

# Expert PDU Energy 8341 Series



Inline Meter with hotswap drawer and integrated current metering and monitoring for 4 single-phase mains

- IPv6
- HTTPS
- SSL
- SNMPv3
- Telnet
- Modbus TCP



**Expert PDU Energy 8341:** Integrated hotswap drawer allows replacing the processor unit without interruption

## Features

- Hotswap drawer allows replacement of processor/power supply unit at uninterrupted power supply of connected loads
- Metering of 4 separate phases
- For each metering of energy, current, power factor, phase angle, frequency, voltage and active/apparent/reactive power
- Metering of residual current type A per phase (**8341-2**)
- 2 energy meters per phase, one meter continuously, the other resettable
- Clearly visible LED display for total current per phase and phase status
- 2 interfaces for optional sensors for environmental monitoring (temperature, humidity and air pressure)
- Comfortable configuration by web browser, Windows or Linux tool
- Firmware update via Ethernet during operation
- IPv6-ready
- HTTP/HTTPS, E-Mail (SSL, STARTTLS), DHCP, Syslog
- SNMPv1, v2c, v3 (Get/Traps)
- TLS 1.0, 1.1, 1.2
- Radius and Modbus TCP protocol supported
- Configuration and control via Telnet
- Adjustable brackets allow different mounting depths
- Low internal power consumption
- Developed and manufactured in Germany

## Electrical Connections

- Power supply 4 x IEC C20, max. 16 A
- Load outlet 4 x IEC C19, max. 16 A
- Ethernet connector RJ45 (10/100 Mbit/s)
- Power supply IEC C14 for separate supply of electronic
- 2 sensor interfaces (RJ45) for optional sensors

## Technical Details

- 19 inch, 1 rack unit
- Dimensions of device: LxHxD: 43.4 x 4.4 x 21.4 cm (without brackets)
- Dimensions of drawer: LxHxD: 21.7 x 3.3 x 10.9 cm (without handles)
- Weight including drawer: ca. 2.9 kg
- Operating temperature: 0-50 °C
- Storage temperature: -20 - 70 °C
- Relative humidity: 0 - 95 % (non-condensing environment)

### Highlights at a glance

- ▶ Enhanced failure safety due to hotswap drawer
- ▶ Energy metering per phase
- ▶ Residual current monitor (**8341-2**)
- ▶ IPv6, SSL, SNMPv3, Telnet



Power connectors on rear panel of **Expert PDU Energy 8341**

Order Code	Product	Feature	Max. Current
8341-1	Expert PDU Energy 8341-1	4 phases IEC C20, 4 load outlets IEC C19, hotswap drawer	4 x 16 A
8341-2	Expert PDU Energy 8341-2	4 phases IEC C20, 4 load outlets IEC C19, hotswap drawer, residual current monitoring type A	4 x 16 A
7101	Temperature Sensor 7101	Cable sensor with splash-proof sensor head (IP64), RJ45 connector, -20°C to +80°C, cable ca. 2.3 m	
7104 *	Temperature Sensor 7104	Cable sensor, RJ45 connector, -20°C to +80°C, cable ca. 2.3 m	
7105 *	Temp., Humidity Sensor 7105	Cable sensor, RJ45 connector, -20°C to +80°C, 0-90% humidity, cable ca. 2.3 m	
7106 *	Temp., Humidity, Air pressure Sensor 7106	Cable sensor, RJ45 connector, 20°C to +80°C, 0-90% humidity, 300-1100 hPa, cable ca. 2.3 m	
* Sensors also available with calibrated temperature range: 7104-2, 7105-2, 7106-2			
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 +80°C, 0-90% humidity	



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