SCHLEIFENBAUER

YourPDU®
by Schleifenbauer

INTRODUCTION

A reliable partner in PDUs since 2008! Schleifenbauer is the only manufacturer that produces customized power distribution units, starting from one piece. Besides customised PDUs, Schleifenbauer produces alternative variants of all standard PDUs available in the market. Our products are known in the market all over the world under our own Schleifenbauer brand name but also under private label via our OEM partners.

Schleifenbauer sees a PDU as a crucial element in a server room where quality, efficiency and reliability must be the standard. By making no concessions and seamlessly connecting your PDU to the IT infrastructure and the layout of the server rack, you get the most out of your server room, the IT equipment and the PDU. Think of the best security, cable management, comprehensive power management, remotely controllable PDUs and, above all, flexible design choices and compact always-fit PDUs.

By working only with local suppliers, not only is our carbon footprint as small as possible, it also gives us the opportunity to be independent from scarcity in the raw materials market, to be flexible with sourcing alternatives and to organize procurement as efficiently as possible. We build to order with a lead time of up to 4 weeks from order date.

Schleifenbauer's engineers are constantly working to improve our PDUs and develop new advanced features. The need for customized power distribution units is great, Schleifenbauer has now produced more than 100,000 different types of customized PDUs, but of course you can also come to Schleifenbauer for standard PDUs. From simple power strips to the most extensive intelligent power distribution solutions, Schleifenbauer has an answer to everything.

Schleifenbauer offers an extensive choice of different types of outlet sockets, fuses, surge protection, differential current measurement, input cables, plugs and suspension options. Energy can be measured in different ways and outlet sockets can be switched remotely. We offer free management software for this purpose. With an RMA rate <0,5%, Schleifenbauer is the most reliable PDU on the market, every component and the total PDU is individually tested. Thus, never a PDU goes out the door that does not meet our highest quality requirements. We offer short lines of communication with our clients and comprehensive service and support.

NOTES

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1. CABLE/CABLE ENTRY

Your PDU comes with a connecting lead of the correct length and with the correct connector. Furthermore, the cable connection is provided in the place that you need. The cable, which has been specially manufactured for Schleifenbauer, has LSZH specification and is ultra-flexible. It has an oversized diameter which results in lower build-up of heat and lower energy consumption. In addition to the standard connection with a connector, there is also the option of a terminal connection.

SPECIFICATIONS:

CABLE

- Length can be adapted
- Choice of connector type IEC320 C14 & C20 connector which can be supplied with an optional lock
- Low Smoke Zero Halogen (LSZH)
- Oversized diameter
- Optional terminal connection

CABLE CONNECTION

- Choose where cable entry is located
  - top
  - base
  - front
  - rear

CONNECTORS:

Options

01. CEE 7/4 (Schuko)
CEE 7/5 (UTE)
02. IEC320 C14
03. IEC320 C20
04. IEC60309 1 phase (IP44/IP67)
05. IEC60309 3 phase (IP44/IP67)
06. BS 1363
07. GST 3/18
8. T13
9. T23
10. Cable connection
11. Phoenix QPD connection

CONNECTIONS:

2. FUSES/SURGE PROTECTION

Nowadays, it is unthinkable to have a datacentre without the highest possible safety protection. It is even a legal requirement to use fuses in certain situations.
You can employ fuses in YourPDU® according to your requirements and the infrastructure. This guarantees continuity and reduces the chance of a power outage.

Options

01. Glass cartridge fuse holder
02. Thermal fuse
03. Miniature Circuit Breaker (MCB)
04. Surge Protection

SPECIFICATIONS:

FUSES

- Unrestricted choice of the type of fuse, including:
  - Miniature circuit breaker (MCB)
  - Thermal fuse
  - Glass cartridge fuse holder
  - PASCO cartridge holder

SURGE PROTECTION

- Protects PDU against surges
- Hot swap
- Can be replaced by a data centre engineer

3. HOUSING

The housing of your PDU is made entirely from aluminium, due to its good thermal properties and so as to keep the weight low. You can determine the length and orientation (horizontal or vertical). Our aluminium housing can be supplied in various colours and is provided with custom engraving.

SPECIFICATIONS:

- Material:
  1.5 mm anodised aluminium
- Dimensions:
  - Lengte: can be adapted
  - Width: 65 mm
  - Depth: 52,6 mm
- Adaptable orientation

- Colours:
  Black
  Green
  Orange
  Blue
  Red
  Yellow
- Custom engraving

Options

*01. Black**
*02. Green**
*03. Orange**
*04. Blue**
*05. Red**
*06. Yellow**
07. Custom engraving

** The colours shown are for illustration purposes. Actual colours may vary.*

4. OUTPUTS

You can fit your PDU with various outputs and types of outputs. You configure both the number and type of outputs. For example, IEC C13, IEC C19 ad CEE 7/ (Schuko). You can specify the order in which you want the outputs to be arranged. IEC C13 and IEC C19 connectors are available optionally with a lock.

SPECIFICATIONS:

Various types of outputs:

- IEC320 C13
- IEC320 C13 IEC-lock
- IEC320 C19
- IEC320 C19 IEC-lock
- CEE 7/3 (Schuko)
- CEE 7/5 (UTE)
- IEC60309 1 phase (IP44/IP67)
- IEC60309 3 phase (IP44/IP67)
- BS 1363
- GST 18/3
- T13
- T23

Options

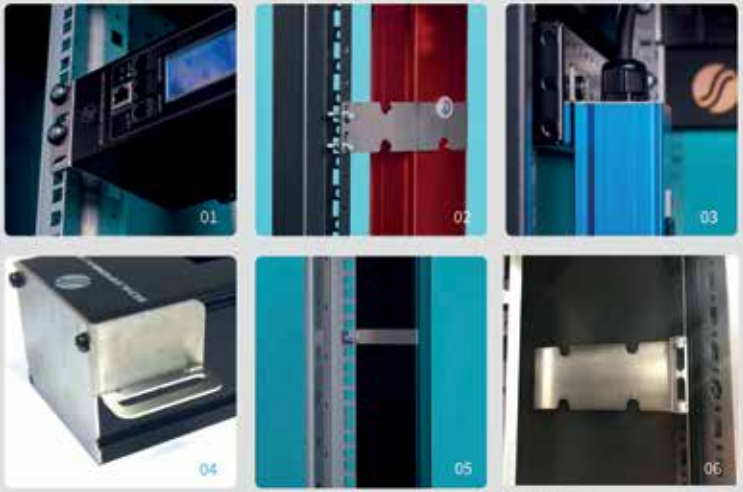
01. IEC320 C13
02. IEC320 C13 IEC-lock
03. IEC320 C19
04. IEC320 C19 IEC-lock
5. CEE 7/3 (Schuko)
6. CEE 7/5 (UTE)
7. IEC60309 1 phase (IP44/IP67)
8. IEC60309 3 phase (IP44/IP67)
09. BS 1363
10. GST 18/3
11. T13
12. T23

5. MOUNTING

In order to correctly install a PDU in a server rack, you need specific expertise. Schleifenbauer has expertise in house and offers mounting options for every type of server cabinet, whatever the type or manufacturer, using mounting brackets or even "toolless" mounting. What is your ideal mounting? If a standard mounting solution is not available, we can provide you with a custom solution!

SPECIFICATIONS:

- Independent of server rack manufacturer
- Independent of type of server rack
- "Toolless mount" option
- Option for custom mounting



Options

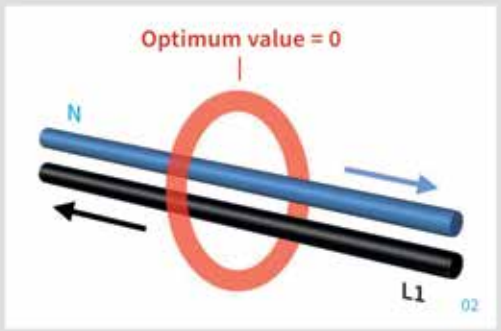
1. *Horizontal 19 inches*
2. *Toolless mount*
3. *Table mount*
4. *Recessed*
5. *Profile clamps*
6. *Toolless mount 90 degree angle*

6. RESIDUAL CURRENT MONITORING

The residual current monitoring meter developed by Schleifenbauer enables you to easily localise leakage flows at circuit level.
In various European countries, residual current monitoring can be used to meet statutory safety requirements.

SPECIFICATIONS:

- Class B measurement (measurement of AC and DC components)
- Auto-test
- Single and three-phase application



01. Residual Current Sensor
02. Schematic diagram of residual current monitoring

7. MEASUREMENT

The measurement readings on your PDU provide insights into energy flows and enable you to manage these. You can read measurements locally or at a distance (remote). Naturally, you can also choose a PDU without measurement reading (basic).

SELECT YOUR CONFIGURATION:

Select your configuration:

a. No measurement reading (basic)
b. Measurement at a distance (remote)
   Current in A
   Power in W and VA
   Energy in kWh
   Voltage in V Power factor

MANAGE YOUR PDU REMOTELY

- **Web interface**

  Our web interface SPST is intuitive and can be downloaded for free. It clearly shows all information and PDU settings can be easily changed.

- **Your data is comprehensive and clear**

  Your PDU data is integrated into your environment using open standards. Communication via various protocols such as SNMP (v1, v2c and v3), Modbus and API.

  Our applications are developed in well-known DCIM platforms such as PerfIT, Schneider InfraStruxure Manager, Sunbird DCIM and iTRACS®.

8. DISPLAY

If you choose remote measurement, the LCD display with LED backlight will provide you with all of the most important information. For instance, measurements status and configuration.
The information is displayed horizontally or vertically, depending on your configurations. If a threshold value you have set is exceeded, this will be indicated on the display with an alert.

SPECIFICATIONS:

- LCD-backlight
- Horizontal/vertical display

9. OUTPUTS (DATA)

Switched PDU. The intelligence in YourPDU® does not need to be limited to complete measurement. You can choose to individually measure the outputs or to activate/deactivate them. You can also combine both options.

SPECIFICATIONS:

- Energy measurement
  - Total PDU
  - Groups
  - Individual outputs
- Individual outputs switchable at a distance – bi-stable relays are used for this.

10. SENSORS

Your PDU can be fitted optionally with external sensors. Schleifenbauer supplies a combined temperature/humidity sensor. It is also possible to add further sensors such as a water leak sensor based on binary input for potential-free contact.

Temperature/humidity sensor

SPECIFICATIONS:

- Temperature measurement
- Humidity measurement
- Dry switch contact
  (based on binary input for potential-free contact)

TECHNICAL INFORMATION:

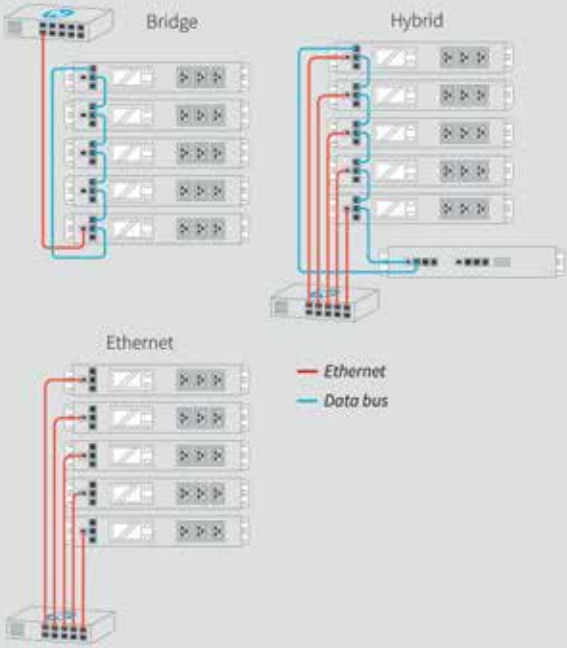
SPECIFICATIONS:

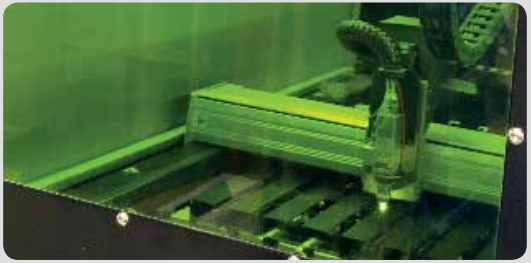
• Profile dimensions
BxD 65 mm x 52.5 mm, adaptable length, anodised aluminium with stainless steel side plates
• Profile colours
Black, green, orange, blue, red, yellow
• Power input 230/400 VAC single phase or three phase 16A/32A/63A
• Mains lead
Single phase 16 A: 3G2.5, three phase 16A: 5G2.5, single phase 32A: 3G2.5, three phase 32A: 5G6 Low Smoke Zero Halogen (LSZH)
• Local measurement
True RMS power (A) LCD display (3 digits)
• Remote measurement
Energy total (kWh) no-resettable, sub-total (kWh) can be reset by user
True RMS current (A) with peak registration. Peak duration can be defined
Voltage (V) with dip registration or apparent power (VA), real power (W), power factor (%)
Accuracy <1% (IEC 50470:3 Class C)

• Display
LCD Backlight, 360-degree reading, tiltable
• Data bus
2 x RJ45 data bus connectors RS-485
• Ethernet
RJ 45 screened connector
TCP/IP 10/100 Mb, DHCP with fall-back static IP, SNMP, Modbus, API
• Sensor port
Digital temperature/relative humidity sensor and/or dry contact based on binary input for potential-free contact
• Energy consumption
Electronic components: < 3 W
• Environment
Ambient temperature: 0°C - 60°C
• Plug
CEE 7/4 (Schuko), CEE 7/5 (UTE), IEC320 C14, IEC320 C20, IEC60309 1 phase (IP44/IP67), IEC60309 3 phase (IP44/IP67), BS 1363, GST 3/18, T13, T23

• Outputs
IEC320 C13, IEC320 C13 IEC lock, IEC320 C19, IEC320 C19 IEC lock, CEE 7/3 (Schuko), CEE 7/5 (UTE), IEC60309 1 phase (IP44/IP67), IEC60309 3 phase (IP44/IP67), BS 1363, GST 18/3, T13, T23
• Fuses
Miniature circuit breaker (MCB), thermal fuse, glass cartridge fuse holder, PASCO cartridge holder
• Surge protection
Manufacturer: Dehn.
Exchangeable module (Hot Swap)
• Certificates
CE
ROHS2
EN-60950
EN-61000

EXAMPLES OF CONNECTIVITY:





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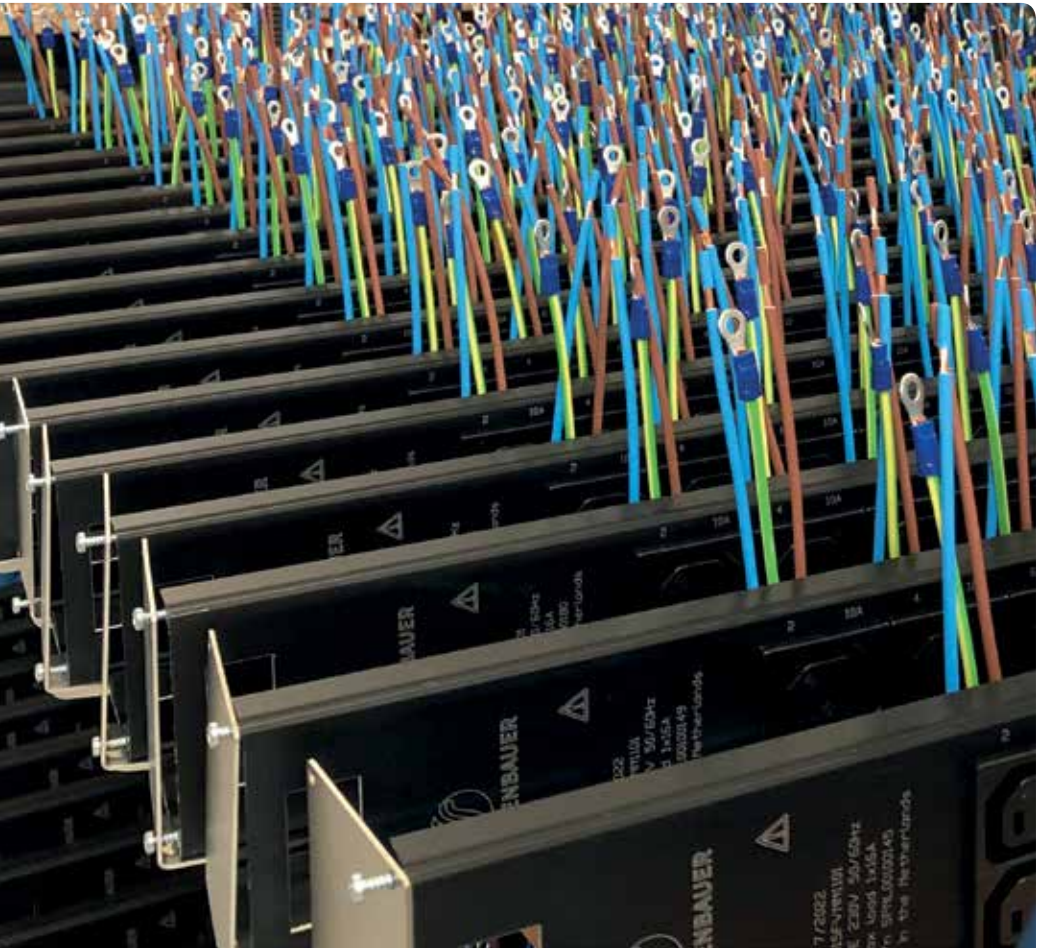

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