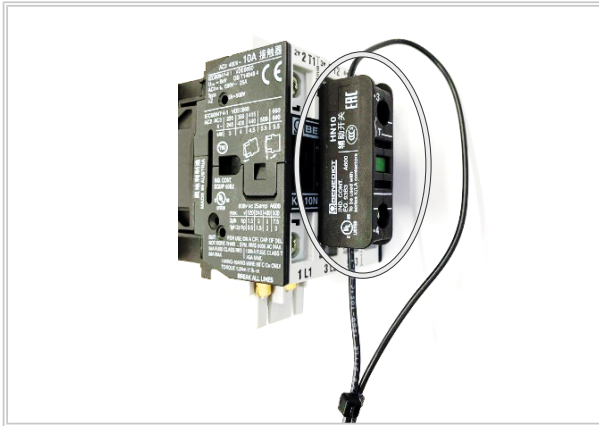
- 3. Plug in the cable "cable set Sico. with auxiliary connector" on the I/O board (X76). Also connect the brown cable to the I/O board (X29).
6-2/3: The cable is already in the specified slot. This should be replaced

with the new one.

Notice: With 6-2/3, the I/O board is installed turned 180°. For this reason, the specified slot is at the lower end of the I/O board.

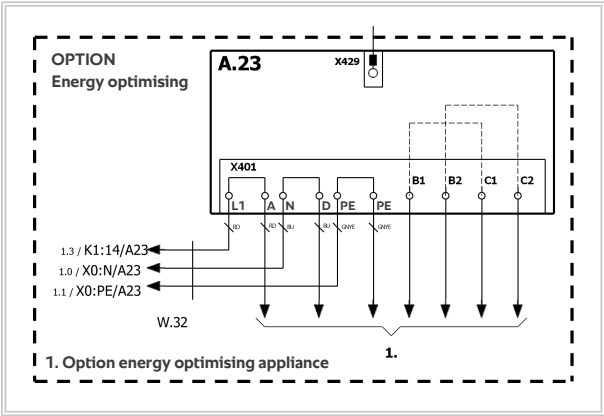


4. Plug the auxiliary contact onto the contactor.



5. Notice: Earthing is carried out in different ways.
 6-2/3: Replace the currently installed protective conductor terminal with the 3-way protective conductor terminal. Then connect the protective conductors (PE).
 6-1/1, 6-2/1, 10-1/1 & 10-2/1: Earthing is attached directly to the earth terminal.
 20-1/1 & 20-2/1: Plug in the additional protective conductor terminal. Then connect the additional protective conductor.
 6. Attach cable conduit for individual cable.
 7. Activate energy optimisation in "Service level → Basic setting".
- >> The modification is complete.

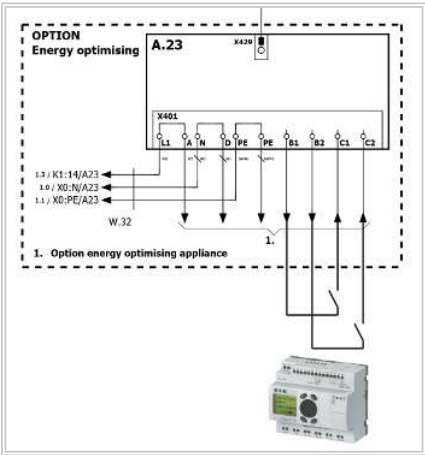
Connection to an external energy optimisation



Request for heat output of cooking system	Request on B1	Request on B2
0 %	0 V	0 V
50 %	230 V	0 V
100 %	230 V	230 V

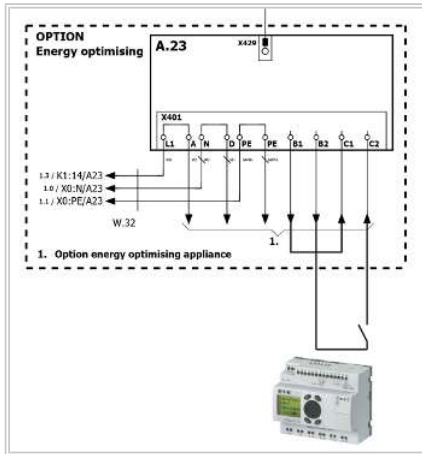
Connection possibilities

- Optimization: 0 % or 50 % or 100 %



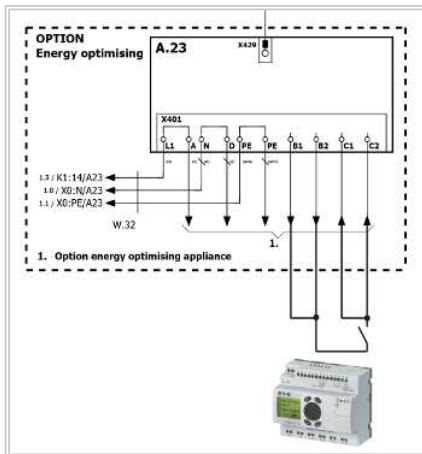
Heating output approved by the energy optimiser	Feedback on C1	Feedback on C2
0 %	0 V	0 V
50 %	230 V	0 V
100 %	230 V	230 V

■ Optimization: 50 % or 100 %



Heating output approved by the energy optimiser	Feedback on C1	Feedback on C2
50 %	230 V	0 V
100 %	230 V	230 V

■ Optimization: 0 % or 100 %



Heating output approved by the energy optimiser	Feedback on C1	Feedback on C2
0 %	0 V	0 V
100 %	230 V	230 V

NOTICE

To ensure optimal cooking results, do not reduce the heating for more than 10 seconds per minute.

