

# C1S24VS-4PFA11F2 (Primary)

## C1L24VS-4PFA11F2 (Link)

The Server Technology® Smart PDU provides local LED input current monitoring, allowing IT personnel to determine safe levels of loading on a per-phase basis while installing equipment into the rack/cabinet. The power data points, along with temperature and humidity measurements (provided via optional probes), are accessible through the built-in Web and CLI interfaces as well as through SNMP. The Smart “Primary” PDU can be connected to a Smart “Link” PDU to extend the network access to the redundant or secondary power feed.

## Key Features



### Network Monitoring

Gain access to valuable data through connections including HTTP(S), SSH, Telnet, SNMP, (S)FTP, SMTP, Syslog, LDAP(S), RS-232 serial, and more.



### Star Multi-Linking

PRO2 provides the ability to link up to four power circuits using one IP address. Primary Expansion PDU provides backup power to network card.



### Auto-Flip Current Display

Easy-to-read LEDs display current per phase to help prevent overloads and simplify three-phase load balancing in high-density cabinets.



### High Retention Locking Outlets

PRO2 receptacles have high retention and are compatible with P-Lock type power cords.



### Color-Coded Options

Select from six colors to designate PDU circuits in the data center — black, white, red, green, blue, and yellow.



### Hot-Swap Network Card

Network access is ensured when power is lost to the Primary unit with backup power provided by the Linked unit.



### Temperature/Humidity Monitoring

Primary and Expansion (select products) units each support two external 10' (3m) T/H probes. Receive SNMP-based alerts and email notifications.



### Branch Circuit Protection

This PDU meets the UL and IEC 62368-1 requirement for branch circuit protection through UL 489 rated magnetic-hydraulic circuit breakers or UL 248 fuses.



### Flexible Mounting

Includes standard button mounts along with provisions for custom mounting brackets.

## Inputs

Input Voltage (V):	400
Frequency	50/60 Hz
Input Plug:	230/400V Wye 32A IEC 60309 3P+N+PE 6Hr
Input Current (A):	32
Input Current Rated (A):	32
Input Power Capacity (kW):	22.0

## Outputs

Connector	Rating
(18) x IEC 60320/C13	Global Rating: ≤ 10A @230V L-N
(6) x IEC 60320/C19	Global Rating: ≤ 16A @230V L-N

Outlet #1 opposite the power input

## Branch Circuit Protection

(6) 20A Fuses, six (6) branch with tool-less retraction, meets UL 60950-1 requirements (Bussmann SC-20 fuses), 100 kA Interrupt Rating

## Physical

Dimensions: 69.0in tall x 1.75in wide x 2.25in deep [1753mm x 45mm x 58mm]

## Environmental

**Operating Environment:** 32°F to 122°F / 0°C to 50°C | 8%RH to 90%RH non-condensing | 6,500ft/2km elevation

**Storage Environment:** -40°F to 185°F / -40°C to 85°C | 8%RH to 90%RH non-condensing | 50,000ft/15km elevation

**Quiescent / Unloaded Power Draw:** < 10W for all configurations

## Communications & Security

10/100/1000 Mbps Ethernet (RJ-45 connector), RS-232 serial (RJ-45 connector)

Two (2) temperature/humidity sensor inputs (4P4C), Link port (RJ-12) - {also on Link PDU}

Web-browser GUI and command-line interface (CLI): HTTP/HTTPS, TLSv1.2, SSHv2, Telnet, SNMPv2c and v3 (GET, SET, Traps), IPv4 and IPv6, LDAPv3/LDAPS, TACACS+, RADIUS, FTP/SFTP

# Certifications

## Global:

### Safety

EN IEC 62368-1 (TUV certified, T-mark)

IEC 62368-1 incl. regional, national and harmonized differences (IECEE CB scheme) EMC

### EMC

EN 55032 / CISPR 32

EN 55035 / CISPR 35

EN 61000-3-2 / IEC 61000-3-2

EN 61000-3-3 / IEC 61000-3-3

### CE Mark

2011/65/EU (RoHS Directive)

2014/35/EU (Low Voltage Directive)

2014/30/EU (EMC Directive)

### UKCA Mark

RoHS

Electrical Equipment (Safety)

Electromagnetic Compatibility

# Measurement Accuracy

## Input Measurement Accuracy:

LED Current =  $\pm 10\%$  at 0.1 amp (0.3 - 9.9 amps) and 1 amp (> 9.9 amps) resolution

GUI Current =  $\pm 5\%$  at 0.01 amp resolution (above 0.25 amp)

# Optional Accessories

EMTH-2-10 Combination Temperature/Humidity Probe, 10ft (3m)

EMCU-1-1C Environmental Monitor adding:

- Two (2) EMTH-2-10 temperature/humidity ports (one probe included)
- One (1) EMWS-1-1 water sensor port (probe sold separately)
- Four (4) dry contact (NO/NC) monitoring points
- One (1) 8-bit analog-to-digital converter (0 to 5VDC)

KIT-SUS-01 StartUp Stick™ for rapid configuration

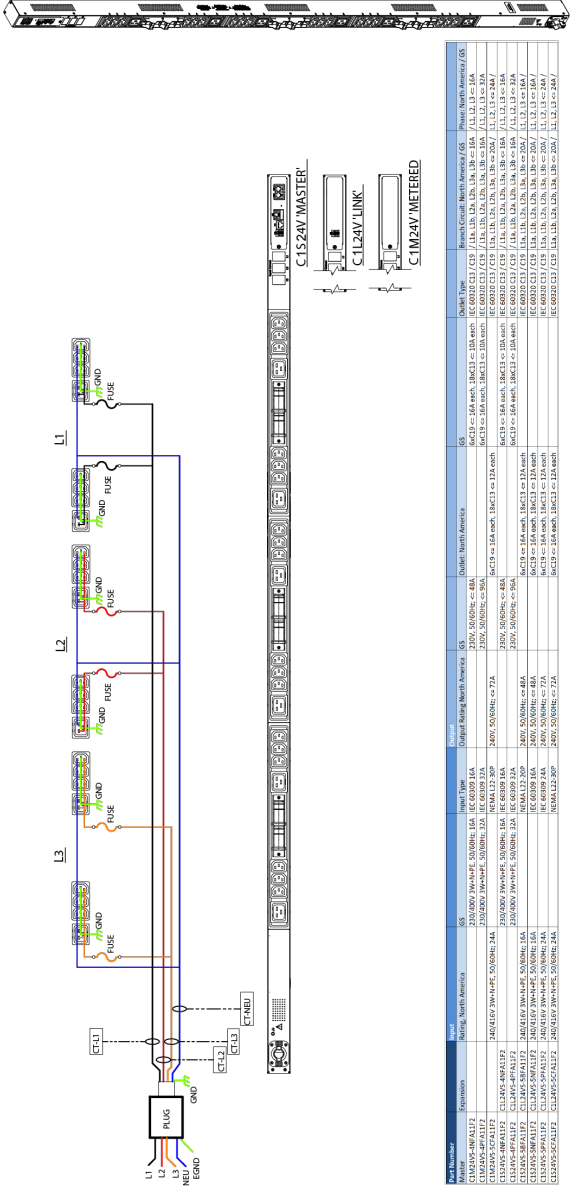
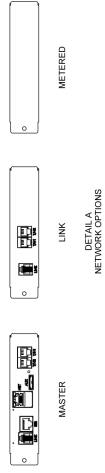
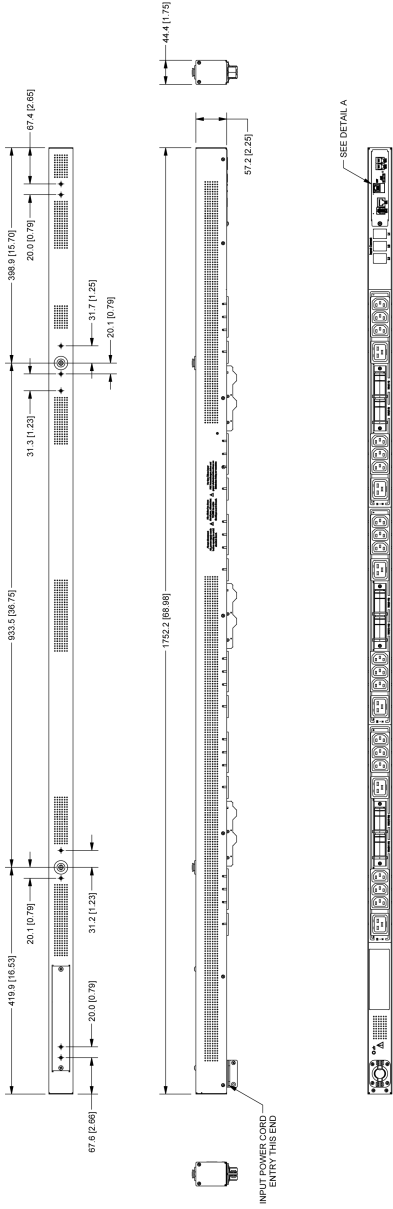
Mounting Brackets

- Buttons (KIT-0020) included for tool-less mounting (see diagram)
- See the Mounting Bracket Guide for further suggestions
- Custom mounting options available. Contact your local Server Technology representative

Cable Retention Devices for non-locking cords

- EZip
- Cable Sleeve

# Drawings



Part Number	Description	Rating	Input Type	Output Rating	North America	Europe	China	Japan	India	South America / CIS
C1M24V/MASTER	240VAC 20A 200W 24VDC 1.5A	240V, 50/60Hz c/ 2A	24VDC 1.5A	200W, 50/60Hz c/ 2A	US	240V, 50/60Hz c/ 2A	240V, 50/60Hz c/ 2A	240V, 50/60Hz c/ 2A	240V, 50/60Hz c/ 2A	US
C1L24V/LINK	240VAC 20A 200W 24VDC 1.5A	240V, 50/60Hz c/ 2A	24VDC 1.5A	200W, 50/60Hz c/ 2A	US	240V, 50/60Hz c/ 2A	240V, 50/60Hz c/ 2A	240V, 50/60Hz c/ 2A	240V, 50/60Hz c/ 2A	US
C1M24V/METERED	240VAC 20A 200W 24VDC 1.5A	240V, 50/60Hz c/ 2A	24VDC 1.5A	200W, 50/60Hz c/ 2A	US	240V, 50/60Hz c/ 2A	240V, 50/60Hz c/ 2A	240V, 50/60Hz c/ 2A	240V, 50/60Hz c/ 2A	US

ISO VIEW

## Additional Information

**Warranty:** Server Technology offers a standard 2-year limited parts & labor warranty. Extended support is available at the time of purchase. See the Support Options on the website, or contact your local Server Technology representative for more information.

**Patents:** Information on Server Technology patents is available on the website at: [www.servertech.com/products/patents](http://www.servertech.com/products/patents)

“Global” models are typically for use in countries outside of North America. Contact your Server Technology representative for more information about which models are appropriate for your application.

Information in this document is current as of time of publishing. Contact your Server Technology representative for the most up-to-date information. This datasheet was generated on: 22-Jul-2024

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