Expert PDU Energy 8340 / 8341 Series

Inline Meter with hotswap drawer and integrated current metering and monitoring for 2 or 4 single-phase mains

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 (8340-2 / 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
  2 x IEC C20, max. 16 A (8340)
  4 x IEC C20, max. 16 A (8341)
• Load outlet
  2 x IEC C19, max. 16 A (8340)
  4 x IEC C19, max. 16 A (8341)
• Ethernet connector RJ45 (10/100 Mbit/s)
• 1 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)

Order code | Product | Feature | Max. Current
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8340-1 | Expert PDU Energy 8340-1 | 2 phases IEC C20, 2 load outlets IEC C19, hotswap drawer | 2 x 16 A
8340-2 | Expert PDU Energy 8340-2 | 2 phases IEC C20, 2 load outlets IEC C19, hotswap drawer, residual current monitoring type A | 2 x 16 A
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 | -20°C to +80°C | 7102 | Temp./Humidity Sensor 7102 | -20°C to +80°C / 0-90% humidity
7103 | Air pressure/Temperature Sensor 7103 | 300-1100 hPa / -20°C to +80°C / 0-90% humidity
7201 | Temperature Sensor 7201 | -20°C to +80°C | 7202 | Temp./Humidity Sensor 7202 | -20°C to +80°C / 0-90% humidity
7203 | Air pressure/Temperature Sensor 7203 | 300-1100 hPa / -20°C to +80°C / 0-90% humidity

Highlights at a glance
• Enhanced failure safety due to hotswap drawer
• Energy metering per phase
• Residual current monitor (8340-2 / 8341-2)
• 2- or 4-phase version