CS-24VD-L20MA (Primary)

CL-24VD-L20MA (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.

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.

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.

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.

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

Inputs

Input Voltage (V):	208
Frequency	50/60 Hz
Input Plug:	NEMA L15-20P
Input Current (A):	20
Input Current Rated (A):	16
Input Power Capacity (kW):	5.7

Outputs

Connector	Rating
(18) x IEC 60320/C13	North American Rating: ⩽ 12A @208V L-L (15A Peak)
(6) x IEC 60320/C19	North American Rating: ⩽ 16A @208V L-L (20A Peak)

Outlet #1 opposite the power input

Branch Circuit Protection

(6) 20A Fuses, three (3) 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 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

North American:
Safety (Listed & Certified, cTUVus mark)
  UL 62368-1
  CSA C22.2 No. 62368-1
EMC
  FCC Part 15 Subpart B Sections 15.107 & 15.109, Class A
  CAN ICES-003, Class A

Measurement Accuracy

Input Measurement Accuracy:

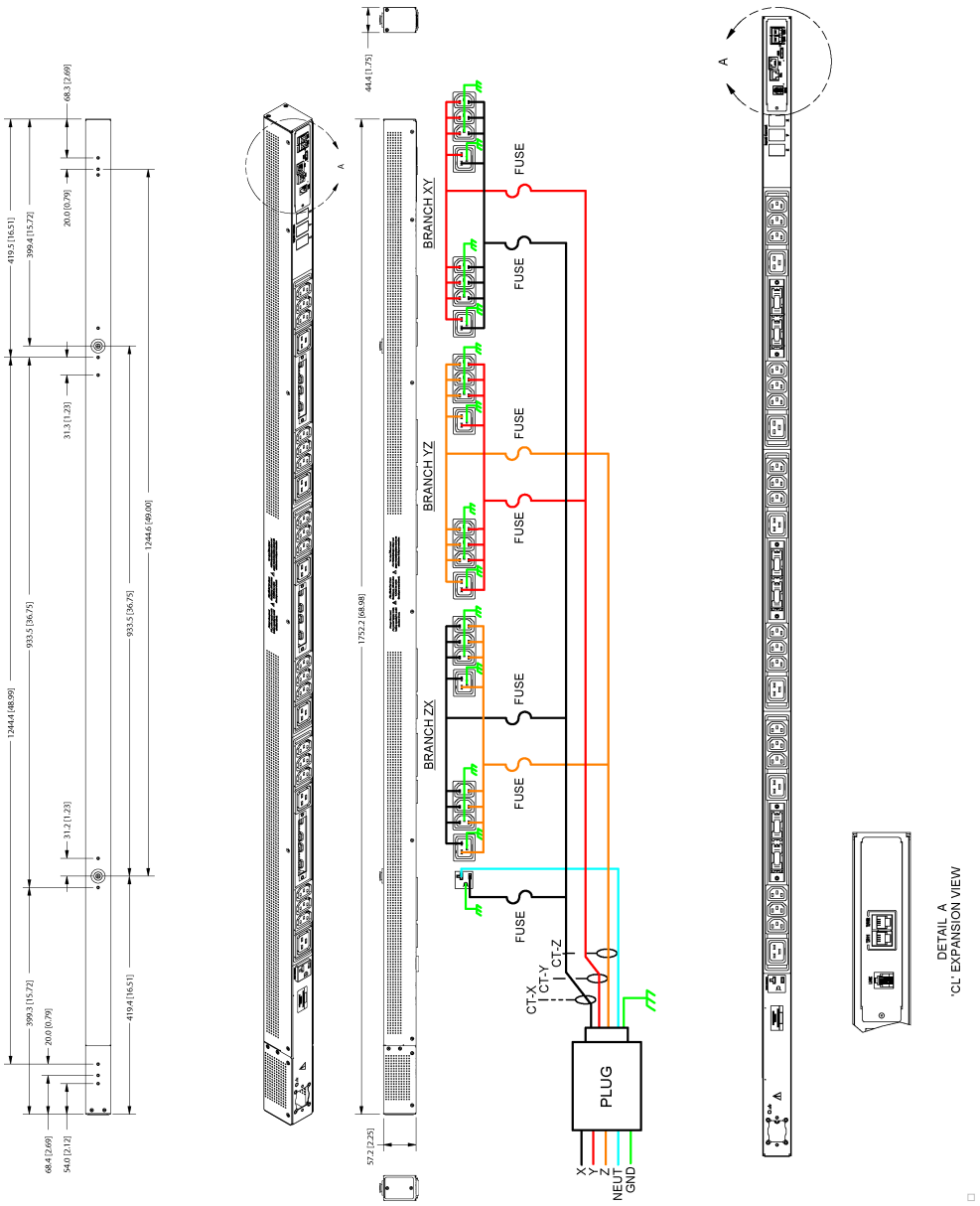
LED Current = ± 10% at 0.1 amp (0.3 - 9.9 amps) and 1 amp (> 9.9 amps) resolution
GUI Current = ± 5% at 0.01 amp resolution (above 0.25 amp)

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 configurationMounting 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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20.0 [0.79]
419.5 [16.51]
399.4 [15.72]
31.3 [1.23]
12446 [49.00]
933.5 [36.75]
1244.4 [48.99]
31.2 [1.23]
399.3 [15.72]
20.0 [0.79]
419.4 [16.51]
68.4 [2.69]
54.0 [2.12]
A
444 [1.75]
1752.2 [68.98]
57.2 [2.25]
BRANCH XY
BRANCH YZ
BRANCH ZX
FUSE
CT-X
CT-Y
CT-Z
PLUG
X
Y
Z
NEUT
GND
DETAIL A
'CL' EXPANSION 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

"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: 25-Apr-2024

Interested in learning more about how Server Technology can help you manage and distribute power in your datacenter?
Visit us online at: www.servertech.com/products/

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