

PRCD-S+

The crucial **PLUS** in safety!

Connection
to the future

Protection
 Secondary accidents may occur!
 Mortal danger!

RCD (FI)
2-pole

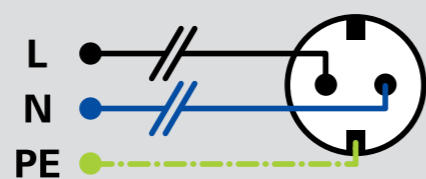
PRCD
2-pole

PRCD
3-pole

PCE PRCD-S+

Installation failure

L or N interrupt



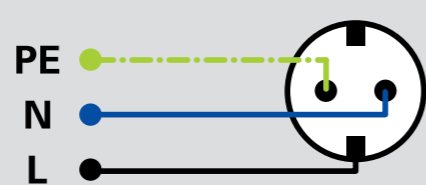
Switch-on not possible - no power supply;
In case of interruption during operation all conductors switch off.

PE recognition



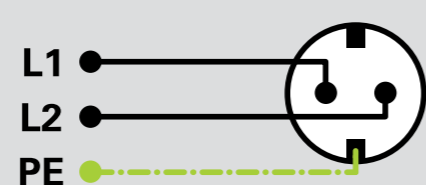
Switch-on not possible;
In case of interruption during operation all conductors switch OFF.

Installation failure



Switch-on not possible.

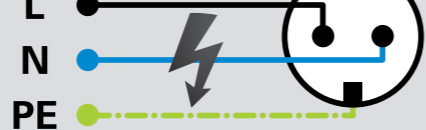
Under- / Over voltage



PLUS Switch-on not possible;

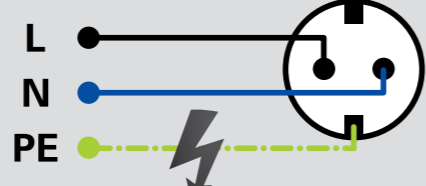
External failure

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 the
PE conductor 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**

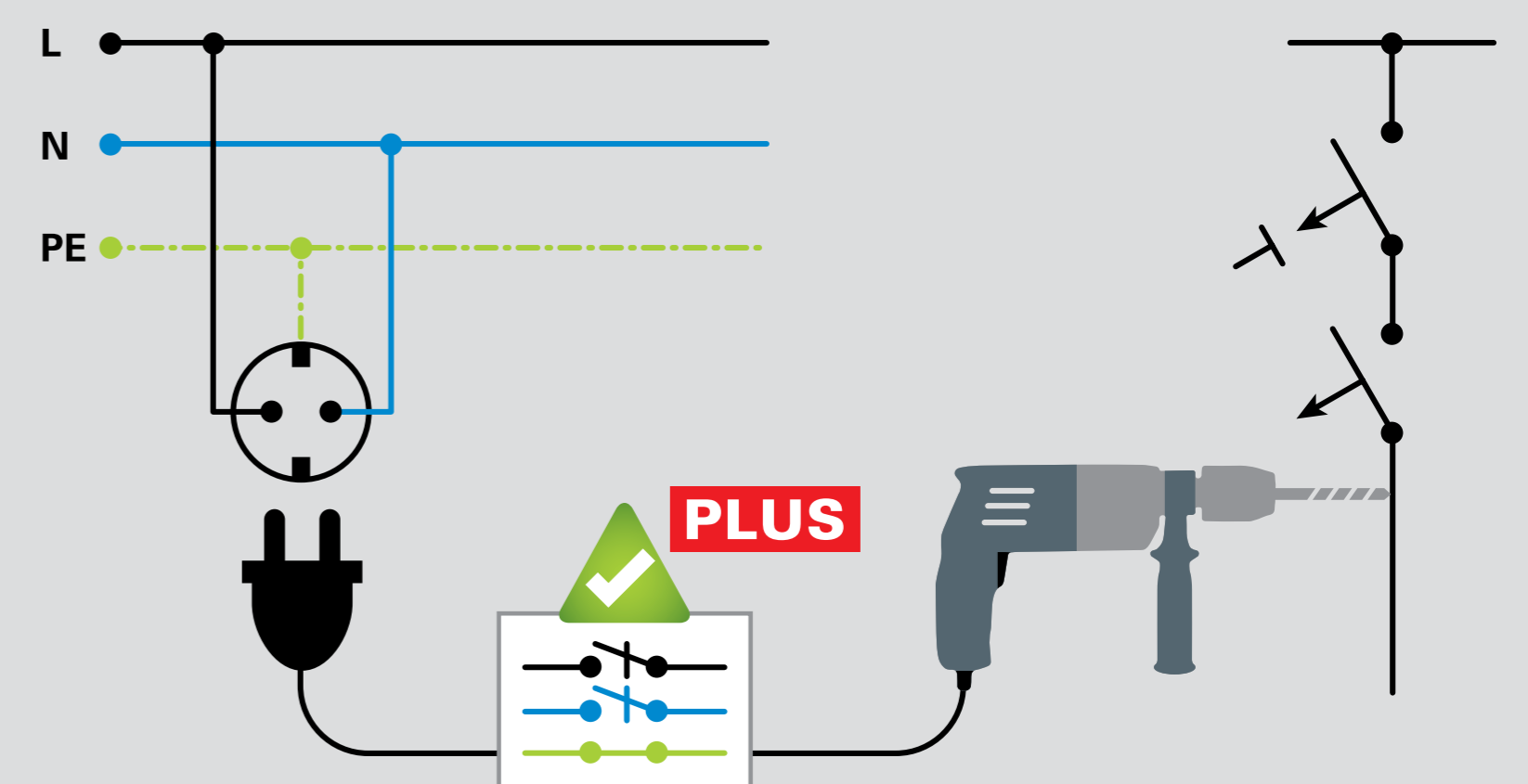
PLUS Switching on is only possible with **bare hand**. Measuring errors caused, for example, by the wearing of a glove when switch-on are indicated by the signal unit flashing red. In this case, the PRCD-S+ from PCE gives a visual warning and **does not switch on**.

**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 The integral surge voltage protection detects 400 VAC and 220 VDC and does not allow these to pass (a weak point occurs).



PC Electric GesmbH

Diesseits 145, A-4973 St. Martin im Innkreis
TEL +43 7751 61220 | office@pcelectric.at

www.prcd-s.info

