

PCE

PRCD-S+

The crucial **PLUS** in safety!

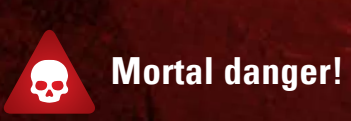
Connection
to the future



Protection



Secondary accidents may occur!



Mortal danger!

RCD (FI)
2-pole

PRCD
2-pole

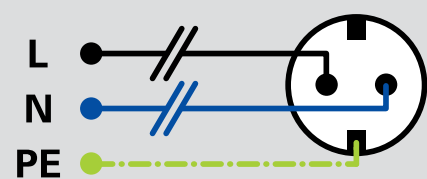
PRCD
3-pole

PCE

PRCD-S+

Installation failure

L or N interrupt



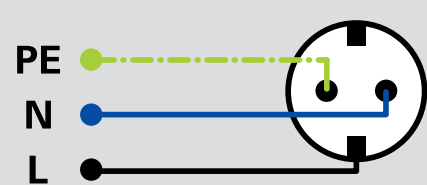
Switch-on not possible - no power supply;
In case of interruption during operation all conductors switch off.

PE recognition



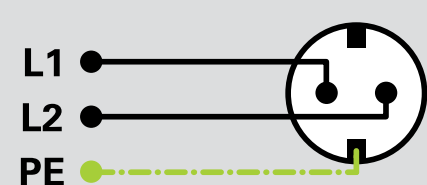
Switch-on not possible;
In case of interruption during operation all conductors switch OFF.

Installation failure



Switch-on not possible.

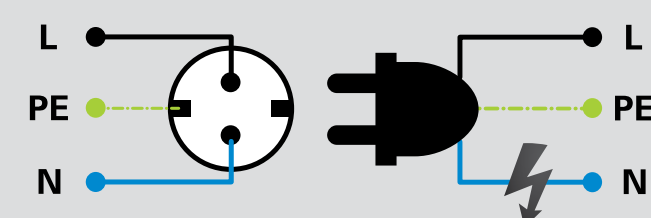
Under- / Over voltage



PLUS Switch-on not possible;

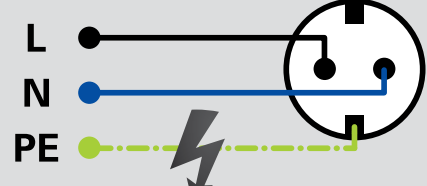
External failure

Leakage current $\geq 30\text{mA}$ ($\geq 10\text{mA}$)



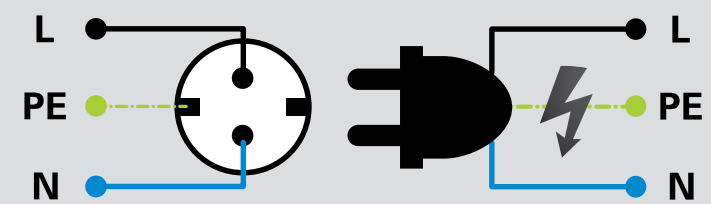
Switch-on not possible.
During operation L and N switch-off and
PLUS PE conductor circuit remains closed!

PE under voltage at switch-on



Switch-on not possible.
PLUS Error recognition (glove!)

External voltage at PE



In case of external voltage on PE and the resulting current flow, L and N switch off and
PLUS PE conductor circuit remains closed!

ONE-BUTTON
HANDLING

PLUS The classic „test button“ is eliminated. Before every switch-on procedure and during operation a **fully automatic** verification is performed in order to check the correct supply conditions.

PERFECT
PROTECTION

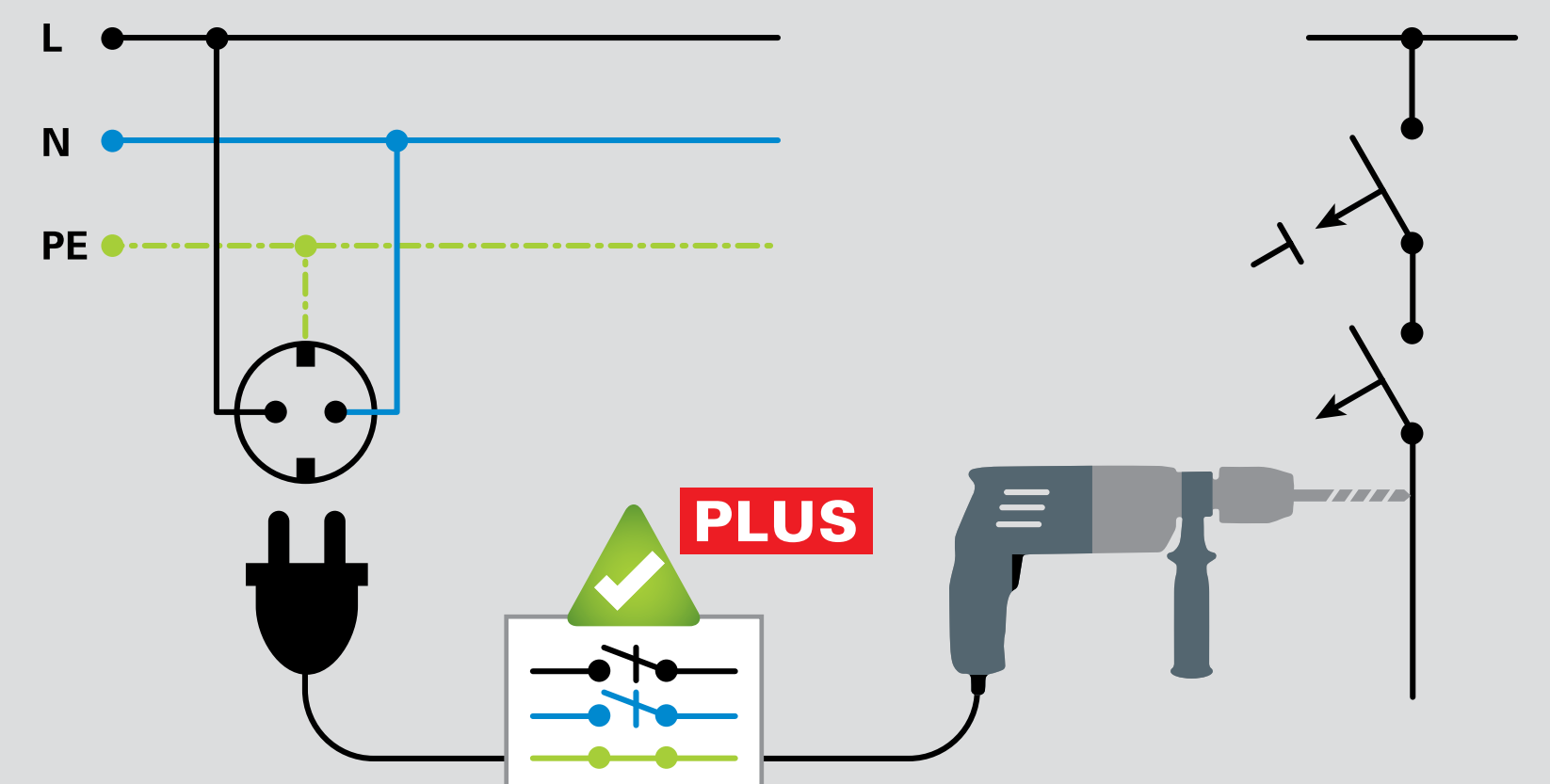
PLUS Switching on is only possible with **bare hand**. Measuring errors caused, for example, by the wearing of a glove when switching on are indicated by the signal unit flashing red. In this case, the PRCD-S+ from PCE gives a visual warning and **does not switch on**.

MAXIMUM
SAFETY

PLUS The PE conductor circuit is switched on in advance and switched off with a delay.

PLUS Failure situations like external voltage on the PE conductor or fault current above rated values cause an **interruption of L and N**. The **PE conductor stays closed** and keeps being monitored !

PLUS Overvoltage will be detected – the PRCD-S+ switches off or cannot be switched on.



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