



**SEW
EURODRIVE**

Installation Instructions



TCB thermal circuit breaker



1 General information

INFORMATION



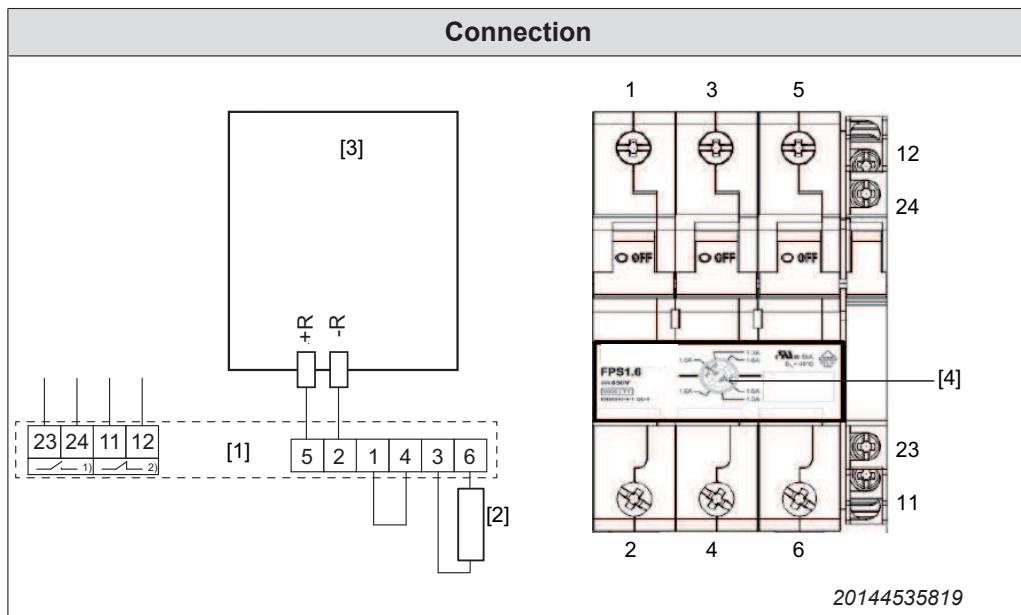
Other applicable documentation

The following installation notes are only applicable in addition to the operating instructions of the inverter.

Observe the safety notes in the applicable operating instructions.

2 TCB thermal circuit breaker

If a TCB thermal circuit breaker is used, the following connection applies.



[1] TCB thermal circuit breaker

[2] Braking resistor

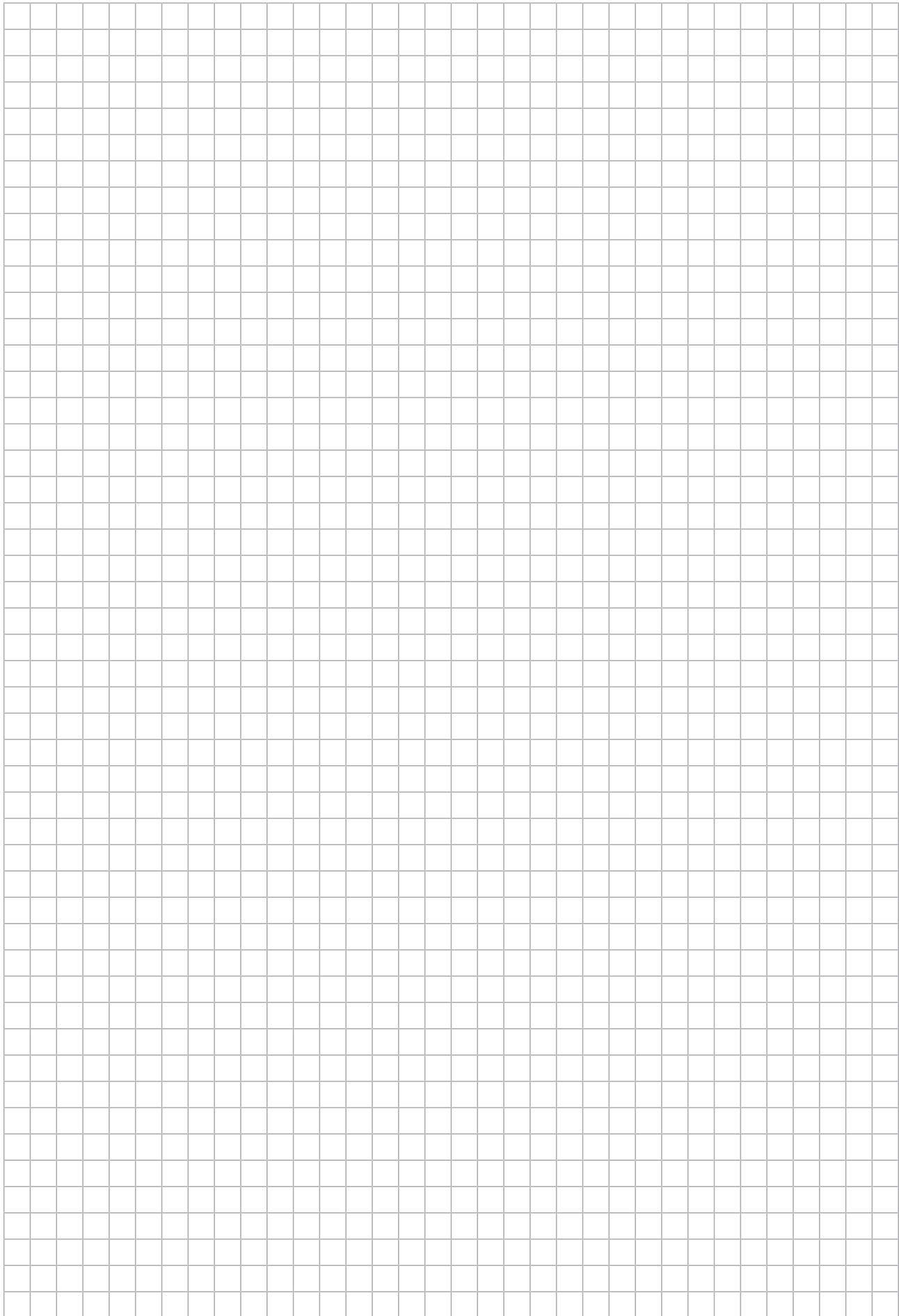
[3] Inverter

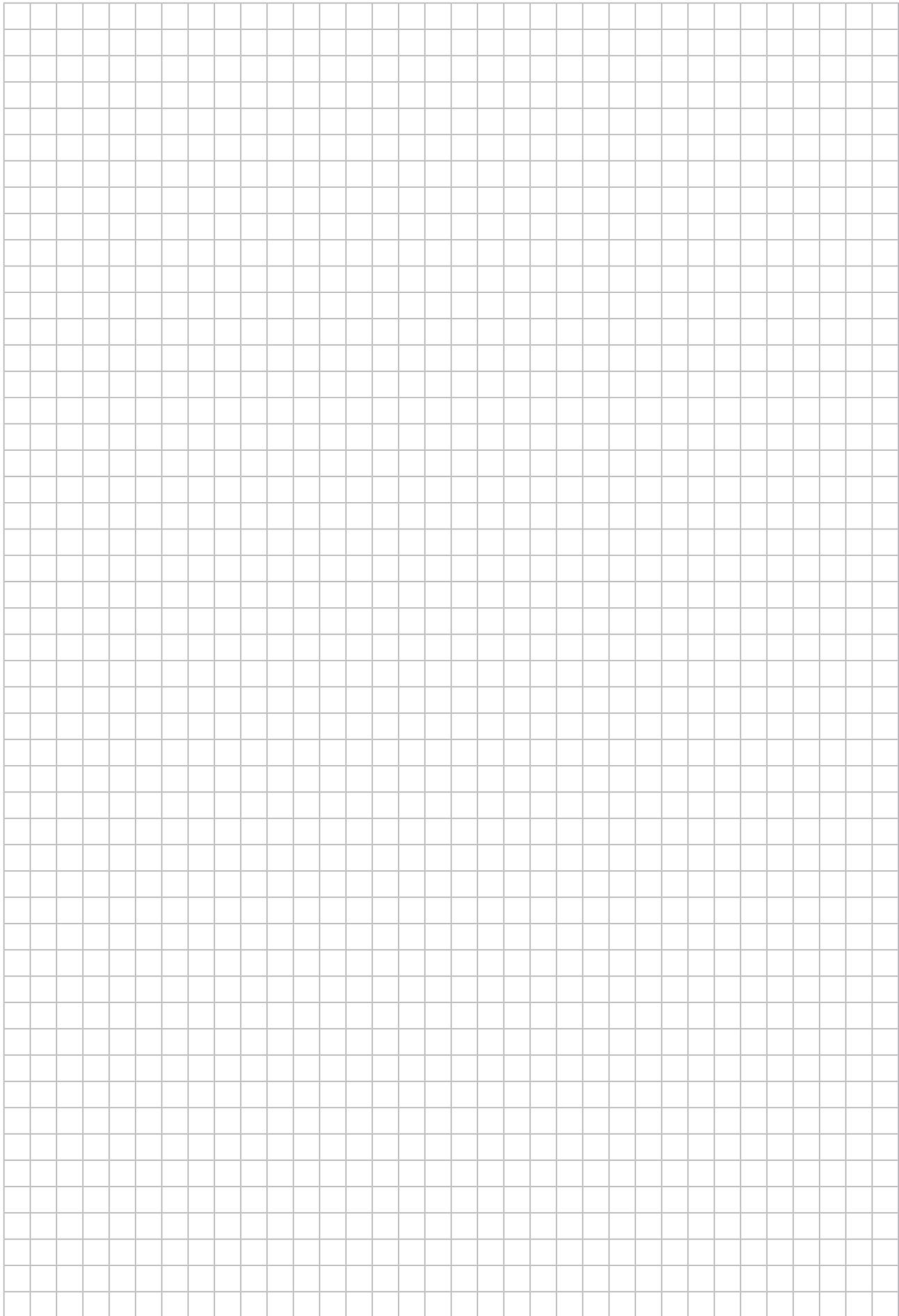
[4] Control knob

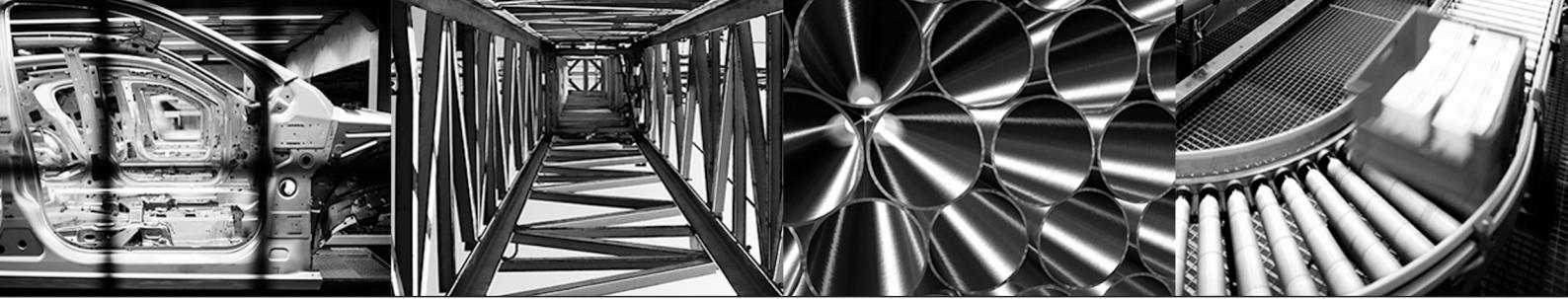
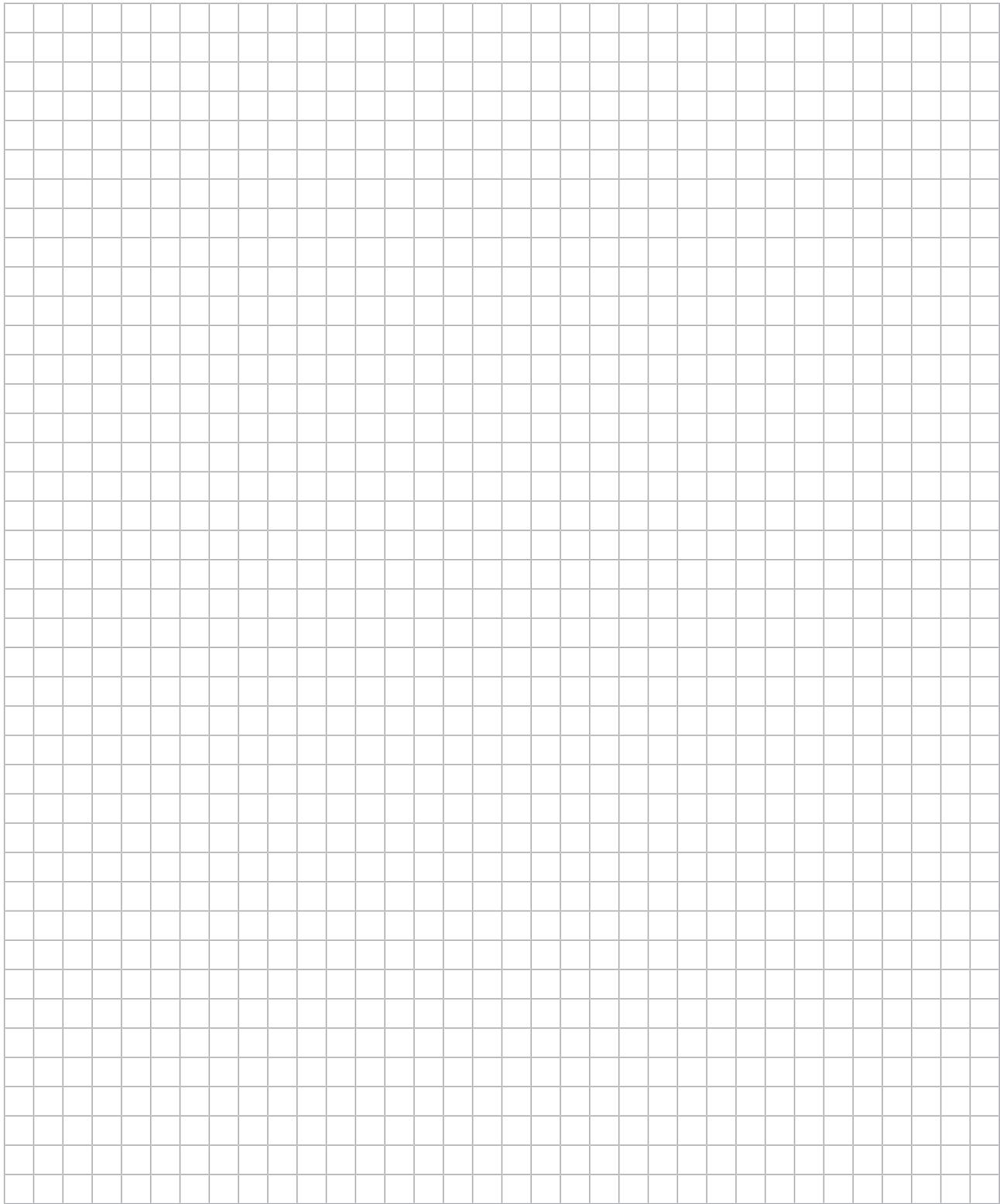
1) Opens in case of thermal overload

2) Closes in case of thermal overload

- If the thermal circuit breaker trips, the signal contact is set (23-24 connection is opened, 11-12 connection is closed).
- The connection between inverter and braking resistor is disconnected.
- This does not require a response by the PLC.
- It is not required to disconnect the supply system connection with an external switching device.
- Set the control knob [4] of the thermal circuit breaker TCB to the tripping current I_F of the connected braking resistor. For doing so, set scaling to 40 °C.
- After all cables are connected, the 3 upper screw holes must be covered with 3 touch guard caps. The touch guard caps are included in the delivery.









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