Switched & Metered Power Distribution Units

Expert Power Control 8314 / 8316 Series

8-fold switched PDU with energy metering (unit or oulet-metered)



Features

- 8 Power Ports individually switchable directly on the device, via HTTPS, SNMP, SSH or command line tool and RS232 serial interface
- Status and Power-up delay (0...9999 seconds) adjustable individually for each Power Port after power blackout
- Start-up peaks through simultaneous port switching prevented by latency time of 1 second
- Programmable turn-on/turn-of sequence
- 8314: 2 energy meters: one meter continuously, the other resettable (metering on input side)
- 8316: 2 energy meters per power outlet, one meter continuously, the other resettable (metering per port)
- Metering of energy, current, power factor, phase angle, frequency, voltage and active / apparent / reactive power
- Clearly visible LED display for total current, IP address, sensor data and error reports
- 8-channel watchdog, an individual watchdog (ICMP/TCP) can be assigned for each Power Port
- 2 interfaces for optional sensors for environmental monitoring (temperature, humidity and air pressure)
- Event-based port switching possible by set sensor thresholds
- Comfortable configuration by web browser, Windows or Linux tool
- Firmware update via Ethernet during operation
- IPv6-ready
- HTTP/HTTPS, SSH, e-mail (SSL, STARTTLS), DHCP, Syslog
- SNMPv1, v2c, v3 (Get/Traps)
- TLS 1.0, 1.1, 1.2, 1.3
- Radius, Modbus TCP and MQTT (3.1.1) supported
- Configuration and control over Telnet
- Access control via IP Access Control List
- Android and iOS app *Gude Control* allows access from anywhere
- Low power consumption
- Developed and manufactured in Germany

Electrical Connections

- Power supply IEC C20, max. 16 A
- 8 Power Ports safety socket CEE 7/3, max. 16 A or IEC C13, max. 10 A
- Ethernet connector RJ45 (10/100 Mbit/s)
- Serial interface RS232 (Sub-D 9-pin)
- 2 sensor interfaces (RJ45) for optional sensors

Technical Details

- Case allows vertical mounting in 19 inch racks (0 RU), LxHxD: 69 x 6 x 7 cm (length including pivotable brackets)
- Sturdy housing made of powder-coated steel plate
- Weight: ca. 2.8 kg
- Operating temperature: 0-50 °C
- Storage temperature: -20 - 70 °C
- Relative humidity: 0 - 95 % (non-condensing environment),

Order Code	Product	Feature	Operating Voltage	Max. Current
8314-1	Expert Power Control 8314-1	8 outlets safety socket CEE 7/3	230 V	16 A
8314-2	Expert Power Control 8314-2	8 outlets IEC C13	230 V	16 A
8316-1	Expert Power Control 8316-1	8 outlets safety socket CEE 7/3, energy metering per load outlet	230 V	16 A
8316-2	Expert Power Control 8316-2	8 outlets IEC C13, energy metering per load outlet	230 V	16 A
7101	Temperature Sensor 7101	Cable sensor with splash-proof sensor head (IP64), RJ45 connector, -20°C to +80°C		
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				
7202	Temp., Humidity Sensor 7202	Box case with RJ45 socket, -20°C to +80°C, 0-90% humidity		
0804	IEC Extension Cable 0804	Extension cable for IEC C13 to C14, length: 3 m		

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