

SCHUKO socket outlet with RCD protection switch

Order no.: 4708 xx

Operation and installation instructions

1 Safety instructions

Electrical equipment must only be installed and assembled by qualified electrical engineers in compliance with the currently valid safety and accident prevention regulations. The "5 safety rules" must be observed.

Failure to comply with these instructions may result in damage to the device, fire or other hazards.

Hazard due to electric shock. Disconnect before working on the device or load. Take into account all circuit breakers that supply dangerous voltages to the device or load.

No changes or repair measures may be carried out on the device.

The currently valid safety and accident prevention regulations according to DIN VDE 0100 and associated part must be observed and applied.

These instructions are an integral component of the product, and must be retained by the end user.

2 Device overview (Figure 1)

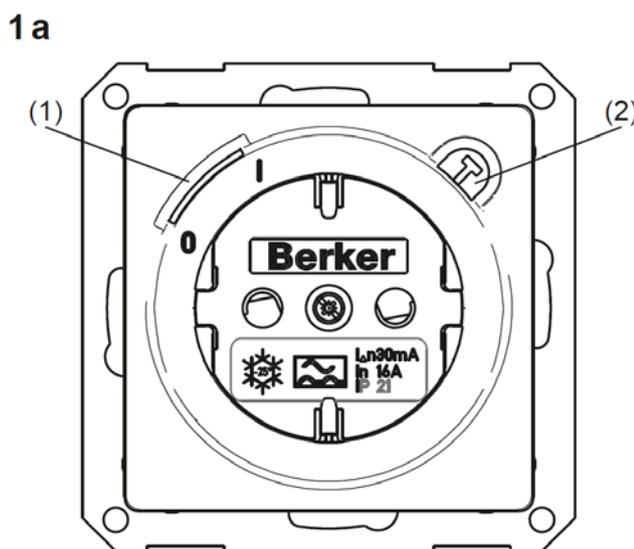


Figure 1 a: button arrangement

- (1) Switch: I (operation), 0 (OFF)
- (2) Test button

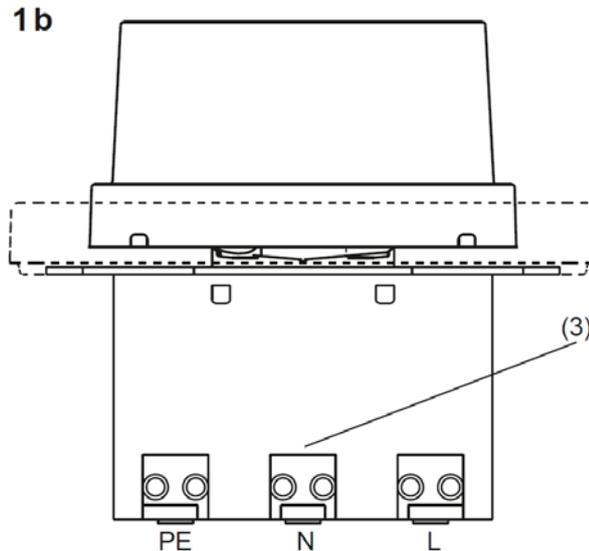


Figure 1 b: connections

(3) Terminals

3 Function

The SCHUKO socket outlet with FI-circuit breaker is a stationary protection device in socket outlet design for protection level increase according to DIN VDE 0664.

The functional principle is voltage independent and corresponds to that of an residual current circuit-breaker (ground fault circuit-breaker).

In the event of fault, outer conductors (**L-conductor**) and neutral conductors (**N-conductor**) are deactivated.

i The electrical installation up to the SCHUKO output socket with ground fault circuit-breaker is not protected.

Intended use

- Suitable for use according to DIN VDE 0100-410
- Protection device for AC and pulsed DC fault currents
- Protection against inserted consumers
- i** Additional socket outlets can be connected to the output terminals. The currently valid VDE regulations must be observed.
- Increased protection against accidental contact according to DIN VDE 0620-1
- Flush-mounting in appliance box made of insulating material according to DIN 49073

4 Operation

Switching on SCHUKO socket outlet with FI-circuit breaker

- Push switch to position **I** (operation).
The socket outlet is ready for operation.

Checking function of the safety unit

The protective function of the device must be checked periodically at least once a month. Mains voltage and socket outlets are switched on.

- Press (2) test button.
The safety unit switches off immediately. The switch (1) is in position **0** (OFF).

Switching off SCHUKO socket outlet with FI-circuit breaker

- Push switch (1) to position **0** (OFF).
The socket outlet is switched off permanently.

5 Information for electricians**5.1 Installation and electrical connections****DANGER!**

Touching live parts can result in an electric shock.

An electric shock can lead to death.

Before working on the device or load, disconnect all associated circuit breakers.

Cover all live parts in the area.

Assembly of the device

- ❶ The safety and accident prevention regulations according to DIN VDE 0100 must also be complied with when using SCHUKO socket outlets with FI-circuit breakers.
- Connect device in compliance with application:

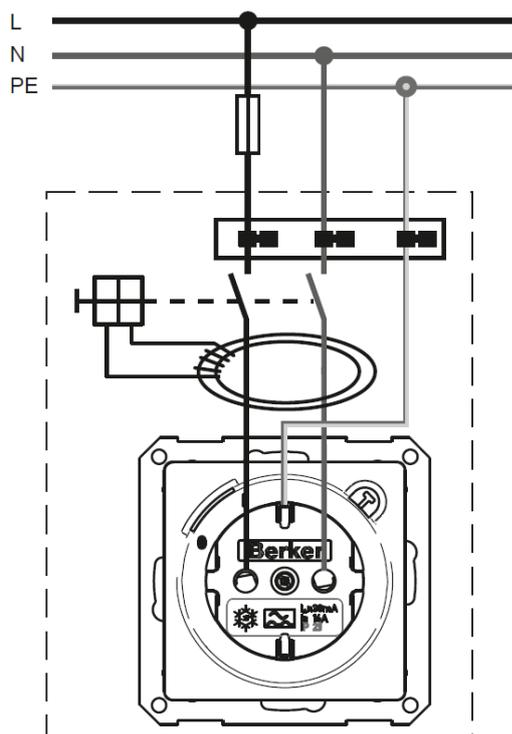


Figure 2: Connection with TN-S or TT network

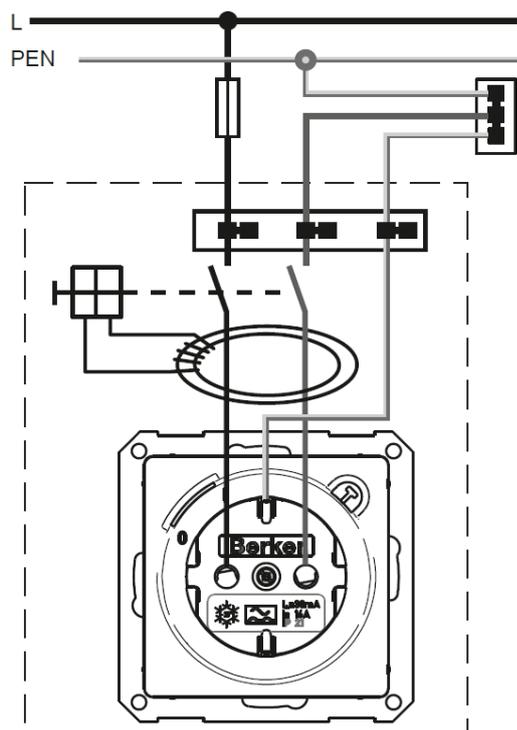


Figure 3: Connection with TN-C network

- Fasten socket outlet using the clamps or supporting ring.
- ❏ Recommendation: Use deep wall box.
- Attach frame and centre plate and screw tight.
- Switch on mains voltage.
- Check protective function (Checking function of the safety unit).
The device is ready for operation.

6 Appendix

6.1 Technical Data

Rated voltage	AC 230 V~
Rated frequency	50 Hz
Rated fault current	30 mA
Rated current	16 A
Short-circuit strength	3000 A (with fuse 20 A gG)
Test mark	VDE
Regulation	VDE 0664
Protection class	IP21
Connections	2- or 3-wire cables
FI-protected output conductor	L, N
Triggering times according to VDE 0664	1x $I_{\Delta N} \leq 300$ ms 5x $I_{\Delta N} \leq 40$ ms
Surge resistance	250 A (surge form 8/20 according to DIN VDE 0432 part 2)

Suitable for	AC and pulsed DC fault currents
Ambient temperature	-25 ... +40 °C
Plug-in terminals	1.5 ... 2.5 mm ²
Wall box	appliance box made of insulating material according to DIN 49073
Fastening	screw or clamp fastening

6.2 Warranty

We reserve the right to make technical and formal changes to the product in the interest of technical progress.

Our products are under guarantee within the scope of the statutory provisions.

If you have a warranty claim, please contact the point of sale or ship the device postage free with a description of the fault to the appropriate regional representative.

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