Metered Power Distribution Unit (PDU-Metered)

MicroLOGIX

This intelligent Power Distribution Unit (iPDU) is a networked power distribution unit that increases the efficiencies of data centres with real-time remote power monitoring, environmental monitoring and data center infrastructure integration. This version of PDU is metered Inlet PDU measures the power parameter and displays both locally and over a network using various network elements. This PDU is your best choice to reduce cost, increase availability, provide energy efficiency and manage existing capacity.

Features

Mechanical

- ✧ Aluminium construction - Lightweight
- ✧ Black colour - powder coated
- ✧ Connection cable, static, 3 m, with CEE connector (IEC 60 309)
- ✧ Sockets C13-XX, C19-XX

Electrical

- ✧ Power supply 110 V – 230 V/260 V, inherent power consumption approx. 15W
- ✧ Rated current 16/32 A, single-phase/3-phase
- ✧ Version additionally 63 A/3-phase (blade PDU, no Zero-U)
- ✧ Miniature circuit-breaker, 16 A, type C
- ✧ PDU self-supplied, no external power supply required
- ✧ PDU power supply redundant across all phases (with 3-phase PDUs)

Measurement Functions

- ✧ Voltage (V), current (A), frequency (Hz)
- ✧ Active power (kW), active energy (kWh), apparent power (kVA), apparent energy (kVAh)
- ✧ Power factor (cos phi)
- ✧ Zero-conductor measurement/load imbalance detection
- ✧ Measurement per phase or infeed
- ✧ Measurement accuracy +/-1% (kWh) to IEC 50 430-1

Connectivity / Measurement Functions

- ✧ Powerful 400 MHz CPU
- ✧ Graphic OLED display 128 x 128 pixels (RGB) with back-lighting and energy-saving mode(display of output data and basic IP configuration)

- Display rotation through Mems selection
- Settable limits (warning/alarm)
- Operating hours meter, total and cyclical (resettable)
- Ethernet connection (RJ 45) for connection sensors
- USB A-port for firmware update and data logging functions
- CAN bus interface (RJ 45) for connecting sensors
- Suitable for connection to Rittal CMC III system (Slave PDU)
- MIB for linking into 3rd party software

Optional CAN BUS Sensor
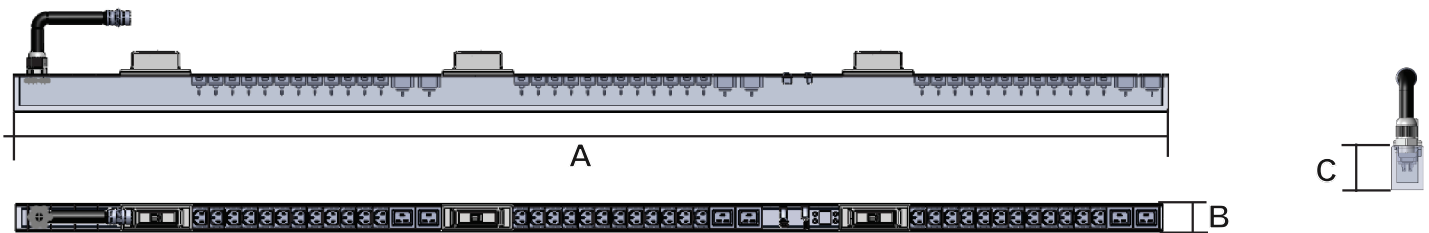
- Temperature
- Humidity
- PIR (Occupancy) or Intrusion

Supported Network Protocols

- Web server (HTTP, HTTPS, SSL)
- TCP/IP v4 and v6, DHCP
- SNMP v1, v2c and v3
- FTP/SFTP (update/file transfer)
- E-mail forwarding in case of alarm (SMTP)

Ambient Condition

- Operating temperature 0°C to 55°C
- Storage temperature -25°C to 70°C
- Ambient humidity % (non-condensing) - 10 to 95
- Protection category IP to IEC 60 529 - IP20

Dimensional Details

A	B	C
1756.8mm	44mm	62.3mm