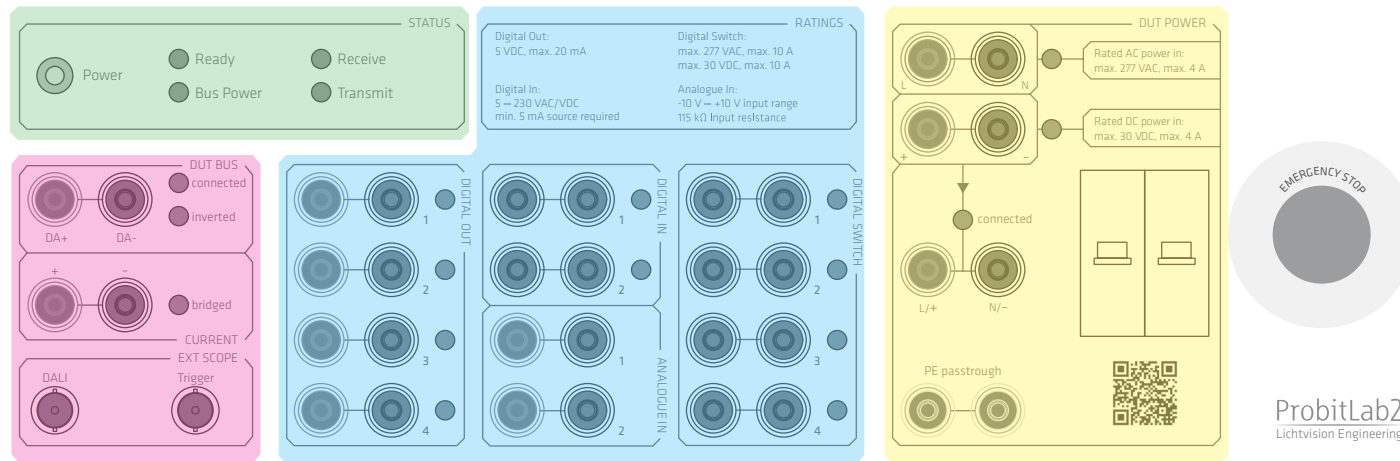


FRONT PANEL

STATUS

Signal lamps for status information.



DALI

ProbitLab2's DALI bus and related measurement connections.

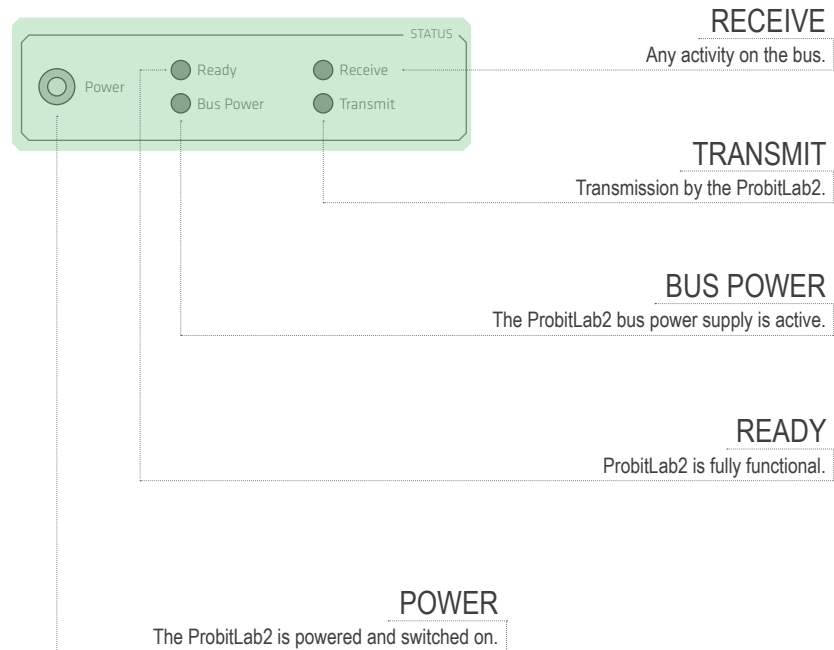
AUTOMATION

These ports can be used to extend the automation of testing. Certain test steps, like 'apply lamp failure' can then be performed by the ProbitLab2. Please keep in mind to assign the particular test instructions to the desired ports.

DUT POWER

For automated switching of DUT's external power supply. Select AC source **L** and **N** or DC source **+** and **-**, then connect one of them to the DUT POWER SUPPLY OUT. The 2 pole CIRCUIT BREAKER and the **EMERGENCY STOP** are connected in series.

FUNCTION GROUP ■ STATUS



FUNCTION GROUP ■ DALI

DUT BUS

ProbitLab2's DALI bus.

Connect **DA+** and **DA-** to the corresponding DUT's terminals.
When signal lamp **connected** is off, the terminals are disconnected from all ProbitLab2 circuits. When signal lamp **inverted** is on, **DA+** and **DA-** are reversed.

CURRENT

Connect an external ammeter to **+** and **-** to measure the bus current.

These terminals are in series with the **DA+** output.

They are **bridged**, if no ammeter is connected,
or when no measurement by software is required.

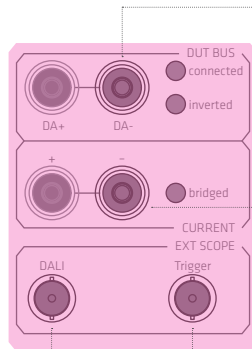
TRIGGER

The **Trigger** port provides a digital signal to trigger
an external oscilloscope's measurement.

DALI

To connect an external oscilloscope.

The **DALI** port provides the same signal as
DA+ and **DA-**, but without invert option.



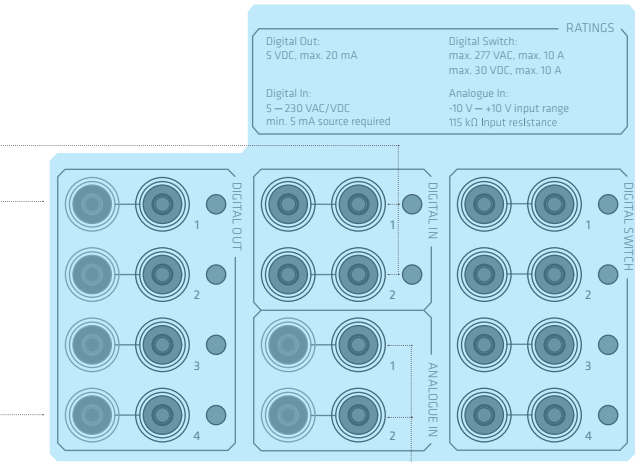
FUNCTION GROUP ■ AUTOMATION

DIGITAL IN

The ports **1** and **2** can detect any signal from 5V to 230V AC or DC with a minimum of 5mA.

DIGITAL OUT

The ports **1** to **4** can provide a digital signal of 5V for e.g. controlling external supplementary circuits.



ANALOGUE IN

The ports **1** and **2** can measure static signals in the range -10V to +10V.

DIGITAL SWITCH

The ports **1** to **4** provide potential-free switching contacts and might be used for automatic disconnecting and reconnecting certain elements of the DUT.

The switches are latching type, so keep in mind, that the most recent position remains after powering down the ProbitLab2.

30 VDC	10.0 A
40 VDC	3.5 A
50 VDC	2.0 A
60 VDC	1.1 A
70 VDC	0.8 A
80 VDC	0.6 A
90 VDC	0.5 A
100 VDC	0.4 A

- Applicable to resistive loads.
- For inductive loads a commutating and/or a flyback diode is required.

FUNCTION GROUP ■ DUT POWER

DUT POWER SUPPLY IN

Depending on DUT's power supply type:

L and **N** for connecting to an external AC power source e.g. mains.

+ and **-** for connecting to an external DC power source e.g. PSU.

The indicator lamp shows the selected supply type.

30 VDC	4.0 A
40 VDC	1.8 A
50 VDC	0.9 A

- Applicable to resistive loads.
- For inductive loads a commutating and/or a flyback diode is required.

DUT POWER SUPPLY OUT

L/+ and **N/-** to be connected to the DUT's power supply terminals.

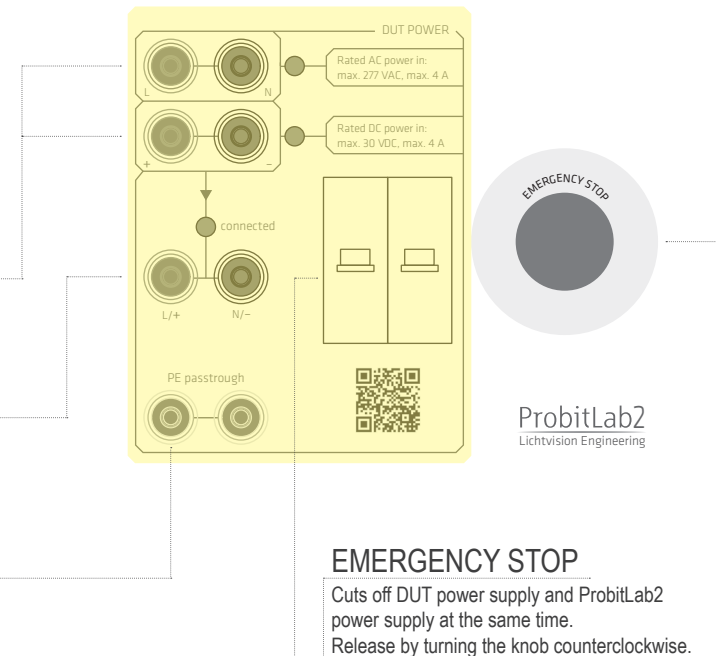
The indicator lamp **connected** shows the supply out status.

PE PASSTHROUGH

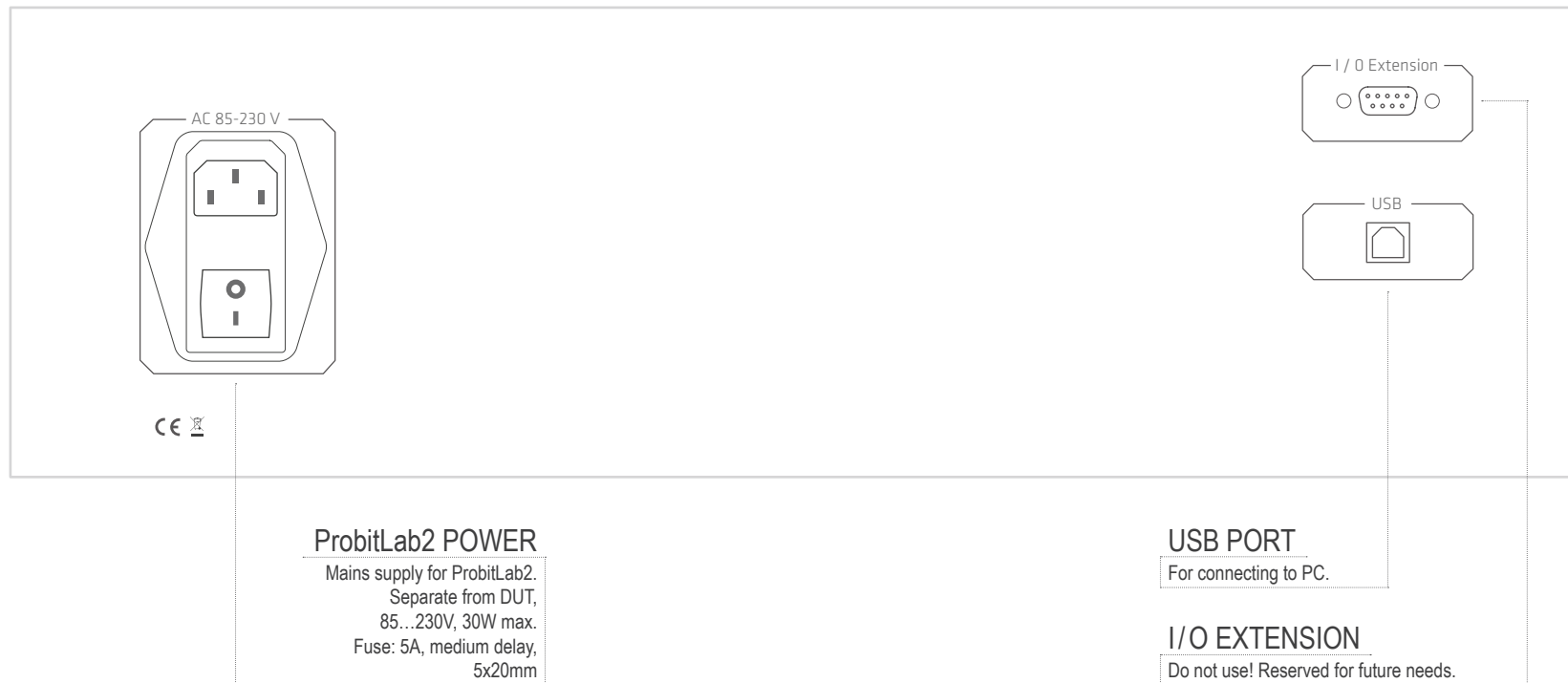
Non-switched, for looping through PE from the power source to the DUT.

CIRCUIT BREAKER

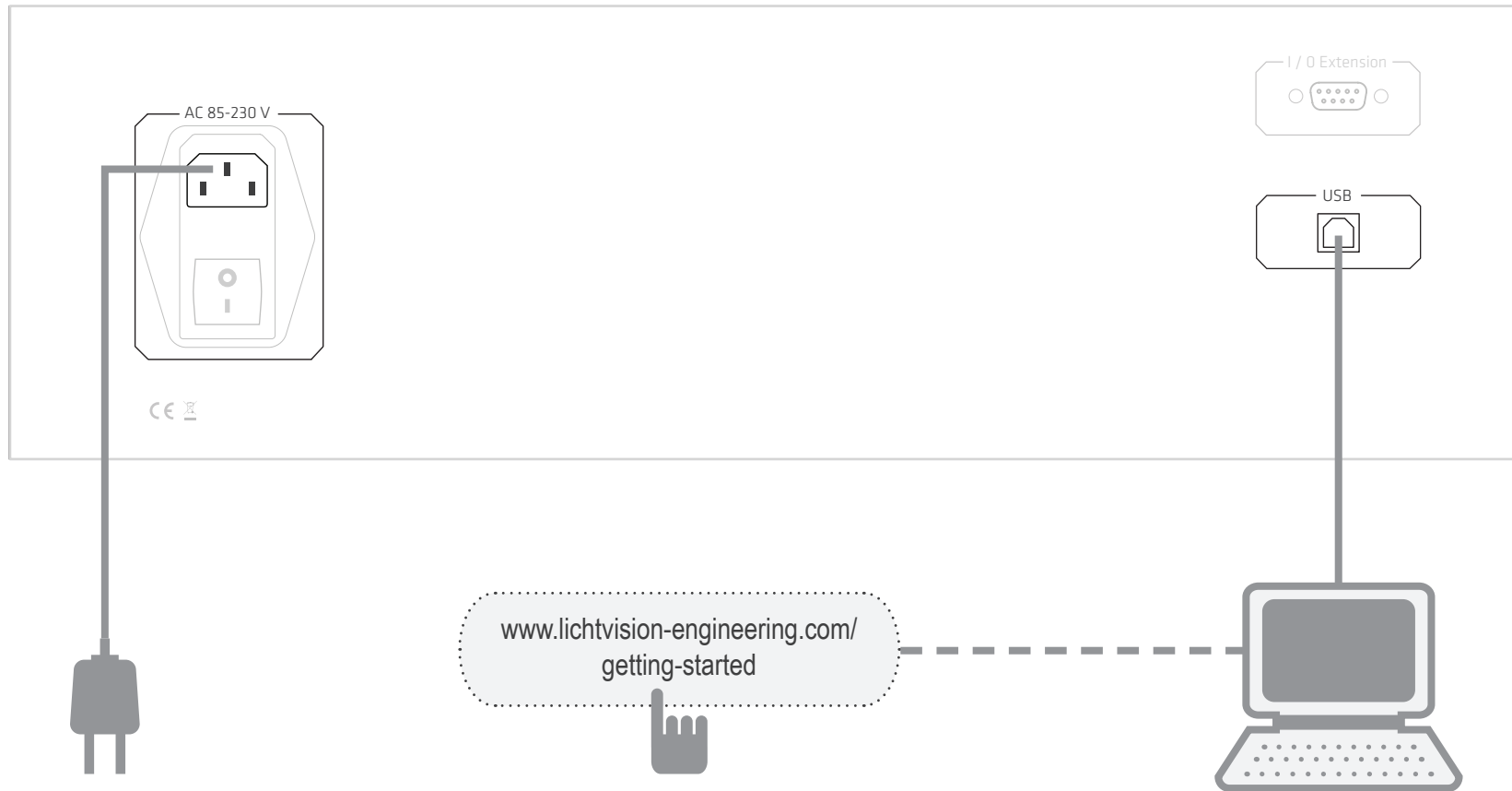
Cuts off both lines **L/+** and **N/-** of DUT power supply.



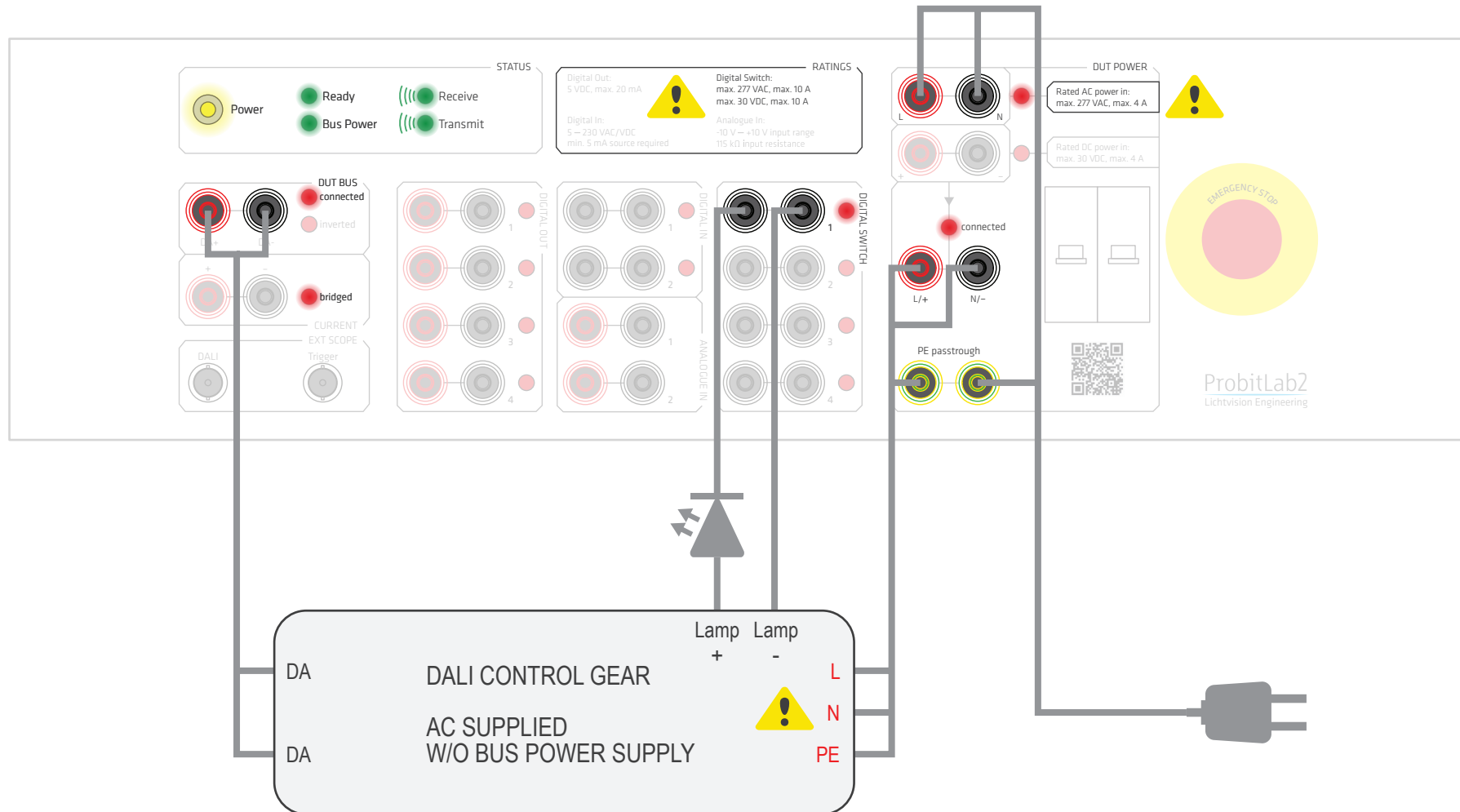
BACK PANEL



GETTING STARTED

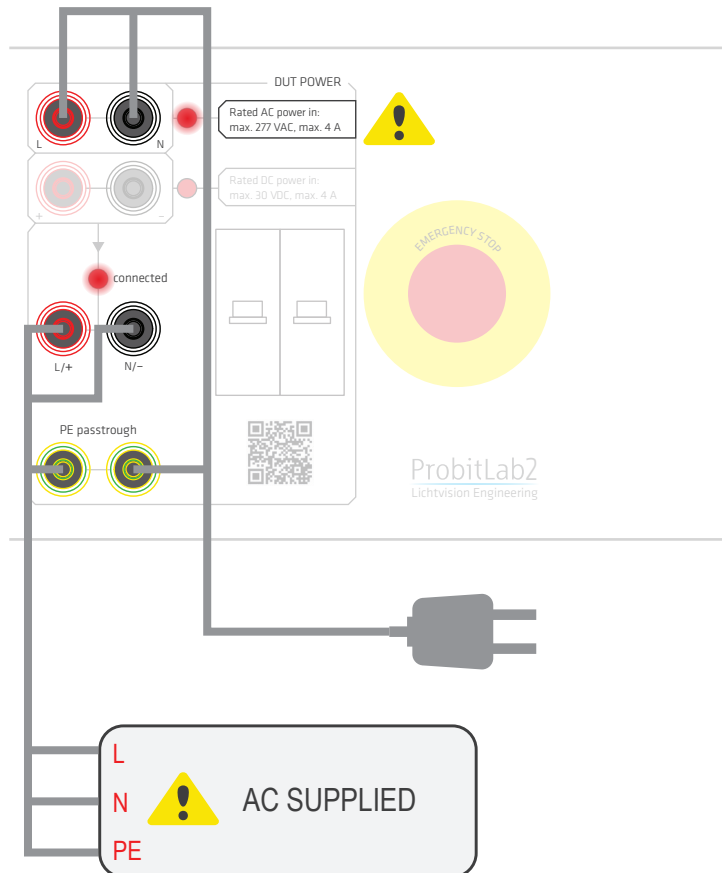


EXAMPLE

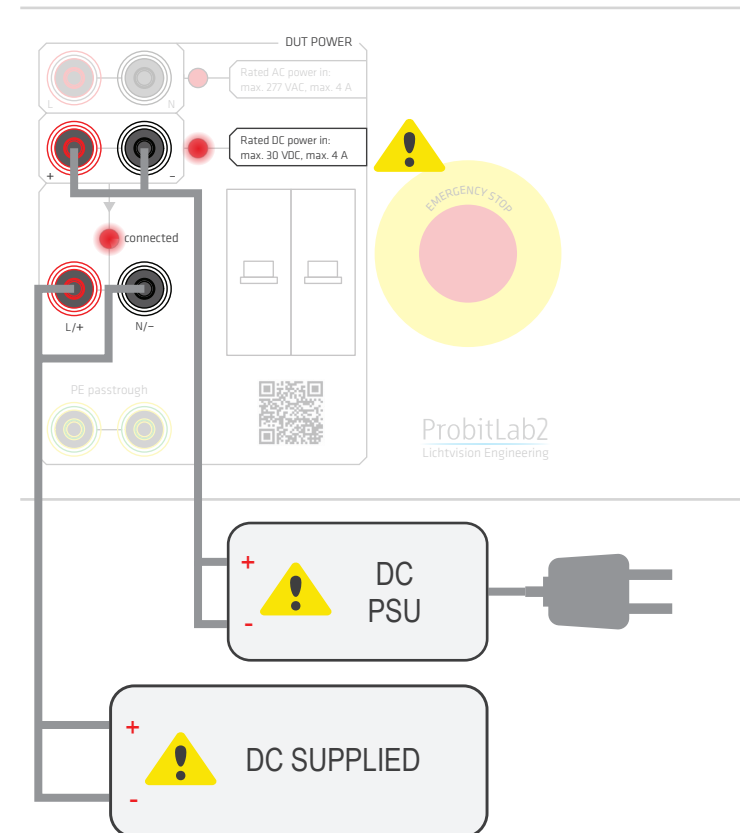


* DUT POWER

AC SUPPLIED



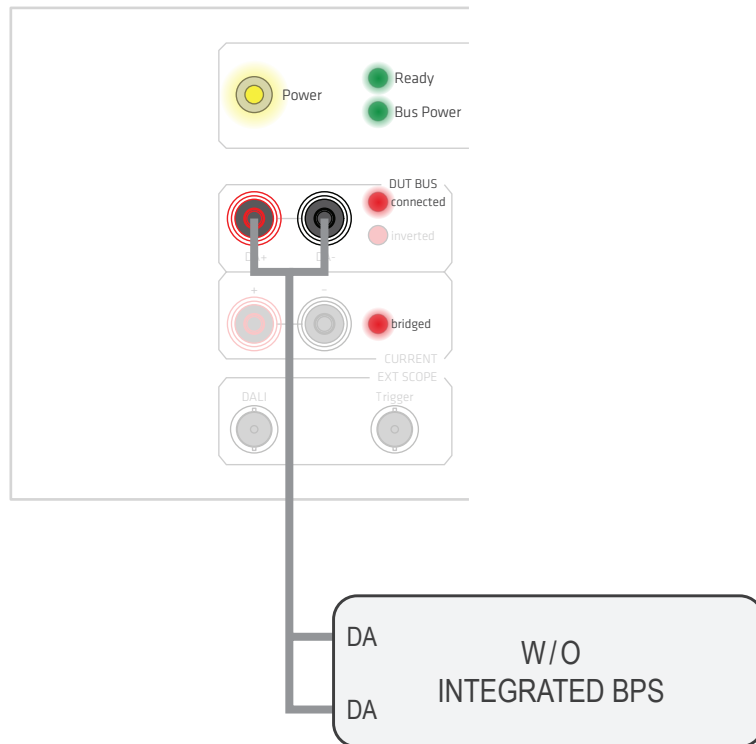
DC SUPPLIED



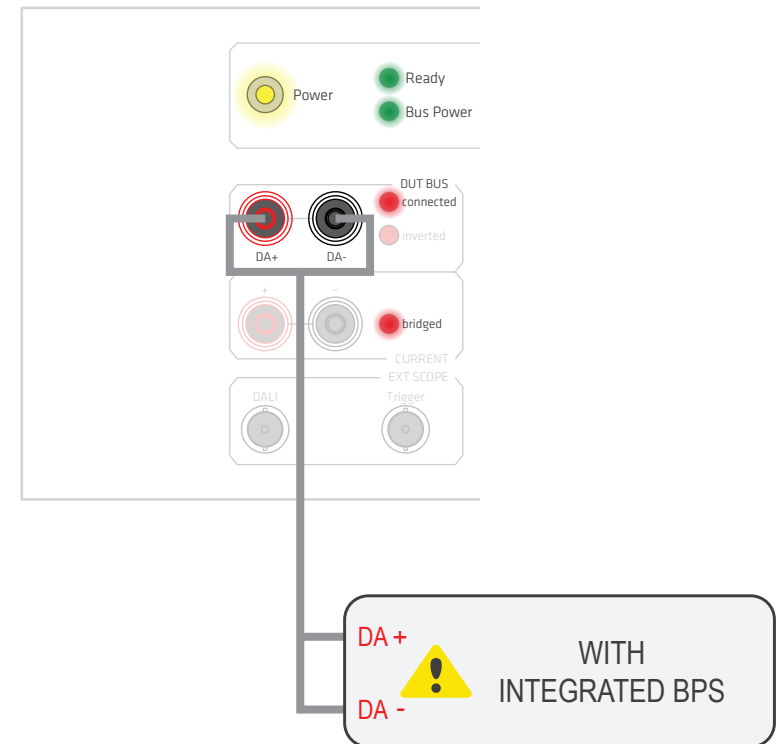
* Refer to: 'DUT POWER SUPPLY' under '2 - Automation testparameters' on the page 'ENABLE THE AUTOMATED OPTIONS IN ProbitBench'

DUT BUS

W/O INTEGRATED BPS

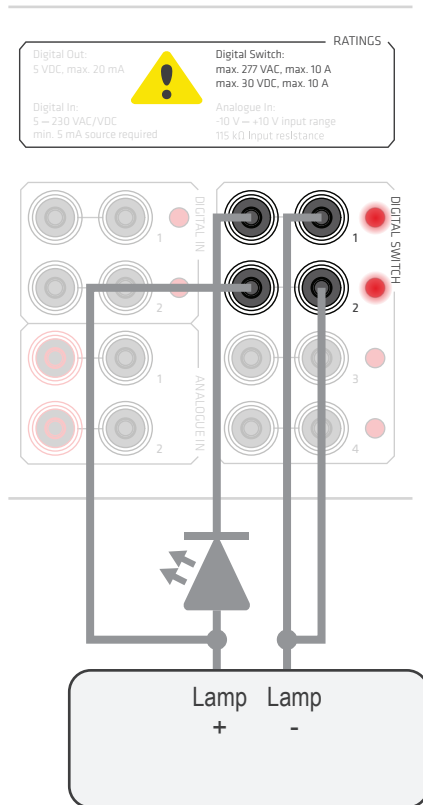


WITH INTEGRATED BPS

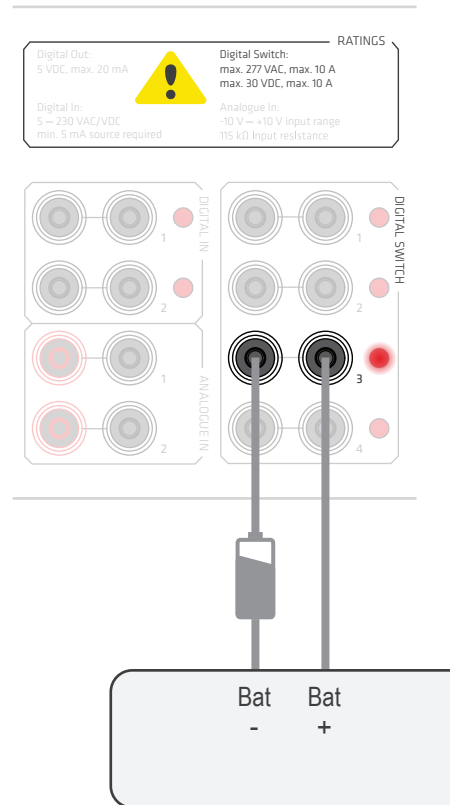


* AUTOMATION OPTIONS

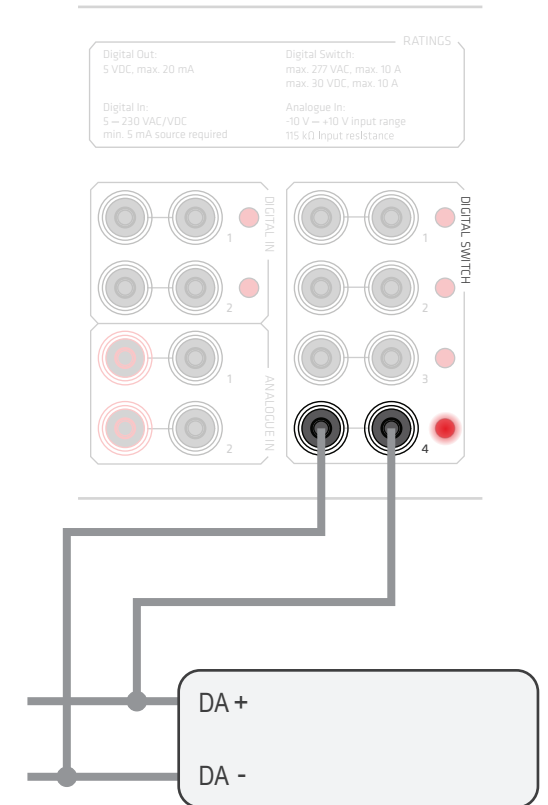
ALL OUTPUTS / LAMPS CONNECT
ALL OUTPUTS / LAMPS SHORT CIRCUIT



BATTERY CONNECT

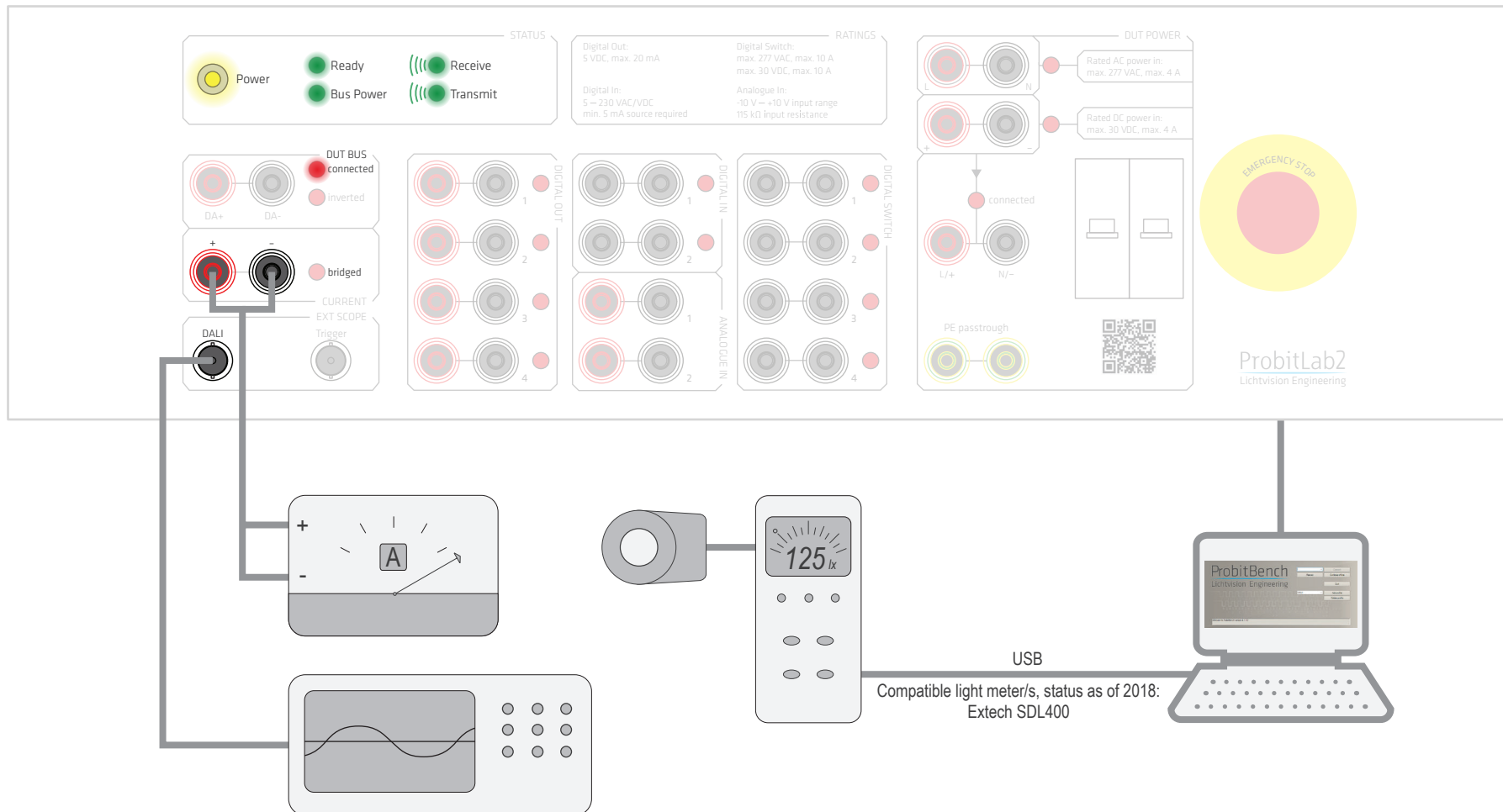


DALI BUS SHORT CIRCUIT



* Refer to: '2 - Automation testparameters' on the page 'ENABLE THE AUTOMATED OPTIONS IN ProbitBench'

AUTOMATED MEASURING



ENABLE THE AUTOMATION OPTIONS IN ProbitBench

