

Expert PDU Energy 8311 Series



Metered PDU with 7, 8 or 20 outlets with integrated current metering and monitoring



Expert PDU Energy 8311-2
7 load outlets safety socket CEE 7/3



Expert PDU Energy 8311-16
4 load outlets IEC C19 and 16 IEC C13

Features

- 7, 8 or 20 load outlets on front panel
- Metering of energy, current, power factor, phase angle, frequency, voltage and active / apparent / reactive power
- 2 energy meters per phase, one meter continuously, the other resettable
- Residual current metering type A (**8311-2, -4, -16**)
- Illuminated two-line LCD display
- Interface for optional sensors for environmental monitoring (temperature, humidity and air pressure)
- Easy 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
- Low internal power consumption
- Developed and manufactured in Germany

Electrical Connections

- Power supply safety socket CEE 7/4, max. 16 A
- Load outlets:
7 x safety socket CEE 7/3 (**8311-2**)
8 x IEC C13 (**8311-4**)
4 x IEC C19 and 16 x IEC C13 (**8311-16**)
- Ethernet connector RJ45 (10/100 Mbit/s)
- Sensor interface (RJ45) for optional sensor

Technical Details

- 19 inch, 1 rack unit
- LxHxD (without brackets):
43.5 x 4.5 x 4.5 cm (**8311-2, -4**),
95 x 4.5 x 4.5 cm (**8311-16**)
- Weight: 1.1 kg (**8311-2, -4**), 1.7 kg (**8311-16**)
- Operating temperature: 0-50 °C
- Storage temperature: -20 - 70 °C
- Relative humidity: 0 - 95 %
(non-condensing environment)

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

Order Code	Product	Feature	Operating Voltage	Max. Current
8311-2	Expert PDU Energy 8311-2	Energy metering, 7x safety socket, residual current metering type A	230 V	16 A
8311-4	Expert PDU Energy 8311-4	Energy metering, 8x IEC C13, residual current metering type A	230 V	16 A
8311-16	Expert PDU Energy 8311-16	Energy metering, 4x IEC C19, 16 x IEC C13, residual current metering type A	230 V	16 A
7205	Temp., Humidity Sensor 7205	Plug-n-play sensor, RJ45 connector, -20°C to +80°C, 0-90% humidity		
7206	Temp., Humidity, Air pressure Sensor 7206	Plug-n-play sensor, RJ45 connector, -20°C to +80°C, 0-90% humidity, 300-1100 hPa		
7209	Temp., Humidity, Signal Sensor 7209	Plug-n-play sensor, RJ45 connector, -20°C to +80°C, 0-90% humidity, 2 passive signal inputs		
0804	IEC Extension Cable 0804	Extension cable for IEC C13 to C14, length: 3 m		
0871	Desk/Wall Bracket 0871	Accessories for mounting a 19-inch device under a tabletop or on a wall		