

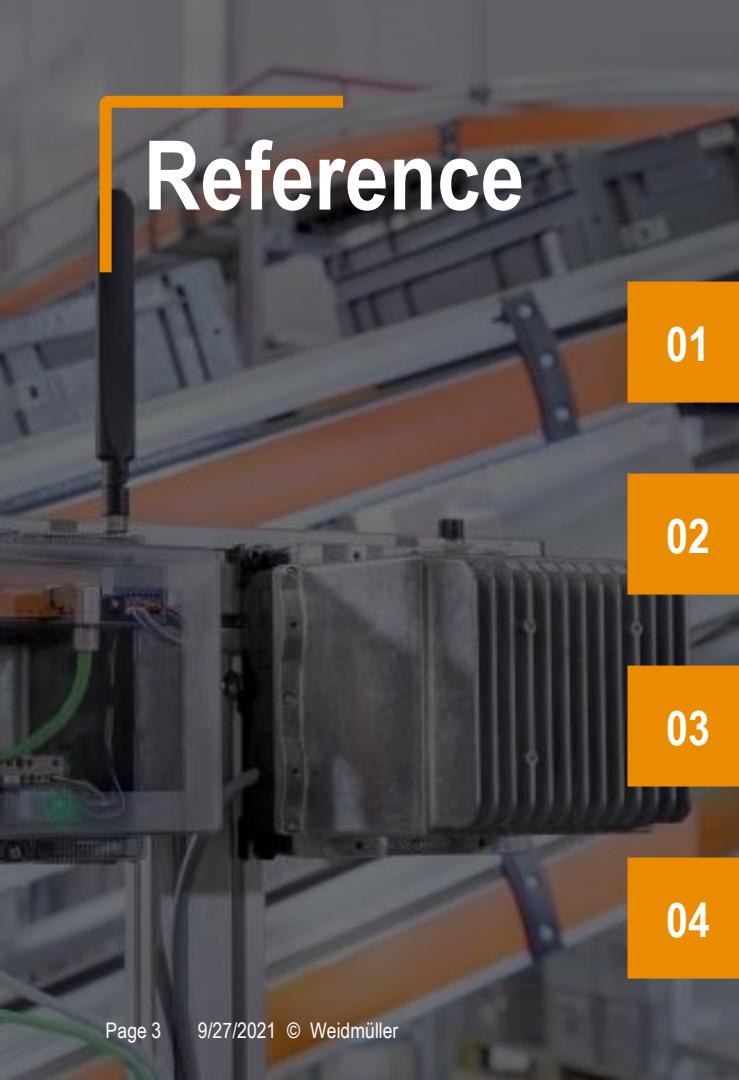


“The stand-alone and compact residual current measurement box eliminates the need to shut down servers.”

PRO-EL Thomas Pöttgen



Reference



01

Customer & application

PRO-EL (DE): residual current measurement box for server rooms

02

Requirements

Ready-to-connect box in increased protection class for residual current monitor with POE connection

03

Weidmüller Solution (products & services)

FieldPower® enclosures, plug-in connectors, cables and engineering

04

Customer benefits

Flexibly adaptable plug&play (retrofit) solution for uninterrupted server operation



Customer & application



PRO-EL advises, plans and assumes electrotechnical responsibility.

<https://www.pro-el.de/beratung-und-planung/>



Shutting down servers for the necessary insulation resistance measurement is costly. PRO-EL wants to offer its customers a permanent differential current measurement in accordance with the new VDE 0105 0100, which is installed e.g. in the false floor of the server rooms and makes shutting down for the measurement unnecessary.



Requirements



Enclosure for residual current monitor

The Doepke residual current monitor must be encapsulated and provided with suitable interfaces. Different cable lengths and cross-sections should be possible.

The exact position of the plug-in points should still be easy to change at the installation site in order to be able to react flexibly to local conditions.

Ready-to-connect solution

The box is to be connected to the control room via POE patch cable and monitor the current of the CEE connection line.

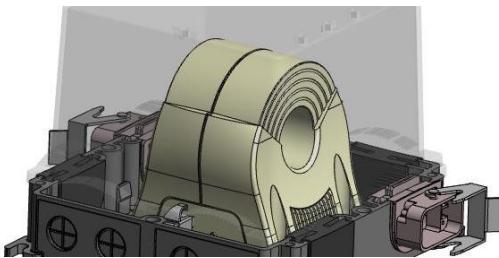
The ready-wired current measurement box is to be available unchanged from the PRO-EL warehouse. External cable lengths and cross-sections are to be adaptable to specific projects.

The internal wiring should be possible in 6mm².

Weidmüller Solution



Consulting & service



- Ad hoc online meeting to clarify the requirements
- CAD-3D concept for the current measurement box
- Parts lists for box and cable sets

Suitable housing



- FieldPower® enclosures provide space for the monitor and are compact enough for the false floor of server rooms
- The position of the plug-in points can be variably changed afterwards

Matching plug-in connectors



- HQ connectors for easy adaptation to customer systems
- POE patch cable in different lengths with angled RJ45 connectors

Customer benefits



- Reduced stock-keeping and fast availability: A standard box from the PRO-EL warehouse is identical for all applications.
- Suitable for different projects: Connectors allow easy adaptation of cable lengths and cross-sections as well as adaptation to customer interfaces.
- Adaptable at the installation site: The connector inserts can be flexibly positioned and changed afterwards.

Interest awakened?

We are happy to answer your questions – in person, quickly and easily

www.weidmueller.com/contact

Further information

[Landing page](#)

[Online catalog](#)



