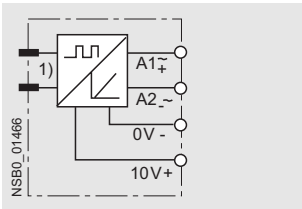
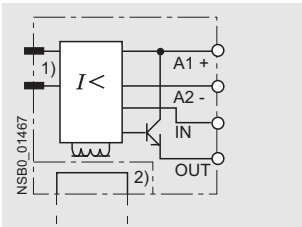


Schematics

Converters

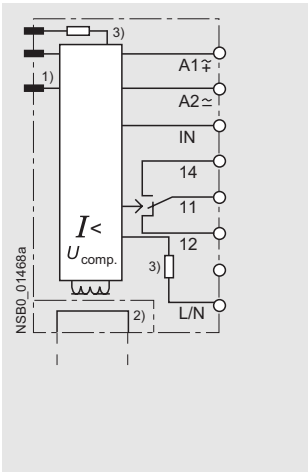


Basic load monitoring

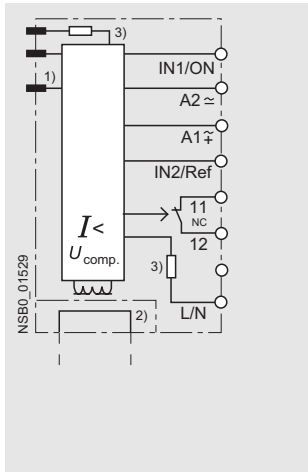


- 1) Internal connection.
- 2) Straight-through transformers.

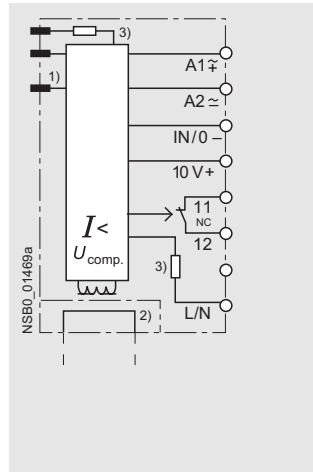
Extended load monitoring



Heating current monitoring



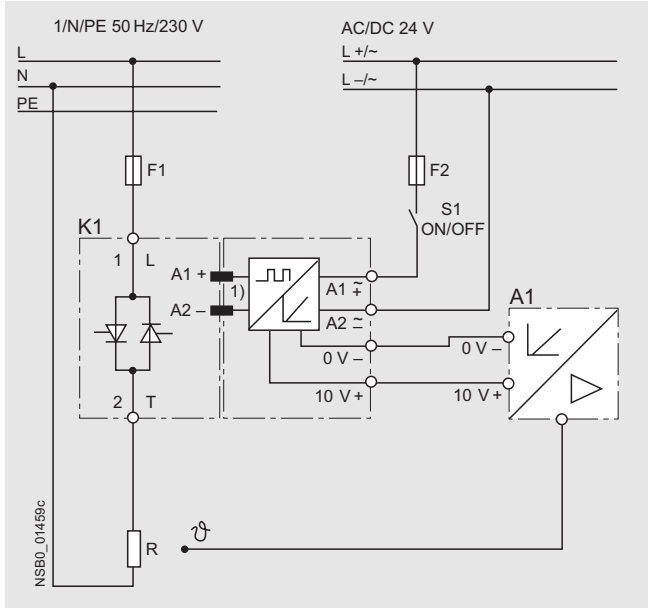
Power controllers



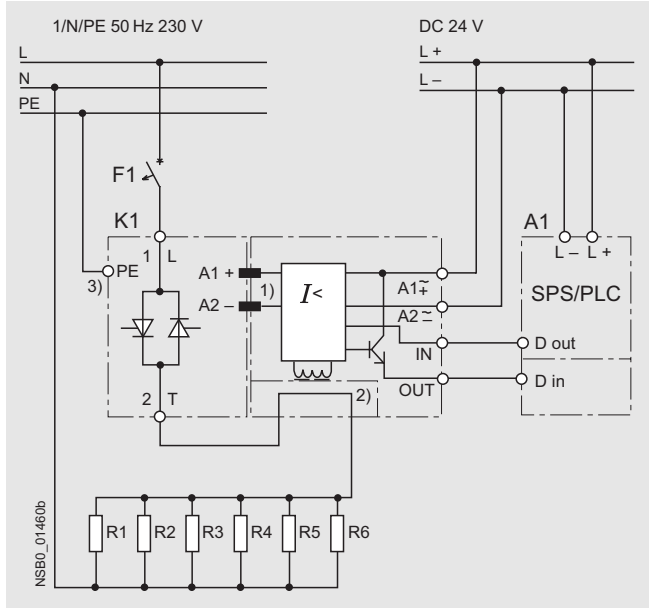
- 3) Voltage detection not electrically isolated (3 M Ω per path).

Switching examples

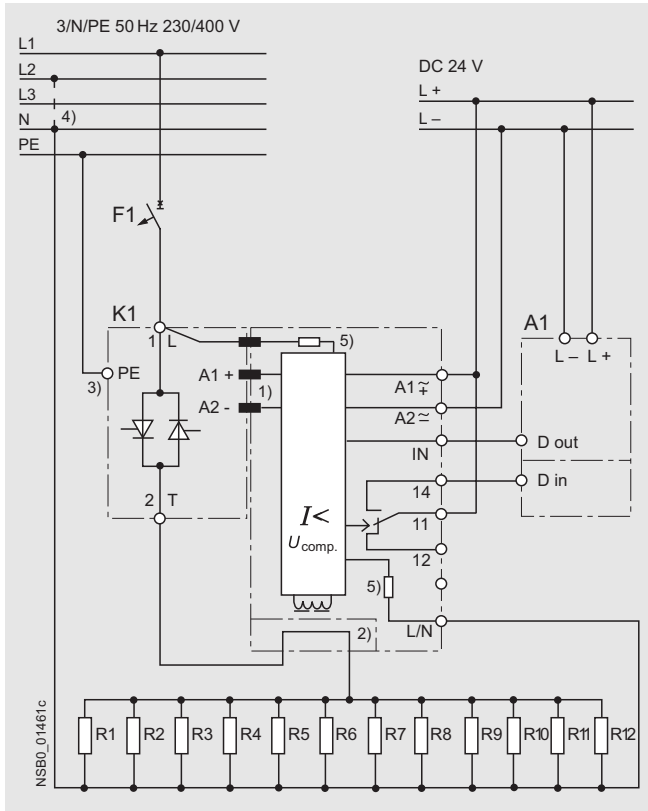
Converters



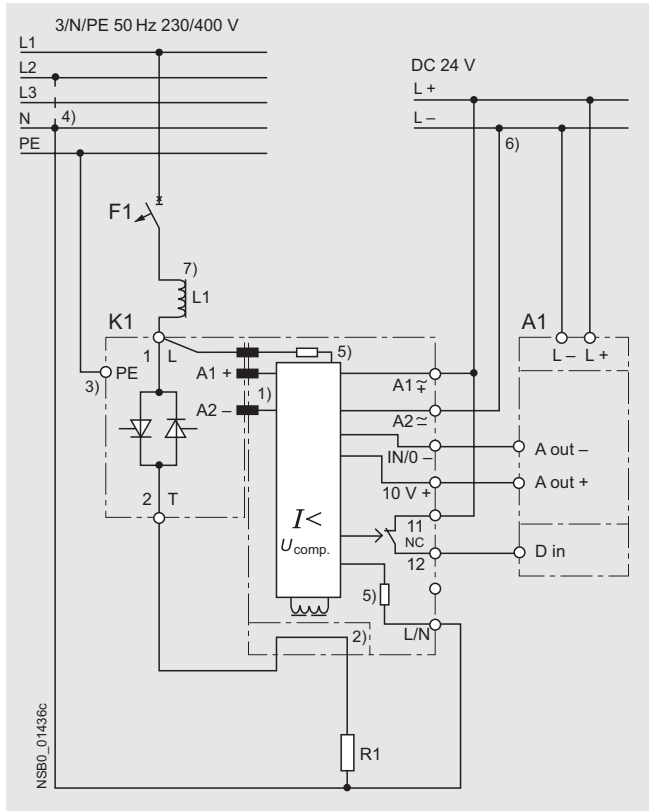
Basic load monitoring



Extended load monitoring



Power controllers



- 1) Internal connection to the solid-state relay/contacter.
- 2) Straight-through transformer.
- 3) Make PE/ground connection according to installation regulations.
- 4) Connection of L/N contact with:
 - Load monitoring/power controller 3RF29 ...-0.A.3 on neutral conductor N (e.g. 230 V).
 - Load monitoring/pwoer controller 3RF29 ...-0.A.6 on a second phase (e.g. 400 V).

- 5) Voltage detection not electrically isolated (3 MΩ per path).
- 6) Grounding of connection L- is recommended.
- 7) A 200 μH choke must be used when operating with leading-edge phase in order to observe the limit values of the conducted interference voltage according to Class A.