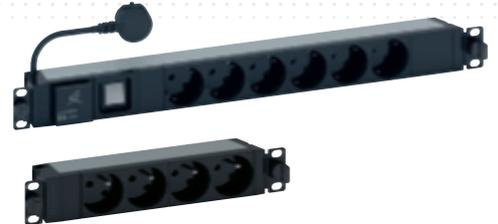NEW RANGE OF PDUs & iPDUs

LCS 3

3 DIMENSIONS OF EXCELLENCE

● PERFORMANCE ● SCALABILITY ● EFFICIENCY

CATALOGUE
PAGES
INSIDE
->

INNOVATIVE POWER INFRASTRUCTURE
SOLUTIONS FOR DATA CENTERS
AND NETWORKS

GLOBAL SPECIALIST IN ELECTRICAL AND DIGITAL
BUILDING INFRASTRUCTURES

L **legrand**®

LCS³

3 DIMENSIONS OF EXCELLENCE

● PERFORMANCE ● SCALABILITY ● EFFICIENCY

EXCLUSIVE TO LEGRAND
OUR PDUs FEATURE EXCLUSIVE LEGRAND
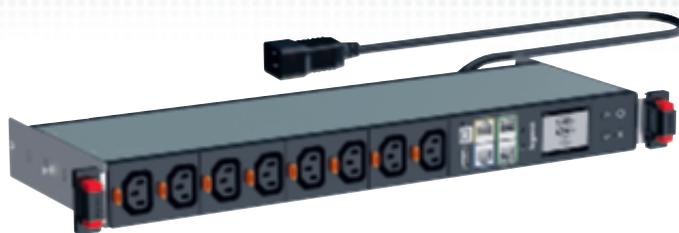INNOVATIONS. THEY ARE IDENTIFIED BY THE
FOLLOWING SYMBOLS

CORD LOCKING SYSTEM

iPDUs,
INTELLIGENCE AT THE HEART OF YOUR NETWORKS

From a complete data center to a small-scale Edge deployment, Legrand's range of power products now integrates new intelligent PDUs (iPDUs) which can be used to monitor and control the rack power infrastructure remotely, in order to efficiently manage power capacity and ensure uptime.

CONTENTS

PDUs, SOLUTIONS
FOR ANY CONFIGURATION

A WIDE UNIVERSAL RANGE

The new PDU offer combines Legrand's quality and innovation with a wide range of applications.
A standalone solution, this range integrates seamlessly into any installation, ensuring compliance with applicable standards.

GENERAL CHARACTERISTICS

- Anodised aluminium Chassis:
  High-quality material, lightweight and rigid
- Modular design:
  Expandable socket and function modules

SAFETY

- High-quality electrics
- High-quality connection
- Sockets equipped with safety shutter
- **Cord Locking system** (see page 6)

POWER SUPPLY

- 16 A to 32 A, single- or three-phase
- PDUs incorporating both
  international and local type sockets

STANDARDS

IEC 60950 - Information technology equipment - Safety

IEC 60297-3 - Dimensions of mechanical structures of the 482.6 mm series (19 in)

IEC 60320-2-2 - Appliance couplers for C13 and C19 electrical equipment

IEC 60884-1 - French/Belgian and German standard plugs/sockets

BS 1363-2 - British standard plugs/sockets

IEC 60309 - Industrial plugs

Certification: CE, TSE, CCC

Environmentally-friendly products
Eco-design

ZERO-U PDU P.8 to 11
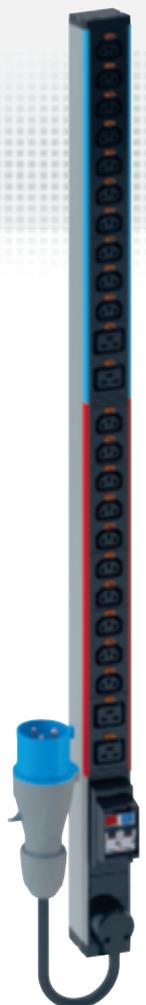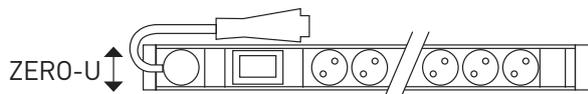

FOR DATA CENTERS/SERVER ROOMS
These are used in server cabinets where:
- there is a high density of active equipment
- electrical distribution quality is crucial

14 BASIC PDU CATALOGUE NUMBERS
9 INTELLIGENT PDU CATALOGUE NUMBERS

FOR VERTICAL INSTALLATION

ZERO-U

1-U PDU 19″   👁 P.10

FOR DATA CENTERS, EDGE SERVER ROOMS AND COMPUTER ROOMS

These are used in patching and server enclosures where:

- there is a low density of active equipment to be powered
- ease of installation is an advantage

29 BASIC PDU CATALOGUE NUMBERS

4 INTELLIGENT PDU CATALOGUE NUMBERS

FOR VERTICAL OR HORIZONTAL INSTALLATION
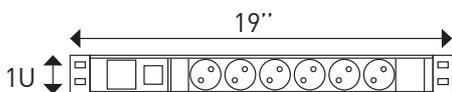
1-U PDU 10″   👁 P.10

FOR SMALL IT ENVIRONMENTS

These are mainly used in small-scale commercial applications where there are a limited number of computer workstations and a 10″ cabinet is sufficient:

- Small businesses, freelance professions, administrative services, etc.

3 CATALOGUE NUMBERS

HORIZONTAL PDU

INTELLIGENT, EFFICIENT
POWER SUPPLY MANAGEMENT

INCORPORATING INTELLIGENT, INNOVATIVE FUNCTIONS

PDUs can help meet the needs for energy while incorporating intelligent functions, including real-time power metering and environmental monitoring. Connected PDUs (iPDUs) include me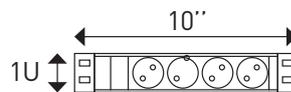asurement of consumption and switching of active power and remote alarm with volts, amperes, real-time power (kW) and energy (kWh) measurements.

ENERGY DISTRIBUTION
For implementation in LANs or data centers, these are easily mounted and have numerous configuration options

Legrand Metered and Switched models provide the most common power supply configurations to meet the needs of data centers and local networks.

AVAILABLE IN VERTICAL ZERO-U
AND HORIZONTAL 1U 19″ VERSIONS

METERED & SWITCHED iPDUs 👁 P.14 to 19

METERED iPDUs 👁 P.18

POWER SWITCHING AND REAL-TIME MONITORING
With input metering and output level switching, these can be used to remotely control the power of devices and supply the necessary information as needed. Multiple configurations are available

ACCURATE MEASUREMENT
With input metering, Legrand PDUs can provide accurate energy consumption measurements. Multiple configurations possible

PDU FUNCTIONS BY RANGE	BASIC	METERED	SWITCHED
Ammeter	•		
Phase measurement (kWh, V, A, PF)		•	•
Circuit measurement (kWh, V, A, PF)		•	•
Circuit breaker trip detection		•	•
Socket management (Switching & Control)			•

NEW RANGE OF PDUs   LCS³ 3 DIMENSIONS OF EXCELLENCE   5

WWW.LEGRAND.COM

CORD LOCKING SYSTEM
INNOVATION AT THE HEART OF PDUs

FOR C13 & C19 SOCKET OUTLETS

Security of cable connection at rack level is a critical element which must be considered to ensure longevity of the installation. All Legrand PDUs have a power supply cord locking system which prevents accidental disconnection due to human error or vibration and guarantees absolute safety.
Function integrated in all Legrand PDUs:
Basic, Metered, Metered and Switched.

AN INNOVATIVE TECHNICAL SOLUTION ✅

CORD LOCKING SYSTEM
Very easy to identify thanks to the orange buttons next to each socket outlet

CORD LOCKING SYSTEM

1 CONNECTION ☑	2 AUTO LOCKING ☑	3 UNLOCKING ☑
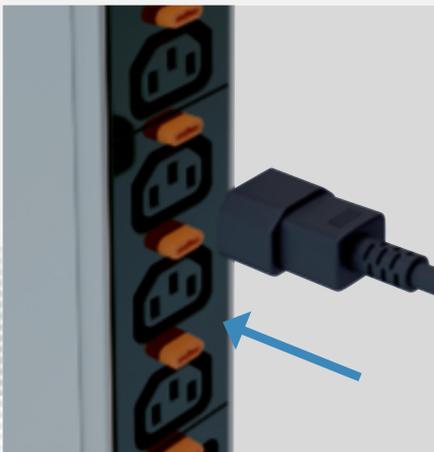
CORD CONNECTION

The cord is connected to the socket naturally in one smooth action
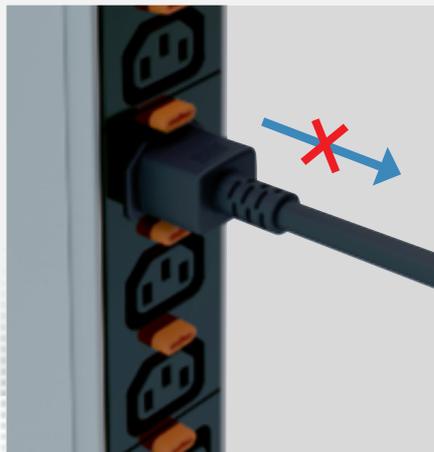
CORD HELD IN PLACE

Once the power supply cord is connected, it locks automatically and cannot be removed
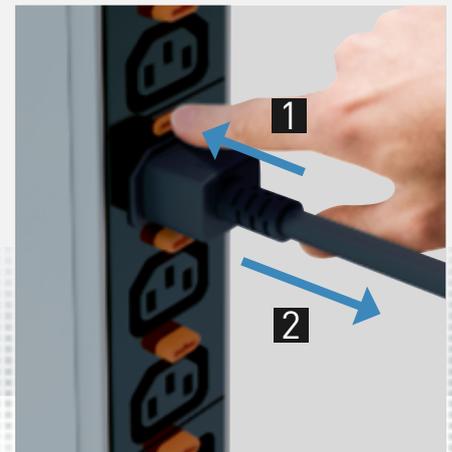
EASY REMOVAL

Simply pressing the unlock button releases the cord from the socket

UNIVERSAL SYSTEM

Takes all cords for standard C13 and C19 sockets

☑ **EXCLUSIVE TO LEGRAND**

ZERO-U PDUs
INNOVATION & PERFORMANCE

EXCLUSIVE INNOVATIONS

Every detail matters! Legrand's unique and original innovations help ensure optimum performance for the ZERO-U range of PDUs, in terms of safety, simplified setup and integration, consumption indicators, etc.
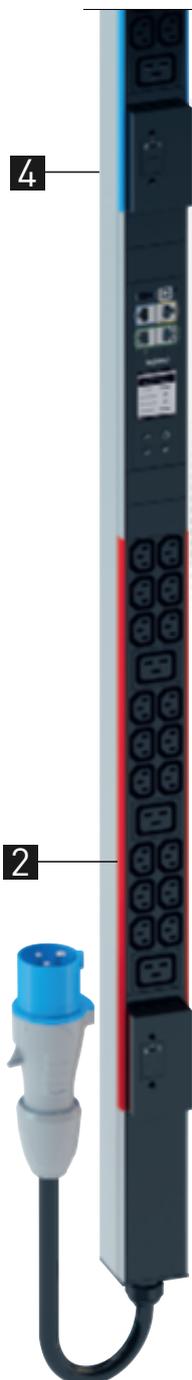
STANDARD STRUCTURE FOR BASIC, METERED & SWITCHED PDUs

1   ROTATIVE CABLE ENTRY

330 °

CABLE ORIENTATION
330° rotatable cable entry for perfect cable orientation and no interference in the cabinet

VERTICAL
INSTALLATION

CORD
LOCKING
SYSTEM
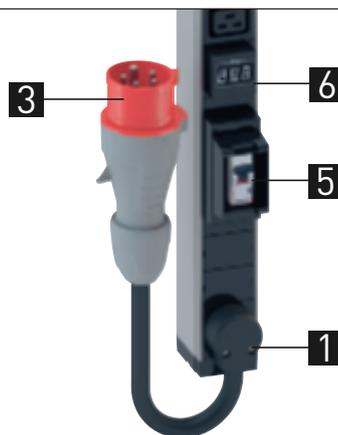
2 CIRCUIT MARKING ✓
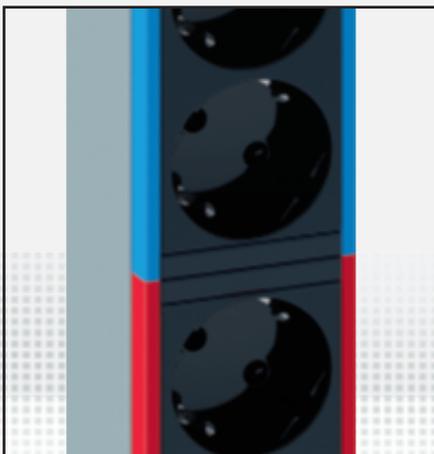
CIRCUIT IDENTIFICATION
Each circuit is colour-coded, with the colour visible on the front panel and along the edges of a module. The colour corresponds to the specific MCB protecting the circuit.

3 INPUT POWER ✓

16/32 A
single-phase

16/32 A
three-phase

ENHANCED PROTECTION
There are multiple solutions depending on power supply requirements

4 SCREWLESS MOUNTING
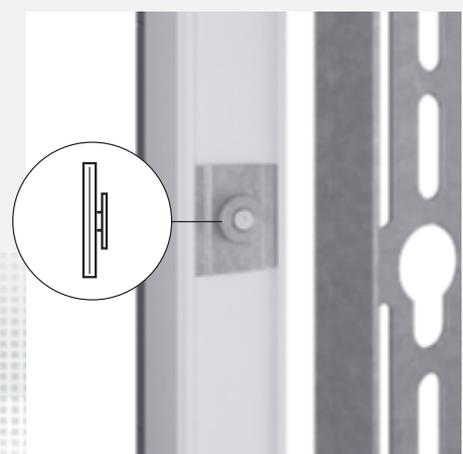
FIXED IN BUTTONHOLE SLOTS
ZERO-U PDUs simply clip vertically into buttonhole slots on the mounting bracket without the need for any screws.

OPTIONS FOR BASIC PDUs ONLY

5 CIRCUIT BREAKER HOLDER

ENHANCED PROTECTION
Circuits protected by a circuit breaker. Holder with overhanging edges to prevent accidental breakages.
(Cover available on request)

6 AMMETER ✓

CONSUMPTION INDICATOR
• Circuit balancing
• Display of available capacity
• Overload prevention

✓ **EXCLUSIVE TO LEGRAND**

1-U PDUs
INNOVATION & CONVENIENCE

SIMPLE SETUP AND INTEGRATION

The 19'' PDUs designed for installation in server cabinets and patch panels also incorporate the latest innovations for facilitating integration and maintenance, with clever mounting and operating features.
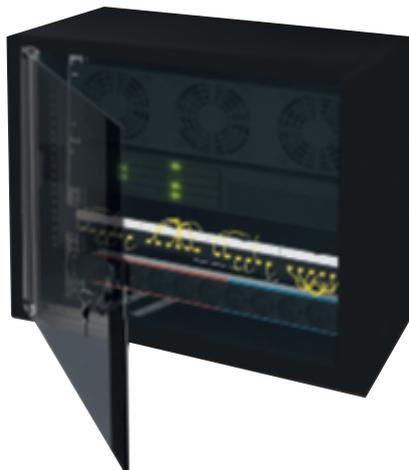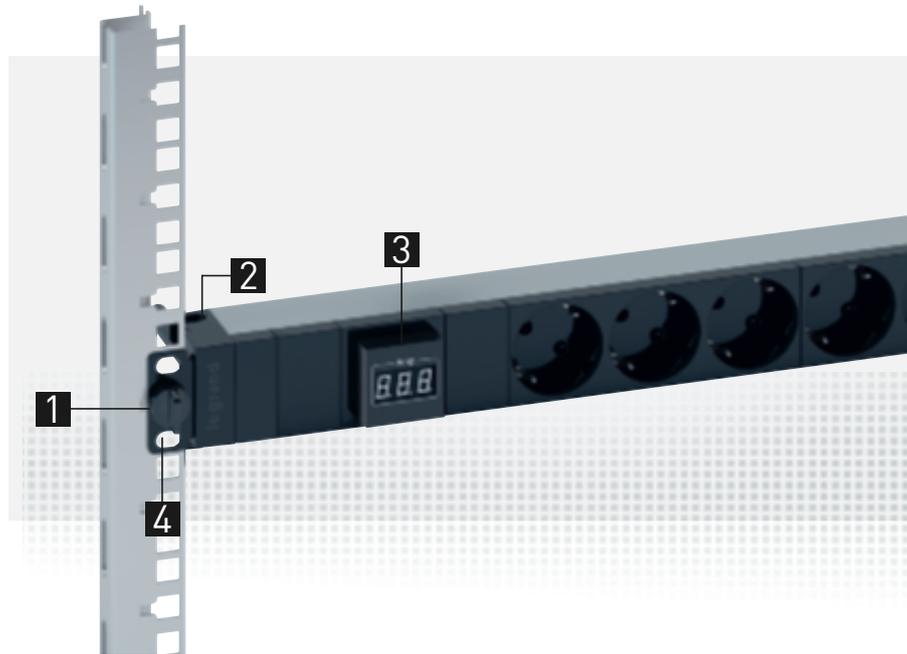
PDU 1 U 10''

Specially designed for local area networks, these PDUs feature the same innovations as the 19'' range.

HORIZONTAL
INSTALLATION

HORIZONTAL OR
VERTICAL INSTALLATION

CORD LOCKING SYSTEM

| 1 | SNAP-ON FIXING | ☑ |

TOOLLESS INSTALLATION
Snap-on fixing on 19" uprights
No need for screws or nuts.
Toolless installation.

| 2 | CABLE GUIDE | ☑ |

OPTIMISING SPACE
Cables are held firmly in place by a
cable guide.

| 3 | AMMETER | ☑ |

BASIC PDU ONLY

Amp

90 °
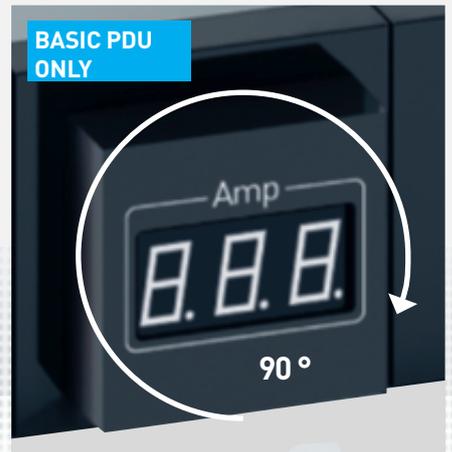
ROTATABLE DISPLAY
The ammeter can be rotated 90°
to ensure easy reading regardless
of mounting position (horizontal or
vertical).

| 4 | MOUNTING BRACKETS |
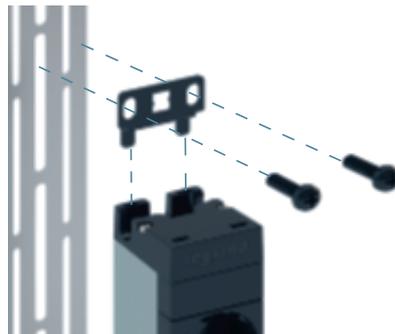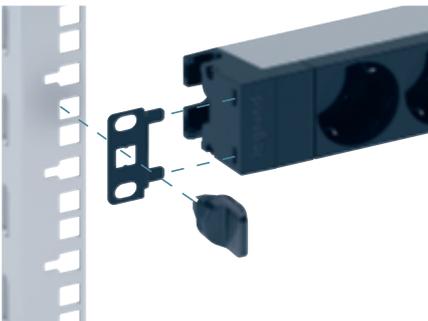
HORIZONTAL OR VERTICAL
Designed for horizontal toolless
mounting, 1-U PDUs can also
be mounted vertically simply by
rotating the mounting lugs. Vertical
mounting requires a bolt and nut to
fix the PDU securely to the bracket.

☑ **EXCLUSIVE TO LEGRAND**

NEW CONTROLLER:
THE HEART OF IPDUs

A WIDE BRIGHT COLOR LCD DISPLAY

The new Legrand PDU controller allows local access to all critical measurement data. The bright color LCD display will change colour according to the alert level detected by the iPDUs; your field technicians can quickly identify iPDUs on which the thresholds have been exceeded, obtain correct power supply data immediately and take appropriate action.
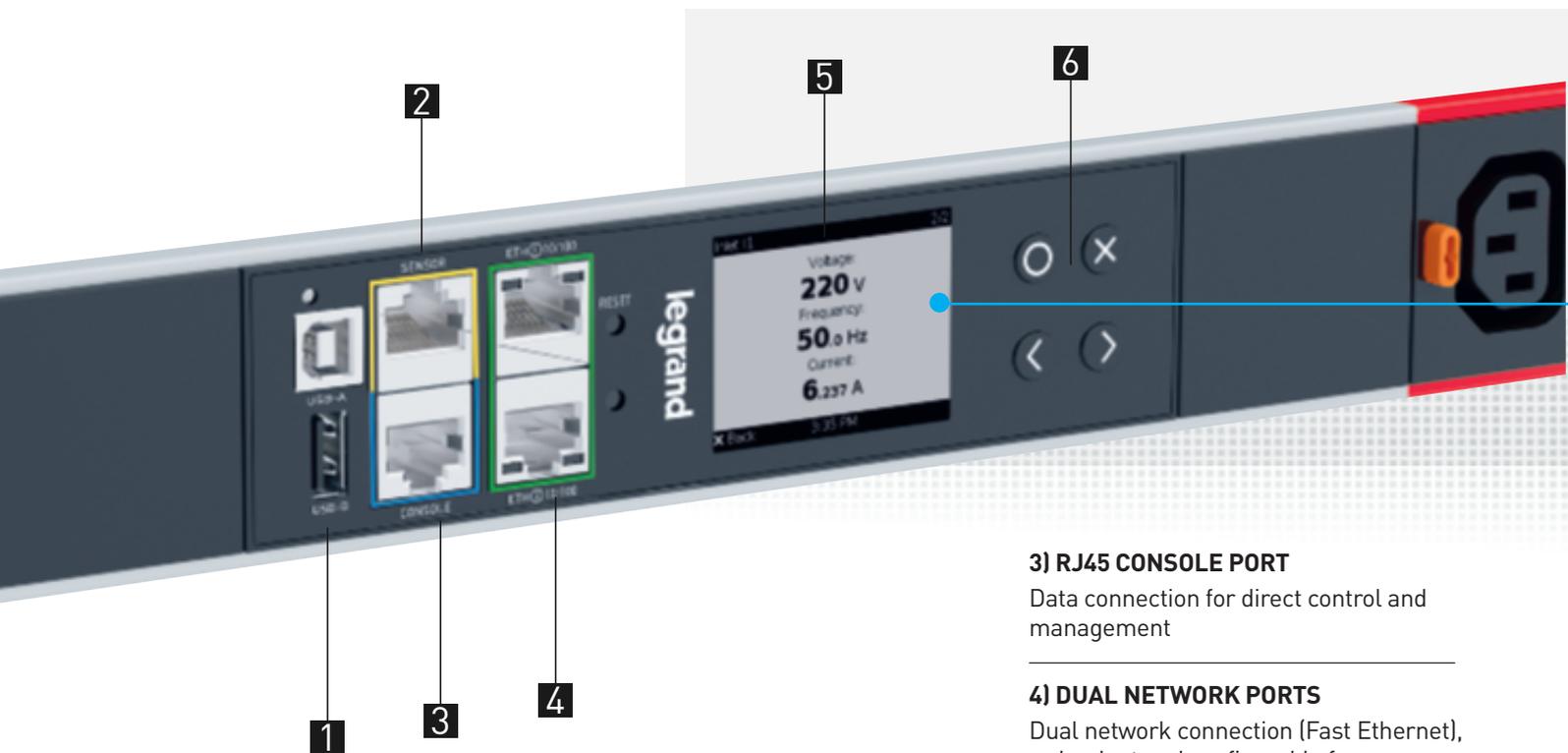
1) USB-A AND B PORTS
USB A and B ports for connecting peripheral devices, so data can be viewed on smartphones

2) RJ45 SENSOR PORT
Plug & Play sensor port for directly connecting temperature and humidity sensors and the Raritan SmartSensor™ range

3) RJ45 CONSOLE PORT
Data connection for direct control and management

4) DUAL NETWORK PORTS
Dual network connection (Fast Ethernet), redundant and configurable for access to the PDU from 2 different networks, ideal for Colocation projects or for daisy-chaining PDUs

5) LCD COLOR SCREEN
220 X 176 mm super bright screen with configurable measurement data display

6) INTUITIVE NAVIGATION BUTTONS
Navigation buttons for local screen

LOCAL DISPLAY
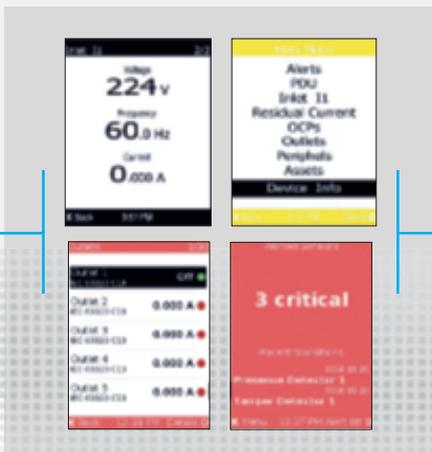
ADAPTIVE COLOUR SCREEN

The LCD display on the unit changes colour according to the alert level, making it easier for the technical teams to see the information

DCIM MONITORING

Legrand Metered and Switched PDUs can be used to export measurement and control data to any DCIM platform such as Sunbird Power IQ .

NEW PDU HTML USER INTERFACE

DIRECTLY ACCESSIBLE DATA

Makes it easier to view the data center power supply data and information about the environment. The responsive Web graphic interface can be accessed from any device or tablet, or directly from a desktop computer. The redesigned overview screen provides the most important information at a glance, so you can easily monitor your PDU health and critical data, and also view the cabinet energy consumption in real time.

METERED & SWITCHED iPDUs

ADVANCED MONITORING

GOLD STANDARD ACCURACY

The first step in preventing outages in your data center consists of making sure that you have the most reliable and accurate monitoring data. Legrand iPDUs are certified to have +/- 1% measurement accuracy with all types of load in real time, you can be sure that your PDU is supplying the necessary information as and when needed.

ACCURATELY MEASURED ENERGY CONSUMPTION

REAL-TIME MEASUREMENT

Legrand PDUs are certified to have +/- 1% measurement accuracy with all types of load in real time, so you can be sure that your PDU is supplying the necessary information as and when needed.
With Legrand's Metered and Switched PDUs, a billing-grade energy metering chip is dedicated to the Inlet power supply module and provides extremely accurate KWH data for each tap-off circuit.

+/-1% HIGH-PERFORMANCE INPUT MEASUREMENT

Legrand PDUs benefit from the metering technology of Raritan, delivering a high-end measurement performance, which gives a clear picture of energy consumption.

CIRCUIT BREAKER INTELLIGENCE AND BRANCH CIRCUIT MONITORING

If a server power supply fails, your energy management system in the electrical panel will not detect this condition, only detection of the circuit breaker trip status will keep you informed in real time!

Server

Status detection visible from the circuit breaker

Circuit breaker integrated in an iPDU
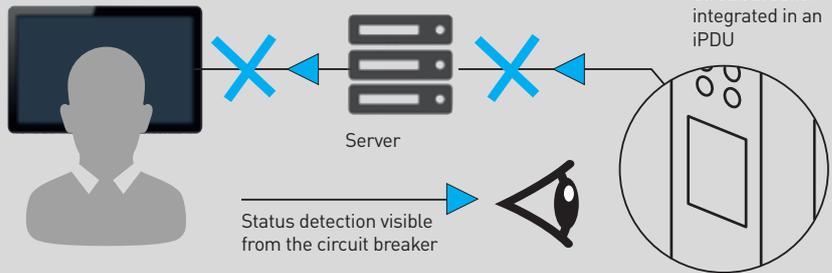
MONITORING CURRENT AND VOLTAGE AT THE CIRCUIT BREAKER LEVEL

Legrand iPDUs are equipped with standard Circuit breaker status monitoring and branch circuit metering (on 32A models), providing critical load-balancing and circuit load information per phase.
This allows you to be alerted in time and avoid circuit overloads.

They can also be used to activate configurable alerts when a measurement is exceeded or when a circuit breaker drops.
You are directly informed of the loss of power and can react quickly, preventing overloads on other circuits.

CIRCUIT OVERLOAD ALARM

Alarms defined by the user warn the IT managers and data centers of potential circuit overloads so as to prevent accidental loss of power to critical equipment.
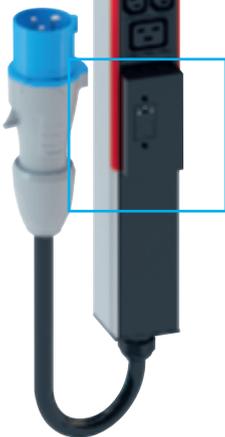
SWITCHED iPDUs
METERING & CONTROL

EASIER POWER MANAGEMENT

Legrand iPDUs also integrate input metering and output level switching, providing granular power switching of each device connected to the iPDU, and making it easier to manage IT installations remotely, while helping to improve availability.

1 CONFIGURABLE OUTLET REBOOTING SCHEDULE

Configurable rebooting schedule

Unit or branch load shedding

60 s

40 s

Server group 3

Server group 2

Server group 1

Apparent power level
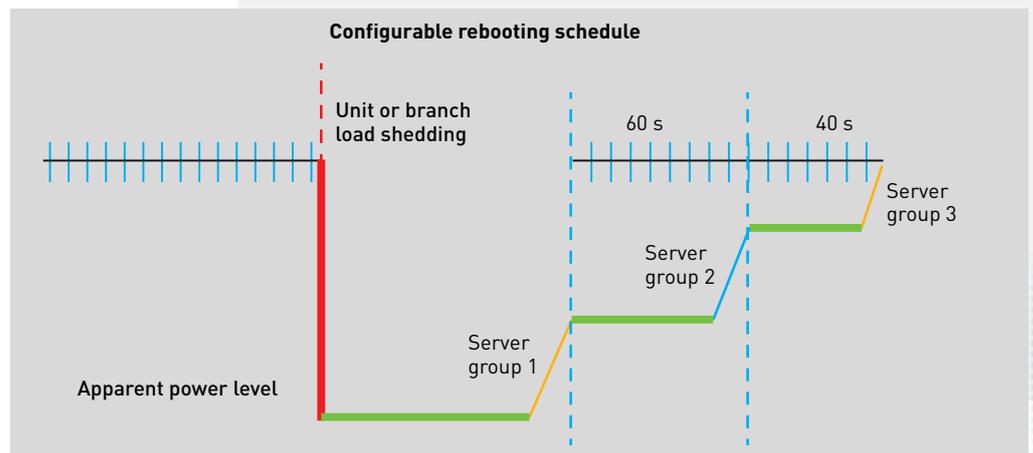
OUTPUT CONTROL

Automated restarting, load shedding and individual output control of socket outlets.
Used to schedule restarting on each socket outlet in order to minimise the impact of the peak current on the servers.
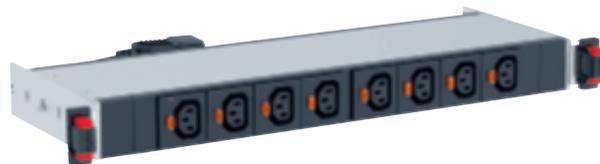
AVAILABLE IN VERTICAL ZERO-U
AND HORIZONTAL 1U 19" VERSIONS

2 CIRCUIT BREAKER INTELLIGENCE

MAGNETIC-HYDRAULIC CIRCUIT BREAKER

Above 16 Amps, Legrand iPDUs have rugged circuit breakers with delayed tripping curve, guaranteeing maximum flexibility and safety of people and equipment.
The circuit breakers are monitored by the embedded firmware and issue configurable alerts in the event of an overload or unwanted tripping.

3 REMOTE SOCKET OUTLET MANAGEMENT
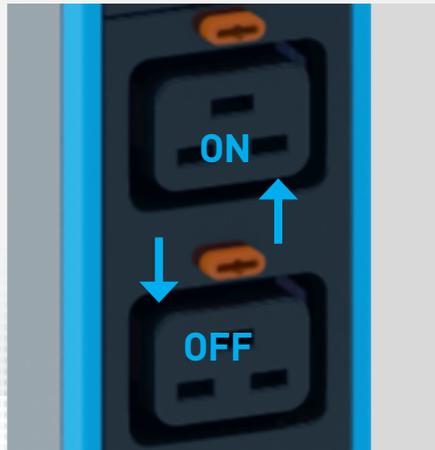
CONFIGURABLE CIRCUIT MANAGEMENT

Option of remotely switching sockets between one another and activating or deactivating individual sockets in real time on the network and managing the power sequencing of your device.
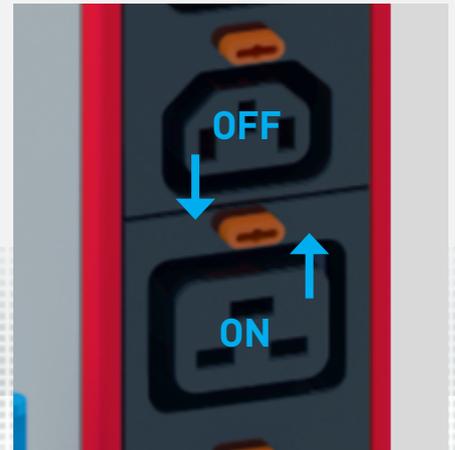
The use of switched models allows users to deactivate unavailable sockets remotely and avoid overloading the circuits by plugging in additional devices.

4 PROTECTION AGAINST UNCONTROLLED CONNECTIONS

REMOTE SOCKET MANAGEMENT

Remote socket management prevents human errors and can check that devices are only plugged in on available circuits, thus preventing overloads.

METERED iPDUs
ENERGY METERING

**SEE ALL
CONSUMPTION
AT A GLANCE**

Legrand iPDUs incorporate input metering, allowing accurate measurement of the unit's energy consumption, making it easy to understand power and manage data center growth.

CONNECTED LOADS

EASIER DATA COLLECTION IN THE CABINET

No more need to call in the technical teams to take on-site measurements in order to find out the energy consumption of your equipment, your intelligent iPDU takes care of it for you....

UNIT POWER

The overview of the rack power capacity and energy use makes it easy to understand clearly the remaining capacity in the cabinet so as to assist decisions about future growth.

METERED & SWITCHED WITH RARITAN PERIPHERALS

EASIER ACCESS CONTROL AND ENVIRONMENTAL MONITORING

By incorporating the Raritan technology platform, Legrand iPDUs benefit from the whole range of **SmartLock**™ electronic door handles, and **SmartSensor**™ environmental monitoring products. These plug and play peripherals make it easy to oversee the whole installation directly from your iPDU!

SmartSensor™ includes: temperature, humidity and contact closure sensors.

SmartLock™ includes: simple electronic handles, plus 125 kHz and 13.56 MHz card reader handles.

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1 RARITAN SMARTSENSORS™
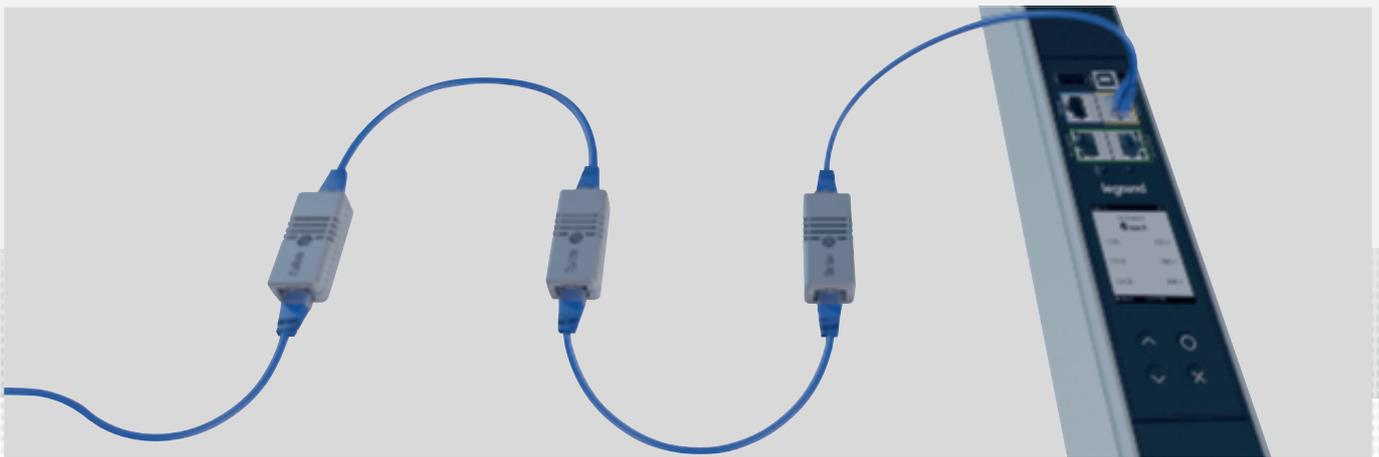
EASIER CONNECTION AND INTEGRATION

RJ45 technology simplifies the connectivity and implementation of sensors. All Raritan SmartSensors are easily integrated in the cabinet and can be connected in a daisy-chain and replaced without having to rewire the cabinet.

👁 www.raritan.com/smartsensors

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2 RARITAN SMARTLOCK™

SIMPLIFIED ACCESS, CONTROL AND COMPLIANCE

Plug and Play with Raritan SmartLock™ electronic handles, Legrand iPDUs allow you to control and secure access to the cabinet with ease

👁 www.raritan.com/smartlock

ACCESSORIES
FOR PROTECTION

ENHANCED SAFETY AND CONTROL

Compatible with all the PDUs in the Legrand range, the complementary accessories allow you to control the socket power supply and protect against overvoltages.

1   SOCKET LOCKING CAP
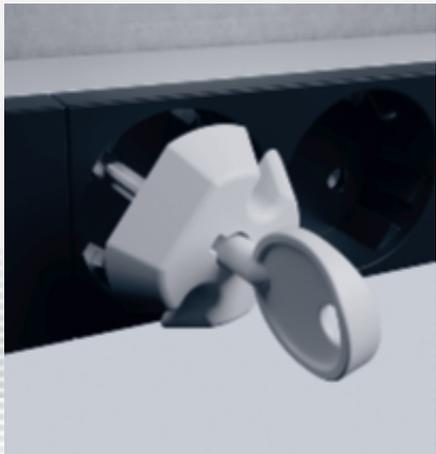
CONTROLLING ACCESS TO THE POWER SUPPLY

The locking cap can be used to lock access to a socket. A special key is required to unlock it.

Locking caps are available for the following socket standards: C13, C19, German, French-Belgian, British.

2   SURGE PROTECTIVE DEVICE

MODULAR SURGE PROTECTION

The surge protection module protects equipment against overvoltages and incorporates hot swap technology. It can be used to replace a used module without interrupting the power supply to the other equipment connected to the PDU.

This is an essential accessory for business servers which need continuous protection. The module is equipped with a warning LED which indicates when it needs replacing.

☑ **EXCLUSIVE TO LEGRAND**

SERVICES
TAILORED TO YOUR PROJECTS

OFFERING MODULARITY AND RESPONSIVENESS

Legrand has leveraged its expertise to develop its new range of PDUs designed to function at the heart of your installations. Available in 2 formats - standard and configure-to-order products - the versatility of our range offers you greater flexibility and responsiveness.

READY-TO-USE
Standard PDU ranges for fixed configurations which meet the most common requirements.

CATALOGUE NUMBERS
Find all the catalogue numbers in the e-catalogue available at legrand.com

IPDUs AND BASIC PDUs IN STANDARD CONFIGURATION

60+ CATALOGUE ITEMS

AVAILABLE IN STOCK

**SPECIALLY DESIGNED
FOR SPECIFIC APPLICATIONS**

PDUs
CONFIGURE
TO ORDER
AS REQUIRED

Our PDUs are designed to ensure flexibility of use and to meet the needs of specialists. Whether you need more sockets or a higher power rating, specific protection or whether you wish to apply colour-coded identification to accentuate the redundant power supply, PDUs can do whatever you need.

CHOICE OF CONFIGURATIONS

CHOICE OF PLUG

16/32 A single-phase

16/32 A three-phase

SOCKET STANDARDS

CL13	CL19	German	French-Belgian
British	Nema S20	Swiss T13	Swiss T23
Italian	Chinese SP		

PROTECTION

Hydro-Magnetic circuit breaker

Circuit breaker holder

Circuit breaker holder with cover

Thermal circuit breaker

Fuse

Surge and overvoltage protective device

ACCESSORIES

Ammeter

Load indicator

Illuminated switch

CABLE ENTRIES

Cable entry only

With cable only

With cable and plug

Cable gland

Rotating cable

EXAMPLES OF CONFIGURATION

GREATER RESPONSIVENESS FOR ALL YOUR CONFIGURE-TO-ORDER PROJECTS

QUOTE WITHIN 24 HRS

7 DAY TURNAROUND FOR BASIC PDUs

FROM RECEIPT OF ORDER*
* WHEN ORDERING UP TO 100 PRODUCTS

A COMPREHENSIVE RANGE
FOR NETWORK PROFESSIONALS

AMMETER PDUs					
Socket standard	Number of sockets	Casing	Max. power	Cable length	Cat. Nos.
IEC60320	6	1U 19" aluminium	3.7 kW	cordless	646843
					646844
	7 (6 C13 + 1 C19)				646845
	24 (20 C13 + 4 C19)	Zero-U aluminium	7.4 kW		646865
	24 (18 C13 + 6 C19)		11 kW	3 m	646875
French/ Belgian	6	1U 19" aluminium	3.7 kW	3 m	646840
German	6	1U 19" aluminium	3.7 kW	3 m	646841
Italian	6	1U 19" aluminium	3.7 kW	3 m	646842

METERED PDUs					
Socket standard	Number of sockets	Casing	Max. power	Cable length	Cat. Nos.
IEC60320	12	1U 19" aluminium	3.7 kW	3 m	646010
	16 (12 C13 + 4 C19)	2U 19" aluminium	7.4 kW		646011
	22 (18 C13 + 4 C19)	Zero-U aluminium	3.7 kW		646012
	24 (20 C13+4 C19)		7.4 kW		646016
	42 (36 C13 + 6 C19)	Zero-U HD aluminium	7.4 kW		646013
	42 (36 C13 + 6 C19)		11 kW		646014
	48 (36 C13 + 12 C19)		22 kW		646015

SWITCHED PDUs					
Socket standard	Number of sockets	Casing	Max. power	Cable length	Cat. Nos.
IEC60320	8	1U 19" aluminium	3.7 kW	3 m	646020
	16	2U 19" aluminium	7.4 kW		646021
	24 (21 C13 + 3 C19)	Zero-U aluminium	3.7 kW		646022
			7.4 kW		646023
			11 kW		646024
	16		2.3 kW		646025

	BASIC PDUs				
Socket standard	**Number of sockets**	**Casing**	**Max. power**	**Cable length**	**Cat. Nos.**
IEC60320	6	1U 19" aluminium	3.7 kW	cordless	**646807**
	10				**646814**
	12			3 m	**646815**
	24	Zero-U aluminium	7.4 kW		**646857**
				cordless	**646856**
	8 (6 C13 + 2 C19)	1U 19" aluminium	3.7 kW		**646809**
	24 (20 C13 + 4 C19)	Zero-U aluminium	7.4 kW	3 m	**646861**
			7.4 kW	cordless	**646860**
	24 (18 C13 + 6 C19)		11 kW	3 m	**646870**
French/Belgian	4	1U 10" aluminium	3.7 kW	1 m	**646800**
	6	1U 19" aluminium		3 m	**646805**
					646830
					646833
					646835
	8				**646822**
					646810
	9				**646811**
					646820
	24	Zero-U aluminium	7.4 kW		**646851**
				cordless	**646850**
German	4	1U 10" aluminium	3.7 kW	1 m	**646801**
	6	1U 19" aluminium		3 m	**646806**
					646831
					646836
	8				**646823**
	9				**646812**
					646821
		2U 19" aluminium			**646832**
	24	Zero-U aluminium	7.4 kW		**646853**
				cordless	**646852**
English	6	1U 19" aluminium	3 kW	3 m	**646824**
	8				**646813**
	24	Zero-U aluminium	7.4 kW	cordless	**646854**
Italian	24	Zero-U aluminium	7.4 kW	3 m	**646859**
Swiss	12 (T13)	1U 19" aluminium	3.7 kW	3 m	**646818**
	12 (T23)				**646819**

single phase Zero-U Basic Power Distribution Units (PDU)

6 468 53

6 468 61
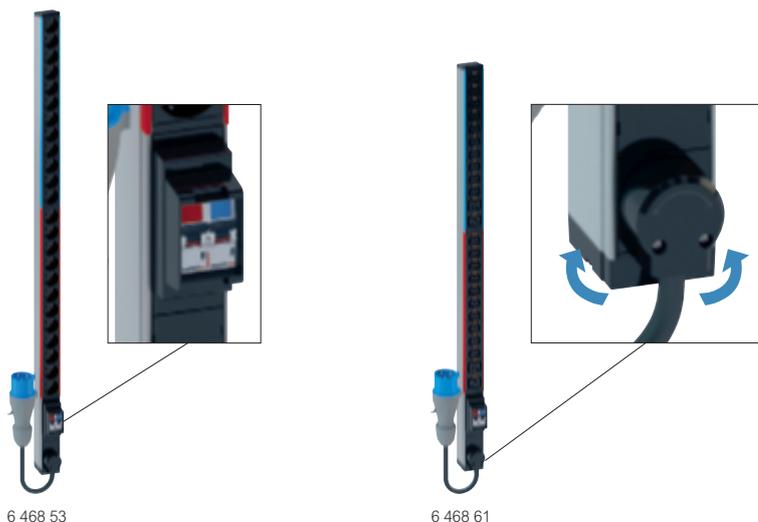
To provide ∿ electric power for IT equipment in 19" enclosures
Single phase Zero-U PDUs for vertical mounting in the cabinet
230 V - 50/60 Hz power supply
PDUs with 2 circuits protected by 16 A uni + neutral MCB in a support with projecting edges to avoid accidental breakdown. Each circuit is identified by color coding. The total number of outlets is distributed equally between the 2 circuits. 2P+E outlets: C13 and C19 standard outlets, French/German/British standards outlets equipped with blanks, French/German standards outlets inclined at 55°
330° rotating cable input for a perfect orientation of the cable and no interference in the cabinet
C13 and C19 standard outlets are equipped with cord locking system to avoid any accidental disconnection. Universal solution compatible with all the cords (C14 plugs for C13 and C20 plugs for C19)
Delivered with 2 sets of metallic mounting brackets: button brackets (for quick fixing and variable pitch) and standard brackets (for screw fixing)
Black modules (outlets and functions)
Aluminium profile

Pack	Cat.Nos	**PDU Basic**
		German standard
1	6 468 52	24 outlets Connection on terminal block up to 6 mm²
1	6 468 53	24 outlets 3 m power supply cord with IEC 60309 32 A 2P+E plug
		British standard
1	6 468 54	24 outlets Connection on terminal block up to 6 mm²
		French standard
1	6 468 50	24 outlets Connection on terminal block up to 6 mm²
1	6 468 51	24 outlets 3 m power supply cord with IEC 60309 32 A 2P+E plug
		Italian standard
1	6 468 59	24 outlets 3 m power supply cord with IEC 60309 32 A 2P+E plug
		CORD LOCKING SYSTEM **IEC 60320 standard**
1	6 468 56	24 C13 outlets with cord locking system Connection on terminal block up to 6 mm²
1	6 468 57	24 C13 outlets with cord locking system 3 m power supply cord with IEC 60309 32 A 2P+E plug
1	6 468 60	20 C13 outlets + 4 C19 outlets with cord locking system. Connection on terminal block up to 6 mm2
1	6 468 61	20 C13 outlets + 4 C19 outlets with cord locking system. 3 m power supply cord with IEC 60309 32 A 2P+E plug

Pack	Cat.Nos	**PDU Basic with ammeter**
		Measure consumption to provide better installation management: balancing circuits, displaying available capacity, preventing overloads and power failures 1 ammeter per circuit Rotating display to ensure a perfect reading whatever the PDU mounting direction is (horizontal, vertical with top or bottom power supply input)
		CORD LOCKING SYSTEM **IEC 60320 standard**
1	6 468 65	20 C13 outlets + 4 C19 outlets with cord locking system. Connection on terminal block up to 6 mm²

Legrand cabling system LCS³ Energy Distribution - three phases Zero-U Basic PDUs

6 468 75

To provide ∿ electric power for IT equipment in 19" enclosures
Three phases Zero-U PDUs for vertical mounting in the cabinet
400 V - 50/60 Hz power supply
Each circuit is protected by 16 A single pole MCB in a support with projecting edges to avoid accidental breakdown. 1 circuit per phase, each with 6 IEC 60320 C13 outlets and 2 IEC 60320 C19 outlets
330° rotating cable input for a perfect orientation of the cable and no interference in the cabinet
C13 and C19 standard outlets are equipped with cord locking system to avoid any accidental disconnection. Universal solution compatible with all the cords (C14 plugs for C13 and C20 plugs for C19)
Delivered with 2 sets of metallic mounting brackets: button brackets (for quick fixing and variable pitch) and standard brackets (for screw fixing)
Black modules (outlets and functions)
Aluminium profile

Pack	Cat.Nos	PDU Basic
1	**CORD LOCKING SYSTEM** 6 468 70	**IEC 60320 standard** 18 C13 outlets + 6 C19 outlets with cord locking system. 3 m power supply cord with IEC 60309 16 A 3P+N+E plug
		PDU Basic with ammeter
1	**CORD LOCKING SYSTEM** 6 468 75	Measure consumption to provide better installation management: balancing circuits, displaying available capacity, preventing overloads and power failures 1 ammeter per circuit Rotating display to ensure a perfect reading whatever the PDU mounting direction is (horizontal, vertical with top or bottom power supply input) **IEC 60320 standard** 18 C13 outlets + 6 C19 outlets with cord locking system. 3 m power supply cord with IEC 60309 16 A 3P+N+E plug

CORD LOCKING SYSTEM

Innovation at the heart of PDUs to prevent accidental disconnection

A major addition to the range and exclusive to Legrand, C13 and C19 outlets have a power supply cord locking system which prevents accidental disconnection and guarantees absolute safety!

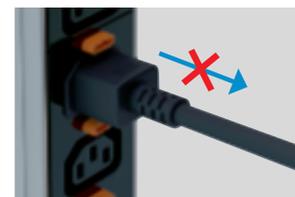**An innovative technical solution: very easy to identify thanks to the orange buttons next to each outlet**

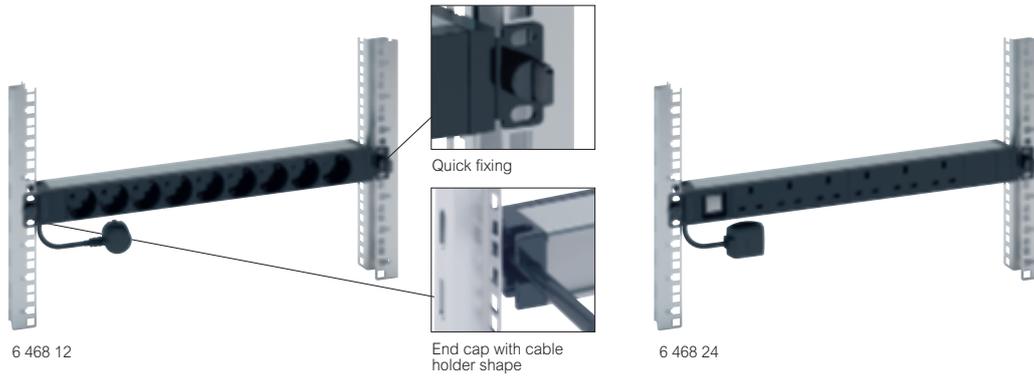**A universal system: takes all cords for standard C13 and C19 outlets**
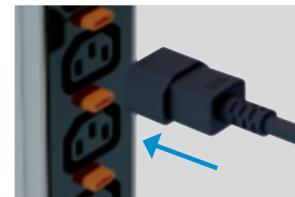
CONNECTION

AUTO LOCKING

1

2

UNLOCKING

Legrand cabling system LCS³ Energy Distribution

Horizontal (1U/2U) Basic Power Distribution Units (PDU)

Quick fixing

End cap with cable holder shape

6 468 12

6 468 24

To provide ∿ electric power for IT equipment in enclosure. 230 V - 50/60 Hz power supply. 1U aluminium profile. End cap with metallic brackets and cable holder shape. Quick fixing (no screws) on 19" fixing centers. Can also be installed vertically by reverting the brackets (no screws)
2P+E outlets:
- C13 and C19 standard outlets are equipped with cord locking system to avoid any accidental disconnection. Universal solution compatible with all the cords (C14 plugs for C13 and C20 plugs for C19).
- French, German and British standard outlets are equipped with blanks
- French and German standard outlets are inclined at 55°
Black modules (outlets and functions)

Pack	Cat.Nos	**19" - PDU Basic**
		German standard 3 m power supply cord with 16 A 2P+E French/German plug
1	6 468 06	6 outlets
1	6 468 12	9 outlets
		British standard 3 m power supply cord with 13 A 2P+E British plug
1	6 468 13	8 outlets
		French standard 3 m power supply cord with 16 A 2P+E French/German plug
1	6 468 05	6 outlets
1	6 468 10	9 outlets
1	6 468 11	9 tamperproof red outlets
		Swiss standard 3 m power supply cord with 16 A 2P+E Swiss plug
1	6 468 18	12 T13
1	6 468 19	12 T23
		IEC 60320 standard Connection on terminal block (except Cat.No 6 468 15)
1	6 468 14	10 C13 outlets with cord locking system
1	6 468 15	12 C13 outlets with cord locking system
		3 m power supply cord with 16 A IEC 60309 2P+E
1	6 468 09	6 C13 outlets + 2 C19 outlets with cord locking system
1	6 468 07	6 C19 outlets with cord locking system

Pack	Cat.Nos	**10" - PDU Basic**
		1 m power supply cord 2P+E French/German plug
		4 x 2P+E outlets
1	6 468 01	German standard
1	6 468 00	French standard

Pack	Cat.Nos	**19" - PDU Basic with power indicator or luminous switch**
		LED indicator: signals whether the PDU is supplied with power or not LED indicator switch: powers on/off the PDU
		German standard 3 m power supply cord with 16 A 2P+E French/German plug
1	6 468 21	9 outlets and 1 power indicator
1	6 468 23	8 outlets and 1 luminous switch
		British standard 3 m power supply cord with 13 A 2P+E British plug
1	6 468 24	6 outlets and 1 luminous switch
		French standard 3 m power supply cord with 16 A 2P+E French/German plug
1	6 468 20	9 outlets and 1 power indicator
1	6 468 22	8 outlets and 1 luminous switch

Legrand cabling system LCS³ Energy Distribution

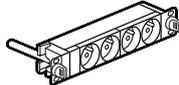## 1U Basic Power Distribution Units (PDU)
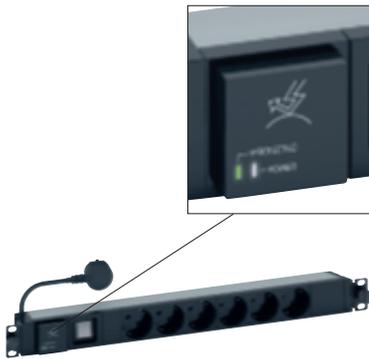
6 468 36

To provide ∿ electric power for IT equipment in enclosures. 230 V - 50/60 Hz power supply. 1U aluminium profile. End cap with metallic brackets and cable holder shape. Quick fixing (no screws) on 19" fixing centers. Can also be installed vertically by reverting the brackets (no screws)
2P+E outlets:
- C13 and C19 standard outlets are equipped with cord locking system to avoid any accidental disconnection. Universal solution compatible with all the cords (C14 plugs for C13 and C20 plugs for C19).
- French, German and British standard outlets are equipped with blanks
- French and German standard outlets are inclined at 55°
Black modules (outlets and functions)

Pack	Cat.Nos	**19" - Basic PDU with protection devices**
		MCB and RCBO support with projecting edges to avoid accidental breakdown 3 m power supply cord with 16 A 2P+E French/German plug
		German standard
1	6 468 31	6 outlets and a 16 A single pole Micro Circuit Breaker
1	6 468 32	9 outlets and a 16 A single pole Micro Circuit Breaker, 2U height
		French standard
1	6 468 30	6 outlets and a 16 A single pole Micro Circuit Breaker
1	6 468 33	6 outlets and a 16 A 30 mA Residual-current Circuit

Pack	Cat.Nos	**19" - Basic PDU with surge protection**
		Protect against mains overvoltages while keeping outlets energised With light indicators: - one LED (white) gives information whether the PDU is supplied with power or not - one LED (green) indicates when surge protection module is efficient or must be replaced Equipped with hotswappable surge protection module Cat.No 6 468 97: even when the module is being replaced, the PDU and its outlets are still powered on With switch 3 m power supply cord with 16 A 2P+E French/German plug
1	6 468 36	6 outlets - German standard
1	6 468 35	6 outlets - French standard

Pack	Cat.Nos	**19" - Basic PDU with ammeter**
		Measure consumption to provide better installation management: balancing circuits, displaying available capacity, preventing overloads and power failures Measure total PDU current Rotating display to ensure a perfect reading whatever the PDU mounting direction is (horizontal, vertical with top or bottom power supply input)
		German standard 3 m power supply cord with 16 A 2P+E French/German plug
1	6 468 41	6 outlets
		French standard 3 m power supply cord with 2P+E French/German plug
1	6 468 40	6 outlets
		Italian standard
1	6 468 42	6 outlets
		IEC 60320 standard With integrated universal plug locking system Connection on terminal block
1	6 468 43	6 C13 outlets with cord locking system
1	6 468 45	6 C13 outlets + 1 C19 outlet with cord locking system
1	6 468 44	6 C19 outlets with cord locking system

6 460 20

6 460 21

6 460 12   6 460 13   6 460 15   6 460 16   6 460 25   6 460 24

Power distribution units with metering at inlet level and circuit breaker level
Possibility of environmental monitoring through one of the optional external sensors (temperature, humidity...)

Pack	Cat.Nos	**19" - intelligent metered PDUs**
		IEC 60320 standard
1	6 460 10	12 C13 outlets, with 3 m power supply cord with C20 plug
1	6 460 11	12 C13 and 4 C19 outlets, with 3 m power supply cord with IEC60309 32 A 2P+E plug

19" - intelligent metered and switched PDUs

Pack	Cat.Nos	
		IEC 60320 standard
1	6 460 20	8 C13 outlets with cord locking system and switch 3 m power supply cord with C14 10/16 A 2P+E plug
1	6 460 21	16 C13 outlets with cord locking system and switch 3 m power supply cord with CEI 60309 32 A 2P+E plug

Vertical Zero-U - intelligent metered PDUs

Pack	Cat.Nos	
		IEC 60320 standard
1	6 460 12	18 C13 and 4 C19 outlets, with 3 m power supply cord with IEC60309 16 A 2P+E plug
1	6 460 13	36 C13 and 6 C19 outlets, with 3 m power supply cord with IEC60309 32 A 2P+E plug
1	6 460 14	36 C13 and 6 C19 outlets, with 3 m power supply cord with 3 phase IEC60309 16 A 3P+N+E plug
1	6 460 15	30 C13 and 12 C19 outlets, with 3 m power supply cord with 3 phase IEC60309 32 A 3P+N+E plug
1	6 460 16	20 C13 and 4 C19 outlets with 3 m power supply cord with IEC60309 32 A 2P+E plug

Pack	Cat.Nos	**Vertical Zero-U - intelligent metered and switched PDUs**
		IEC 60320 standard
1	6 460 25	16 C13 outlets with cord locking system. 3 m power supply cord with C14 10 A 2P+E plug
1	6 460 22	21 C13 outlets and 3 C19 outlets with cord locking system. 3 m power supply cord with IEC 60320 16 A 2P+E plug
1	6 460 23	21 C13 outlets and 3 C19 outlets with cord locking system. 3 m power supply cord with IEC 60320 32 A 2P+E plug
1	6 460 24	21 C13 outlets and 3 C19 outlets with cord locking system. 3 m power supply cord with IEC 60309 16 A 3P+N+E plug

Sensors for metered PDU accessories

Pack	Cat.Nos	
1	6 460 00	Temperature sensor
1	6 460 01	Temperature / humidity sensor
1	6 460 02	Dual contact closure sensor

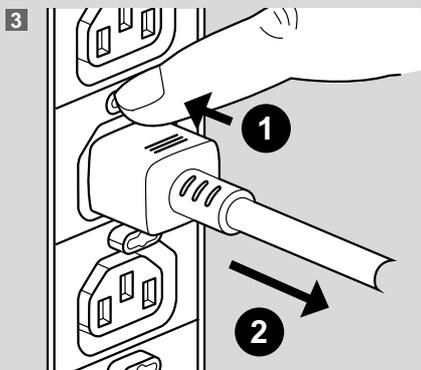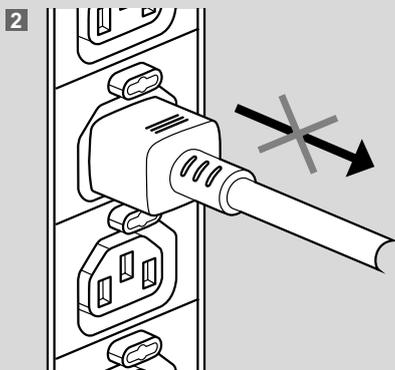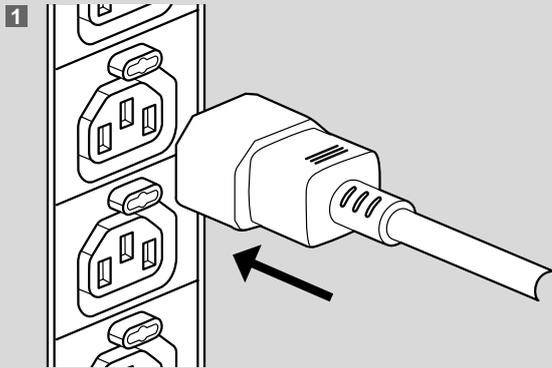# Legrand cabling system LCS³ Energy Distribution

PDUs

6 468 90

0 465 46 + 0 465 47

Pack	Cat.Nos	**PDU to be equipped**
		For self assembly with Mosaic wiring device modules
		Quick fixing (no screws) on 19" uprights
		Aluminium profile
1	6 468 99	PDU 19"
		Capacity: 16 Mosaic modules
1	6 468 98	PDU 10"
		Capacity: 8 Mosaic modules

Pack	Cat.Nos	**PDU accessories**
		Locking caps
		To block the use of an outlet. A key is necessary to remove the cap and free the access
		Light grey
1	6 468 90	Set of 6 locking caps for French, Italian and German standard outlet + 1 key
1	6 468 92	Set of 6 locking caps for British standard outlet + 1 key
1	6 468 94	Set of 6 locking caps for C13 standard outlet + 1 key
1	6 468 95	Set of 6 locking caps for C19 standard outlet + 1 key
		Surge protection module
1	6 468 97	To replace used module on PDU
		With light indicators:
		- one LED (white): signals whether the PDU is supplied with power or not
		- one LED (green/red) indicates when surge protection module is active or must be replaced
		Hotswappable surge protection module: even when the module is being replaced, the PDU and its outlets are still powered on
		Surge protection replacement module

Pack	Cat.Nos	**Multi-applications DIN rail**
		For mounting modular devices (circuit breakers, Legrand multimedia network components, etc)
		Capacity: 24 modules
		Height 4 U
		Screw fixing on 19" uprights
1	0 465 46	DIN profile rail with front panel
		Supplied with blanking plates
		24 modules
		Black RAL 9005
1	0 465 47	Rear cover
		To be used for high current applications (greater than 50 V)
		To be associated with DIN profile rail Cat.No 0 465 46
		Ensures IP XXB
		Supplied with terminal block (8 + 1 connections)

Cord locking system

1

2

3

Horizontal mounting in Legrand 19" cabinets

Can be mounted in all Legrand 19" cabinets except for 19" HD racks which require the use of equipment screws Cat.No 0 464 23

Quick fixing

Vertical mounting in freestanding cabinets with support
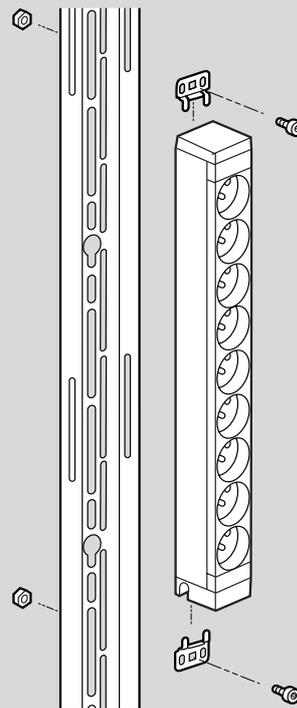
Energy distribution

19" 1U PDU mounting

■ 19" 1U PDU configurations
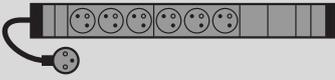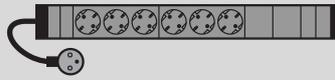
| 6 468 05 | 6 468 06 | 6 468 07 | 6 468 09 |

| 6 468 10 | 6 468 11 | 6 468 12 | 6 468 13 |

| 6 468 14 | 6 468 15 | 6 468 18/19 | 6 468 20 |

| 6 468 21 | 6 468 22 | 6 468 23 | 6 468 24 |

| 6 468 30 | 6 468 31 | 6 468 32 | 6 468 33 |

| 6 468 35 | 6 468 36 | 6 468 40 | 6 468 41 |

| 6 468 42 | 6 468 43 | 6 468 44 | 6 468 45 |
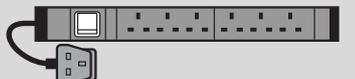
■ 10" 1U PDU configurations
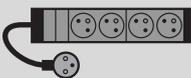
| 6 468 00 | 6 468 01 |
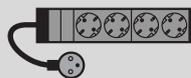
Energy distribution

Zero-U PDU

Zero-U PDU configurations

6 468 50 6 468 51 6 468 52 6 468 53 6 468 54 6 468 56 6 468 57 6 468 59 6 468 60 6 468 61 6 468 65 6 468 70 6 468 75

3 m
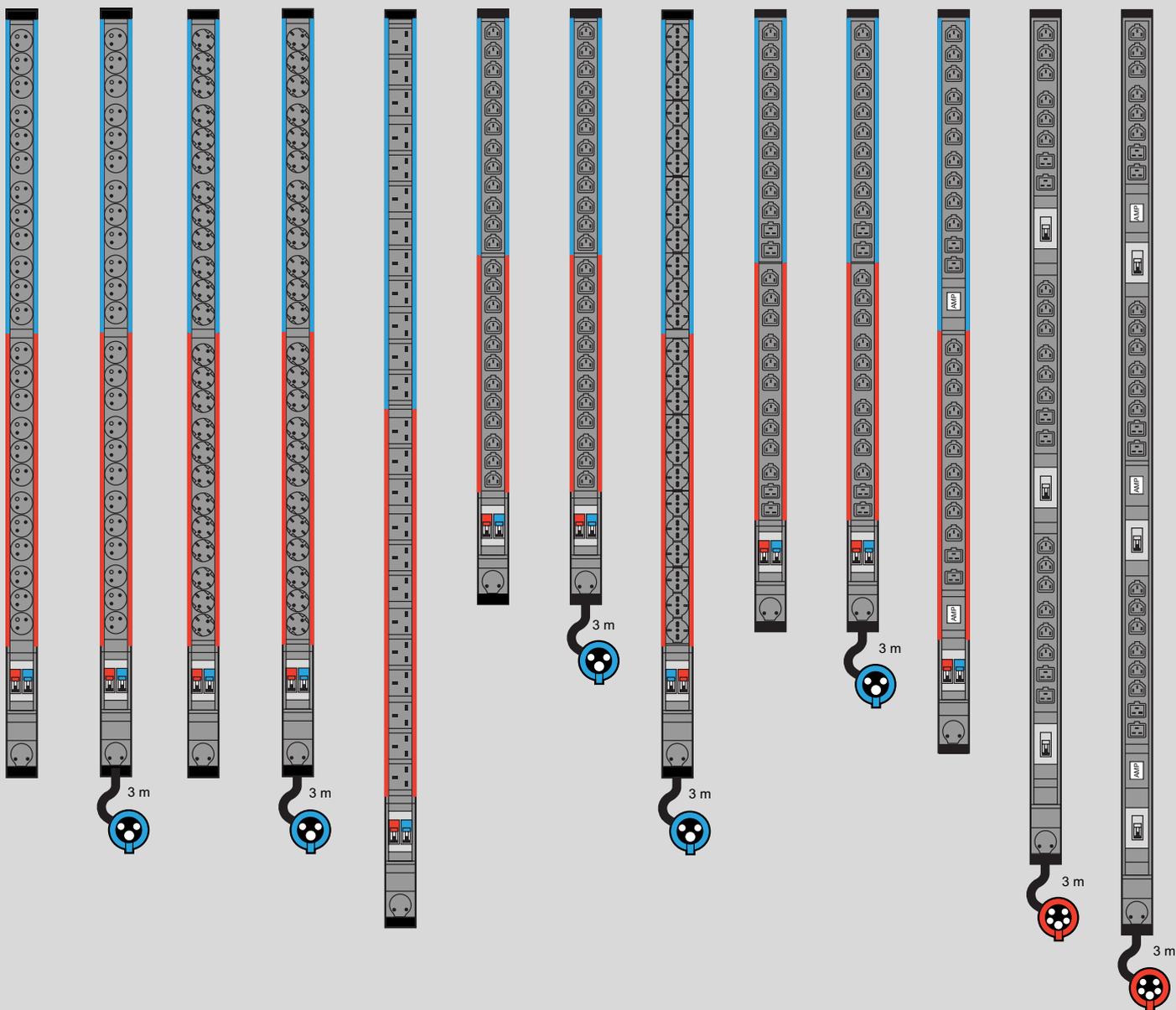
Zero-U PDU sizes (mm)
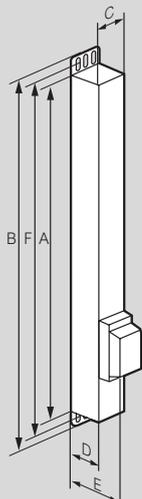
Cat.Nos	Height		Width	Depth		Fixing centres (mini-maxi)	
	A	B[1]	C	D	E[2]	F[1]	
6 468 50	1247	1291	52	52.5	87	1259	1279
6 468 51	1247	1291	52	52.5	87	1259	1279
6 468 52	1247	1291	52	52.5	87	1259	1279
6 468 53	1247	1291	52	52.5	87	1259	1279
6 468 54	1463	1507	52	52.5	87	1475	1495
6 468 56	1031	1075	52	52.5	87	1043	1063
6 468 57	1031	1075	52	52.5	87	1043	1063
6 468 59	1319	1363	52	52.5	87	1331	1351
6 468 60	1067	1111	52	52.5	87	1079	1099
6 468 61	1067	1111	52	52.5	87	1079	1099
6 468 65	1157	1201	52	52.5	87	1169	1189
6 468 70	1340	1384	52	52.5	87	1352	1372
6 468 75	1475	1519	52	52.5	87	1487	1507

1 : Overall height with standard brackets (screw fixing)
2 : Overall depth at the circuit breaker slot

19" intelligent PDUs

6 460 10

6 460 11

6 460 20

6 460 21

Zero-U intelligent PDUs

6 460 12   6 460 13   6 460 14   6 460 15   6 460 16   6 460 22   6 460 23   6 460 24   6 460 25

3 m   3 m   3 m   3 m   3 m   3 m   3 m   3 m

Zero-U intelligent PDUs sizes (mm)

Cat.Nos	Height		Width	Depth		Fixing centres (mini-maxi)	
	A	B[1]	C	D	E[2]	F[1]	
6 460 12	1298	1342	52	52.5	-	1310	1330
6 460 13	1539	1583	59	52.5	68	1551	1571
6 460 14	1298	1342	59	52.5	-	1310	1330
6 460 15	1780	1824	59	52.5	68	1792	1812
6 460 16	1475	1519	52	52.5	68	1487	1507

Cat.Nos	Height		Width	Depth		Fixing centres (mini-maxi)	
	A	B[1]	C	D	E[2]	F[1]	
6 460 22	1539	1583	52	52.5	-	1551	1571
6 460 23	1780	1824	52	52.5	68	1792	1812
6 460 24	1539	1583	52	52.5	-	1551	1571
6 460 25	1298	1342	52	52.5	-	1310	1330

1 : Overall height with standard brackets (screw fixing) / 2 : Overall depth at the circuit breaker slot
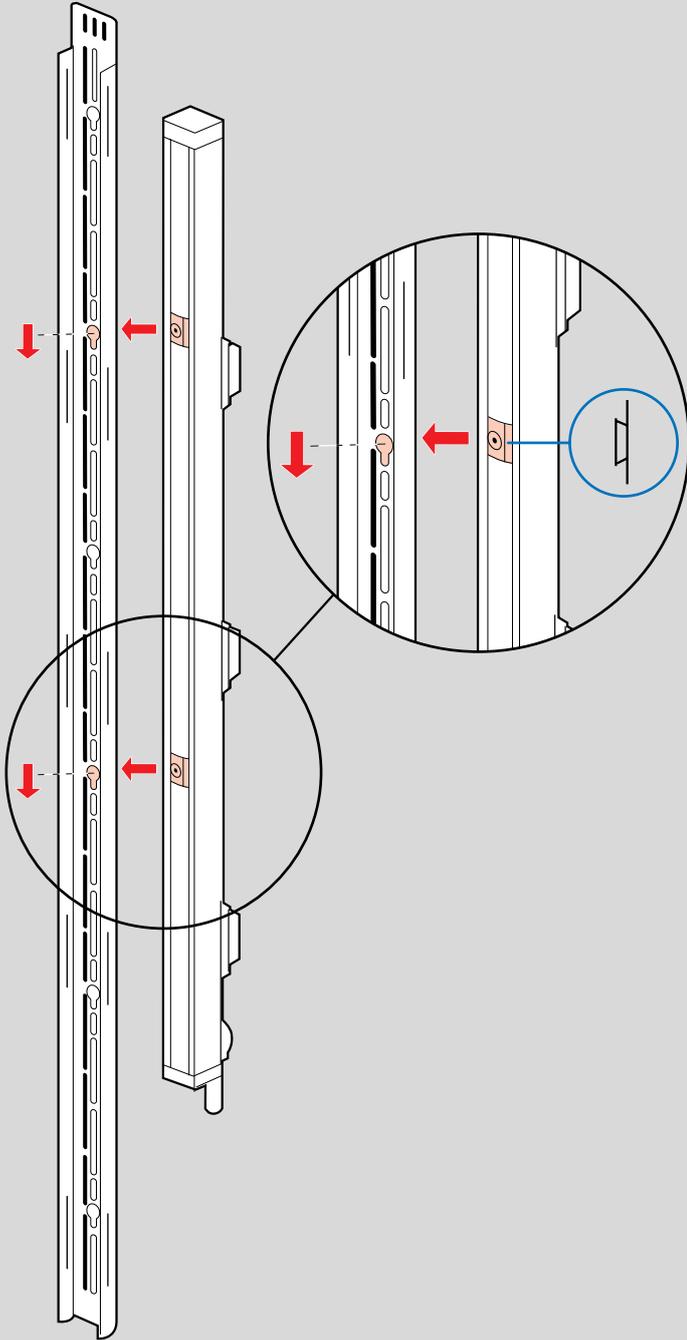
Energy distribution
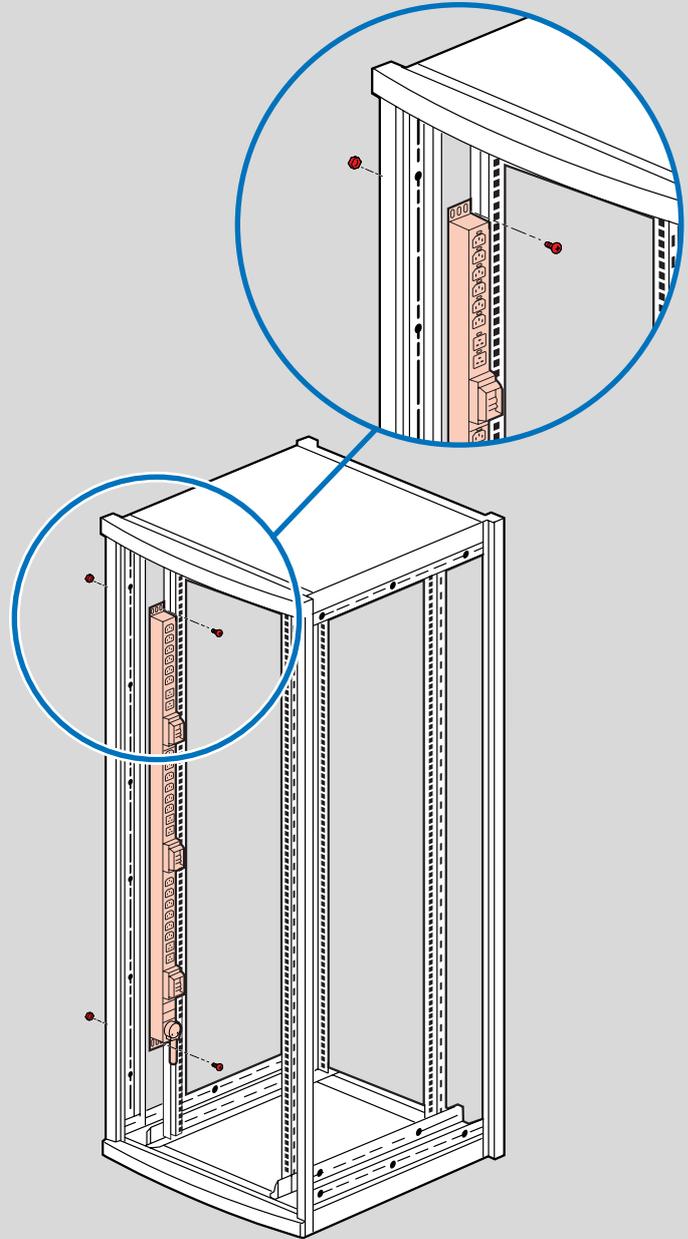
Zero-U PDU mounting in LCS³ cabinets

■ Solution with button brackets

Quick fixing without screws with support
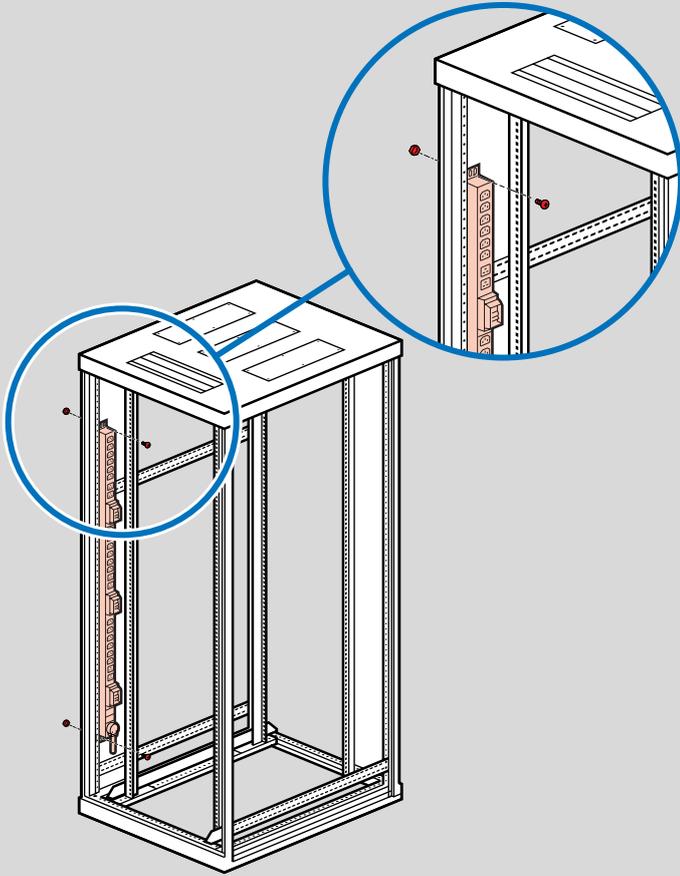

■ Solution with standard brackets

Screw fixing with support

Catalogue

number

index

legrand

Solution

with

LCS³

brackets

Screw

fixing

with

support

Catalogue number index

Solution with LCS³ brackets

Screw fixing with support

Cat.Nos	Page N°	Pack
0 465 00		
0 465 46	31	1
47	-	1
6 460 00		
6 460 00	30	1
01	-	1
02	-	1
10	-	1
11	-	1
12	-	1
13	-	1
14	-	1
15	-	1
16	-	1
20	-	1
21	-	1
22	-	1
23	-	1
24	-	1
25	-	1
6 468 00		
6 468 00	28	1
01	-	1
05	-	1
06	-	1
07	-	1
09	-	1
10	-	1
11	-	1
12	-	1
13	-	1
14	-	1
15	-	1
18	-	1
19	-	1

Cat.Nos	Page N°	Pack
6 468 20	28	1
21	-	1
22	-	1
23	-	1
24	-	1
30	-	1
31	-	1
32	-	1
33	-	1
35	-	1
36	-	1
40	29	1
41	-	1
42	-	1
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44	-	1
45	-	1
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54	-	1
56	-	1
57	-	1
59	-	1
60	-	1
61	-	1
65	-	1
70	27	1
75	-	1
90	31	1
92	-	1
94	-	1
95	-	1
97	-	1
98	-	1
99	-	1

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