

Expert PDU Energy 8311 Series



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



Expert PDU Energy 8311-1
7 load outlets safety socket CEE 7/3



Expert PDU Energy 8311-15
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 (**8311-1, -2**)
8 x IEC C13 (**8311-3, -4**)
4 x IEC C19 and 16 x IEC C13 (**8311-15, -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 (**8311-1, -2, -3, -4**),
95 x 4.5 x 4.5 cm (**8311-15, -16**)
- Weight: 1.1 kg (**8311-1, -2, -3, -4**), 1.7 kg (**8311-15, -16**)
- Operating temperature: 0-50 °C
- Storage temperature: -20 - 70 °C
- Relative humidity: 0 - 95 %
(non-condensing environment)

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

Order Code	Product	Feature	Operating Voltage	Max. Current
8311-1	Expert PDU Energy 8311-1	Energy metering, 7x safety socket	230 V	16 A
8311-2	Expert PDU Energy 8311-2	Energy metering, 7x safety socket, residual current metering type A	230 V	16 A
8311-3	Expert PDU Energy 8311-3	Energy metering, 8x IEC C13	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
8311-15	Expert PDU Energy 8311-15	Energy metering, 4x IEC C19, 16 x IEC C13	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
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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