# **Expert Power Control 8221-1**



















## 12-fold switched PDU with integrated current metering and monitoring



- > 2 independent banks of 6 load outlets
- ▶ Energy metering per bank
- ▶ IPv6, SSL und SNMPv3

- ▶ Total switching power: 7500 W
- ▶ Integrated overvoltage protection

#### **Features**

- 12 Power Ports individually switchable directly on the device, via HTTPS, SNMP, command line tool and RS232 serial interface
- Status and Power-up delay (0...9999 seconds) adjustable individually for each Power Port after power blackout
- Latency time of 1 second prevents simultaneous power-up of multiple Power Ports
- Paired switching of outlets possible, e.g. output 1 of bank 1 simultaneously with output 1 of bank 2
- Programmable turn-on/turn-off sequence
- 2 energy meters per bank, one meter continously, the other resettable
- Metering of energy, current, power factor, phase angle, frequency, voltage and active / apparent / reactive power
- A clearly visible LED display per bank for total current, IP address, sensor data and error reports
- 12-channel watchdog, an individual watchdog (ICMP/TCP) can be assigned for each Power Port
- 2 independent power inputs of 230 V for the same or different phases
- Integrated overvoltage protection prevents damage of device and of connected consumers (L-N 10 kA), status retrievable over network
- 2 interfaces for optional sensors for environmental monitoring (temperature and humidity)
- Firmware update via Ethernet during operation
- Comfortable configuration by web browser, Windows or Linux tool
- Access control via IP Access Control List

- IPv6-ready
- HTTP/HTTPS, e-mail (SSL, STARTTLS), DHCP, Syslog
- SNMPv1, v2c, v3 (Get/Traps)
- TLS 1.0, 1.1, 1.2
- Secure Login over SSL
- Android and iOS app Gude control allows access from anywhere
- Low internal power consumption
- Developed and manufactured in Germany

### **Electrical Connections**

- 2 Power supplies (IEC C20, max. 16 A, 230 V)
- 2 x 6 Power Ports (IEC C13, max. 10 A)
- Ethernet connector RJ45 (10/100 Mbit/s)
- Serial interface RS232 (Sub-D 9-pin)
- 2 RJ45 interfaces for optional sensors

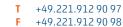
### **Technical Details**

- Dimensions: 19 inch, 1 rack unit
- LxHxD: 43.9 x 4.4 x 19.5 cm (without brackets)
- Weight: ca. 2.9 kg
- Operating temperature: 0-50 °C
- Storage temperature: -20 70 °C
- Relative humidity: 0 95 % (non-condensing environment)

| Order code | Product                     | Feature   | Operating Voltage | Maximum Current |
|------------|-----------------------------|---|-------------------|-----------------|
| 8221-1     | Expert Power Control 8221-1 | Energy metering per bank                                      | 230 V             | 2 x 16 A        |
| 7101       | Temperature Sensor 7101     | -20°C to +80°C  |                   |                 |
| 7102       | Temp./Humidity Sensor 7102  | -20°C to +80°C / 0-90% humidity                               |                   |                 |
| 7201       | Temperature Sensor 7201     | Box case with RJ45 socket, -20°C to +80°C                     |                   |                 |
| 7202       | Temp./Humidity Sensor 7202  | Box case with RJ45 socket, -20°C to<br>+80°C / 0-90% humidity |                   |                 |
| 0807       | Cable Holder 0807           | 13 fixation bridges for load cables                           |                   |                 |







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