#### **NEW RANGE PDUs**

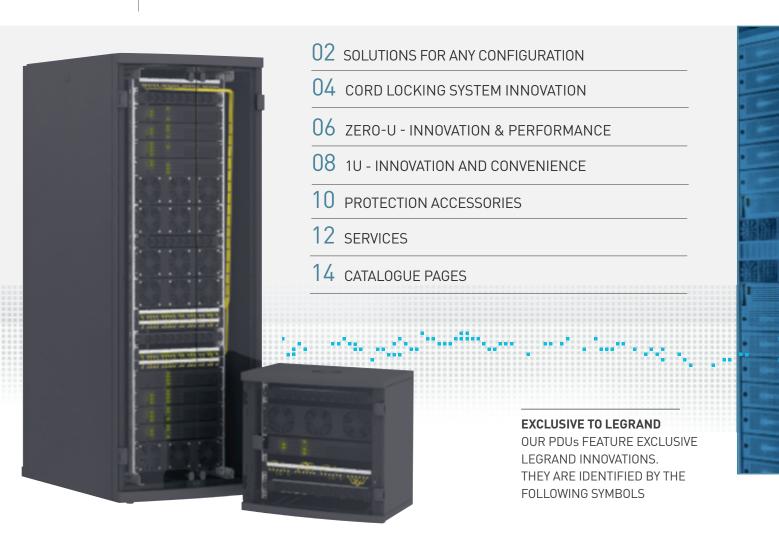






# PDUS AT THE HEART OF YOUR NETWORKS

From data centers to local area networks, Legrand's new range of power distribution units (PDUs) offers you innovative solutions to meet even your most specific requirements, developed on the strength of expertise gained over 60 years in the electrical equipment industry.







# SOLUTIONS

## FOR ANY CONFIGURATION

UNIVERSAL RANGE

A WIDE This 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 profiles: Light and rigid high-end material
- Modular design: Expandable outlet and function modules

#### SAFETY

- High electrical safety rating
- High quality connection
- Outlets equipped with safety shutter
- Cord Locking system (see page 4)



#### **POWER SUPPLY**

- 16 A to 32 A single-phase or three-phase
- PDUs integrate local and international outlet types











#### **STANDARDS**

IEC 60950 - Information technology equipment - Safety IEC 60297-3 - Dimensions of mechanical structures of the 482 6 mm (19 in) series

IEC 60320-2-2 - Interconnection couplers (C13 and C19)

for household and similar equipment

IEC 60884-1 - Plugs and socket outlets for household and similar purposes (France, Belgium and Germany)

BS 1363-2 - British standard plugs and socket outlets

IEC 60309 - Plugs, socket outlets and couplers for industrial purposes

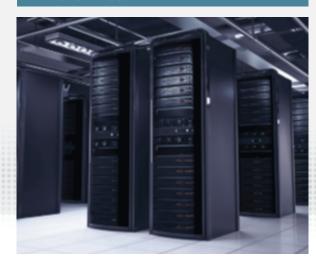
Certification: CE, TSE, CCC

#### **Environmentally-friendly products**

Eco-friendly design



#### ZERO-U PDUs



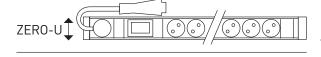
#### FOR DATA CENTERS/SERVER ROOMS

Used in server cabinets where:

- there is a high density of active equipment
- electrical distribution quality is crucial

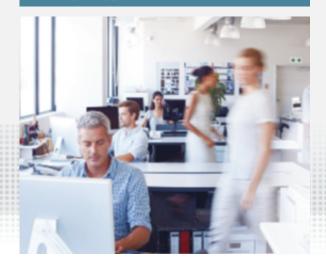
12 CATALOGUE NUMBERS

FOR VERTICAL INSTALLATION





#### 19" **1-U PDUs**



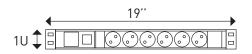
### FOR DATA CENTERS/SERVER ROOMS AND COMPUTER ROOMS

Used in server and cabling cabinets where:

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

#### 26 CATALOGUE NUMBERS

#### FOR VERTICAL OR HORIZONTAL INSTALLATION





#### 10" **1-U PDUs**



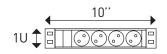
#### FOR SMALL IT ENVIRONMENTS

Mainly used in small-scale commercial applications where there is a limited number of IT points and a 10" cabinet is sufficient:

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

#### 3 CATALOGUE NUMBERS

#### HORIZONTAL PDU





3

# CORD LOCKING SYSTEM INNOVATION AT THE HEART OF PDUs

**SOCKETS** 

FOR C13 & C19 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.





**CORD LOCKING SYSTEM** 

Very easy to identify thanks to the orange buttons next to each outlet









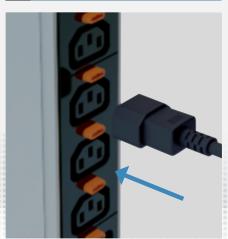


#### AUTO LOCKING



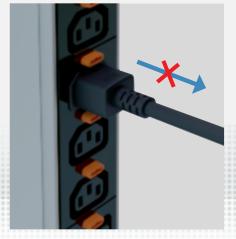
3 UNLOCKING





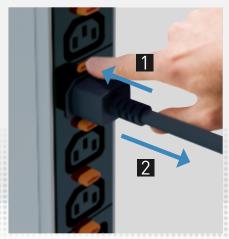
**CORD CONNECTION** 

The cord is connected to the outlet 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 outlet

#### UNIVERSAL SYSTEM

Takes all cords for standard C13 and C19 outlets







**EXCLUSIVE TO LEGRAND** 

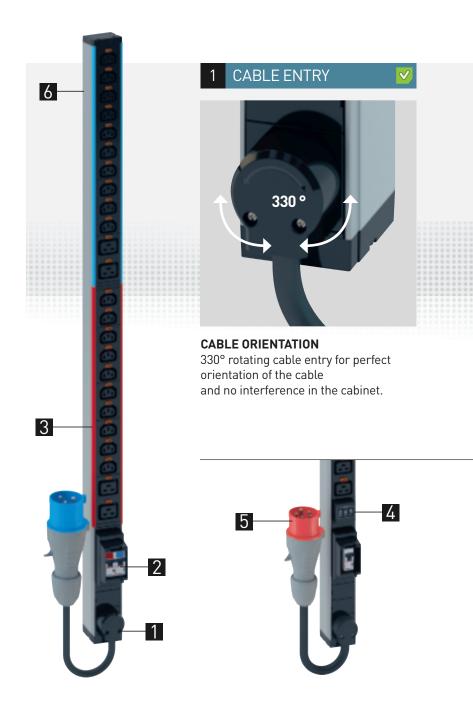
# ZERO-U PDUs

## INNOVATION & PERFORMANCE

## **INNOVATIONS**

EXCLUSIVE Every detail matters! Legrand's unique and novel innovations, including safety features, simplified setup and integration, and consumption indicators, help ensure optimum performance for the ZERO-U range of PDUs.





## VERTICAL INSTALLATION



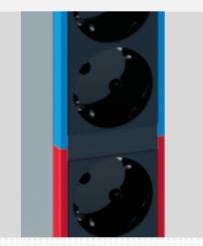
#### 2 MCB HOLDER



#### **ENHANCED PROTECTION**

Circuits protected by MCB. Holder with projecting edges to avoid unintended operation (a cover can be added on request).

#### 3 IDENTIFICATION



#### **COLOUR-CODED CIRCUITS**

Each circuit is colour-coded, with the colour clearly visible on the front panel and along the edges of a module.

The colour corresponds to the specific MCB protecting the circuit.

#### 4 AMMETER



#### **CONSUMPTION INDICATOR**

Consumption is measured to provide better installation management:

- Balancing circuits
- Displaying available capacity
- Power features and overload prevention

#### 5 POWER SUPPLY

There are multiple solutions depending on power supply requirements

16/32 A single-phase

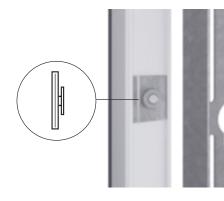


16/32 A three-phase



#### SCREWLESS MOUNTING

ZERO-U PDUs simply clip vertically into slots on the mounting frame without the need for any screws.

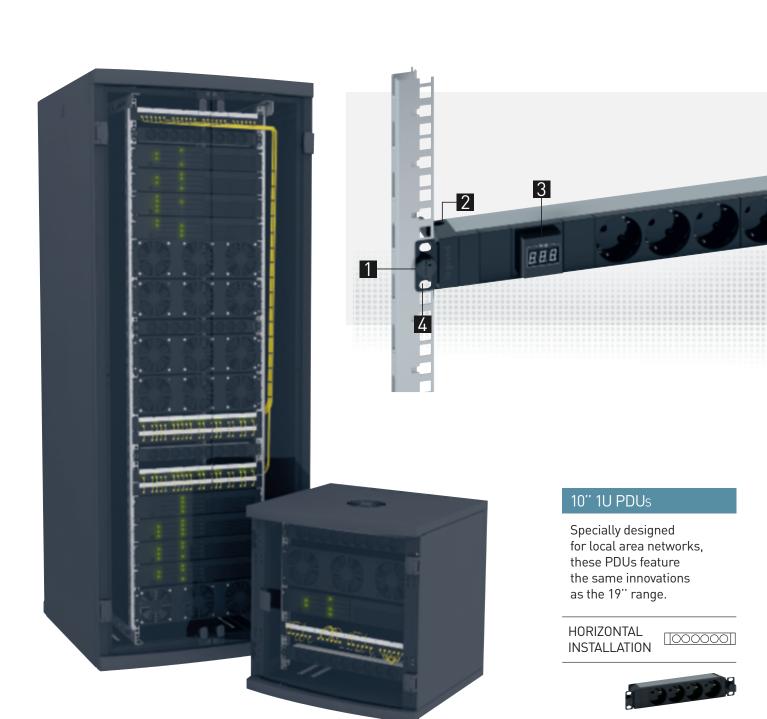




**EXCLUSIVITÉ LEGRAND** 

# 1U PDUs INNOVATION & CONVENIENCE

SIMPLE SETUP AND INTEGRATION The 19" PDUs designed for installation in server and cabling cabinets also incorporate the latest innovations for facilitating integration and maintenance, with clever mounting and operating features.











#### 2 CABLE GUIDE



#### AMMETER





**TOOL-FREE INSTALLATION** 

Quick, tool-free fixing on the 19" uprights. No screws or nuts required.



**OPTIMIZING SPACE** 

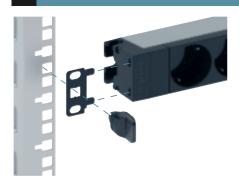
Cables are held firmly in place by a cable guide.

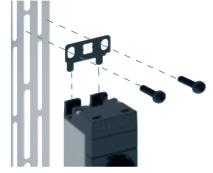


#### **CHANGE OF POSITION**

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

#### **4** MOUNTING SUPPORTS





#### **HORIZONTAL OR VERTICAL**

Designed for horizontal tool-free mounting, 1U PDUs can also be mounted vertically simply by rotating the mounting brackets.

Vertical mounting requires a bolt and nut to affix the PDU firmly to the upright.



**EXCLUSIVE TO LEGRAND** 

# PROTECTION ACCESSORIES

SAFETY AND CONTROL

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



#### 1 OUTLET LOCKING CAP









#### **CONTROLLING ACCESS TO THE POWER SUPPLY**

Locking caps are used to lock access to a socket. A special key is required to unlock it.

Locking caps available for the following standard socket outlets: C13, C19, German, French-Belgian, British











#### 2 SURGE PROTECTION DEVICE



#### **UNINTERRUPTIBLE 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 NEEDS

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 customized configurations - the versatility of our range offers you greater flexibility and responsiveness.





#### **CUSTOMIZED CONFIGURATIONS - ZERO-U AND 19" 1U PDUs**



#### **CHOICE OF FUNCTIONS ON DEMAND**

16/32 A power supply - for single-phase or three-phase PDUs

#### Wide choice of outlet standards:

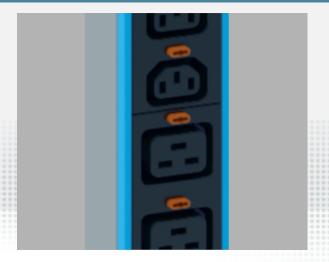
- German, British, French, C13 and C19

#### Termination:

- on terminal block
- on fast or C20 connector
- with power supply cord (lengths, sheath and plug types to be selected)

#### Additional functions:

-MCB, RCBO, fuse, surge protector, switch, power indicator, ammeter, colour-coded circuits for source identification

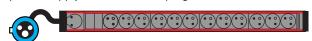


#### **EXAMPLES OF CUSTOMIZED SOLUTIONS**

The modular design means we can build PDUs to specific configurations.



19" 1U PDU with 2 French standard 2P+E outlets, 1 C19 outlet and 6 C13 outlets. Powered via a 3 m power supply cord and a C20 plug.



Zero-U PDU with 12 French standard 2P+E outlets. Red colour coding for identification of PDU. Powered through rotating cable entry via 4.5 m cord and a 16 A IEC 60309 plug.

GREATER
RESPONSIVENESS
FOR ALL YOUR
BESPOKE
SOLUTIONS





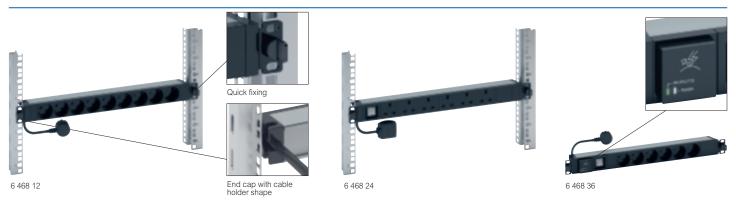
FROM RECEIPT
OF ORDER\*

\* WHEN ORDERING UP TO 100 PRODUCTS

#### **G**legrand

#### **Energy Distribution**

#### 1U Power Distribution Units (PDU)





#### Technical characteristics p. 17

To provide  $^{\circ}$  electric power for IT equipments 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 centres. 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 shutters
- French and German standard outlets are inclined at 55°

Black modules (outlets and functions)

Black modules (outlets and functions)

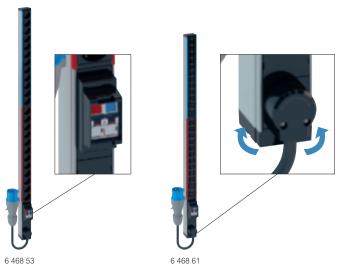
Pack	Cat.Nos	19" - PDU standard	Pack	Cat.Nos	19" - PDU with protection devices
1		German standard 3 m power supply cord with 16 A 2P+E French/ German plug 6 outlets			MCB and RCBO support with projecting edges to avoid accidental breakdown 3 m power supply cord with 16 A 2P+E French/German plug
1	6 468 12	9 outlets  British standard	1	6 468 31	<b>German standard</b> 6 outlets and a 16 A single pole Micro Circuit Breaker
1	6 468 13	3 m power supply cord with 13 A 2P+E British plug 8 outlets	1		French standard 6 outlets and a 16 A single pole Micro Circuit Breaker
		French standard 3 m power supply cord with 16 A 2P+E French/	1	6 468 33	6 outlets and a 16 A 30 mA Residual-current Circuit Breaker with Overcurrent protection
1	6 468 05	German plug 6 outlets			19" - PDU with surge protection
1	6 468 10	9 outlets 9 tamperproof red outlets			Protect against mains overvoltages while keeping outlets energised
	CORD LOCKING SYSTEM	IEC 60320 standard Connection on terminal block (except Cat.No 6 468 15)			With light indicators: - one LED (white) gives information whether the PDI
1	6 468 14	10 C13 outlets with cord locking system 12 C13 outlets with cord locking system			is supplied with power or not - one LED (green) indicates when surge protection
1		3 m power supply cord with 16 A IEC 60309 2P+E 6 C13 outlets + 2 C19 outlets with cord locking			module is efficient or must be replaced Hotswappable surge protection module
1		system 6 C19 outlets with cord locking system			Cat.No 6 468 97 (replacement keeping the PDU anits outlets powered on)
'	0 400 07	10" - PDU standard			With switch 3 m power supply cord with 16 A 2P+E French/
		1 m power supply cord 2P+E French/German plug	1	6 468 36	German plug 6 outlets - German standard
1	6.469.01	4 x 2P+E outlets German standard	1	6 468 35	6 outlets - French standard
1		French standard			<b>19" - PDU with ammeter</b> Measure consumption to provide better installation
					management: balancing circuits, displaying available capacity,
		19" - PDU with power indicator or luminous			preventing overloads and power failures Measure total PDU current
		switch			Rotating display to ensure a perfect reading whatever the PDU mounting direction is (horizontal,
		LED indicator gives information whether the PDU is supplied with power or not			vertical with top or bottom power supply input)
		LED indicator switch powers on/off the total PDU  German standard			German standard 3 m power supply cord with 16 A 2P+E French/
		3 m power supply cord with 16 A 2P+E French/ German plug	1	6 468 41	German plug 6 outlets
1	6 468 21 6 468 23	9 outlets and 1 power indicator 8 outlets and 1 luminous switch			French standard 3 m power supply cord with 2P+E French/German plu
	0 100 20	British standard	1		6 outlets
1	6 468 24	3 m power supply cord with 13 A 2P+E British plug 6 outlets and 1 luminous switch		CORD LOCKING SYSTEM	IEC 60320 standard With integrated universal plug locking system
		French standard 3 m power supply cord with 16 A 2P+E French/	1	6 468 43	Connection on terminal block 6 C13 outlets with cord locking system
,	0.400.00	German plug	1	6 468 45	6 C13 outlets + 1 C19 outlet with cord locking syste 6 C19 outlets with cord locking system
1		9 outlets and 1 power indicator 8 outlets and 1 luminous switch		0 100 14	o o to outlots with oord looking system

Pack	Cat.Nos	19" - 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
1	6 468 31	<b>German standard</b> 6 outlets and a 16 A single pole Micro Circuit Breaker
1 1	6 468 30 6 468 33	French standard 6 outlets and a 16 A single pole Micro Circuit Breaker 6 outlets and a 16 A 30 mA Residual-current Circuit Breaker with Overcurrent protection
		19" - PDU with surge protection
1 1		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 Hotswappable surge protection module Cat.No 6 468 97 (replacement keeping the PDU and its outlets powered on) With switch 3 m power supply cord with 16 A 2P+E French/ German plug 6 outlets - German standard 6 outlets - French standard
		19" - 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)
1	6 468 41	German standard 3 m power supply cord with 16 A 2P+E French/ German plug 6 outlets
		French standard



#### **Energy Distribution**

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



Technical characteristics p. 17-19

To provide  $\sim$  electric power for IT equipments in 19" enclosures Single phase 230 V - 50/60 Hz power supply

Zero-U PDU for vertical mounting in the cabinet (see p. 18-19 for dimensions) PDU 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

330° rotating cable input for a perfect orientation of the cable and no interference in the cabinet 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 shutters

French and German standard outlets are inclined at 55

Delivered with 2 sets of metallic mounting brackets (see details p. 18-19):

- Button brackets. For quick fixing and variable pitch - Standard brackets. For screw fixing

Black modules (outlets and functions). Aluminium profile

Pack	Cat.Nos	Standard
1	6 468 52	German standard 24 outlets Connection on terminal block up to 6 mm <sup>2</sup>
1	6 468 53	24 outlets 3 m power supply cord with IEC 60309 32 A 2P+E plug
1	6 468 54	<b>British standard</b> 24 outlets Connection on terminal block up to 6 mm <sup>2</sup>
1	6 468 50	French standard 24 outlets Connection on terminal block up to 6 mm <sup>2</sup>
1	6 468 51 cord	24 outlets 3 m power supply cord with IEC 60309 32 A 2P+E plug
1	LOCKING SYSTEM	IEC 60320 standard 24 C13 outlets with cord locking system
1		Connection on terminal block up to 6 mm <sup>2</sup> 24 C13 outlets with cord locking system
1	6 468 60	3 m power supply cord with IEC 60309 32 A 2P+E plug 20 C13 outlets + 4 C19 outlets with cord locking system. Connection on terminal block up to 6 mm2
1	6 468 61	
		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)

system. Connection on terminal block up to 6 mm<sup>2</sup>

6 468 65 20 C13 outlets + 4 C19 outlets with cord locking

IEC 60320 standard

#### **Energy Distribution**

#### three phase Zero-U Power Distribution Units (PDU)



Technical characteristics p. 17-19

To provide  $\sim$  electric power for IT equipments in 19" enclosures Three phase 380 V - 50/60 Hz power supply

Zero-U PDU for vertical mounting in the cabinet (see p. 18-19 for dimensions) 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
- Standard brackets. For screw fixing

- Black modules (outlets and functions) Aluminium profile

Pack	Cat.Nos	Standard
1	CORD LOCKING SYSTEM 6 468 70	
		With ammeter
	CORD	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)
1	6 468 75	IEC 60320 standard  18 C13 outlets + 6 C19 outlets with cord locking system. 3 m power supply cord with IEC 60309 32 A 3P+N+E plug



Cord locking system p. 17



#### **Energy Distribution - Power Distribution** units (PDU) accessories and multi-application DIN rail

#### **Customized solutions**

zero-U PDU and 1U 19"





6 468 90



0 465 46 + 0 465 47

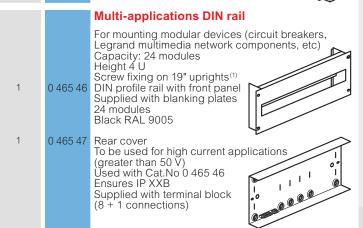


#### Technical characteristics p. 17-19

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" Conseity 16 Massis modules
1	6 468 98	Capacity: 16 Mosaic modules PDU 10" Capacity: 8 Mosaic modules
		PDU accessories
		Laskinasana

		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 and German standard outlet + 1 key
1	6 468 92	Set of 6 locking caps for British standard outlet + 1 key
1		Set of 6 locking caps for C13 standard outlet + 1 key
1		Set of 6 locking caps for C19 standard outlet + 1 key
		Surge protection module To replace used module on PDU 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

Hotswappable: replacement keeping the PDU and its outlets powered on 6 468 97 Surge protection replacement moďulė



#### **♦** CHOICE OF FUNCTIONS

16/32 A power supply - for single phase or three phase PDU

#### Wide choice of outlets standards

- German
- British
- French
- C13
- C19

#### Termination:

- on terminal block
- on fast or C20 connector
- with power supply cord (lengths, sheath types and plug types to

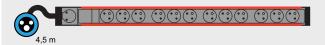
#### Additional functions:

- MCB, RCBO, fuse, surge protector
- switch
- power indicator
- identification of sources or circuits by color coding

#### **EXAMPLES OF CUSTOMIZED SOLUTIONS**



19" 1U PDU with 2 French standard 2P+E outlets, 1 C19 outlet and 6 C13 outlets. Powered with a 3 m power supply cord and a C20 plug



Zero-U PDU with 12 French standard 2P+E outlets. Red color coding for identification of PDU. Powered through rotating cable input via 4.5 m cord and a 16 A IEC 60309 plug

Request a quotation from our technical team

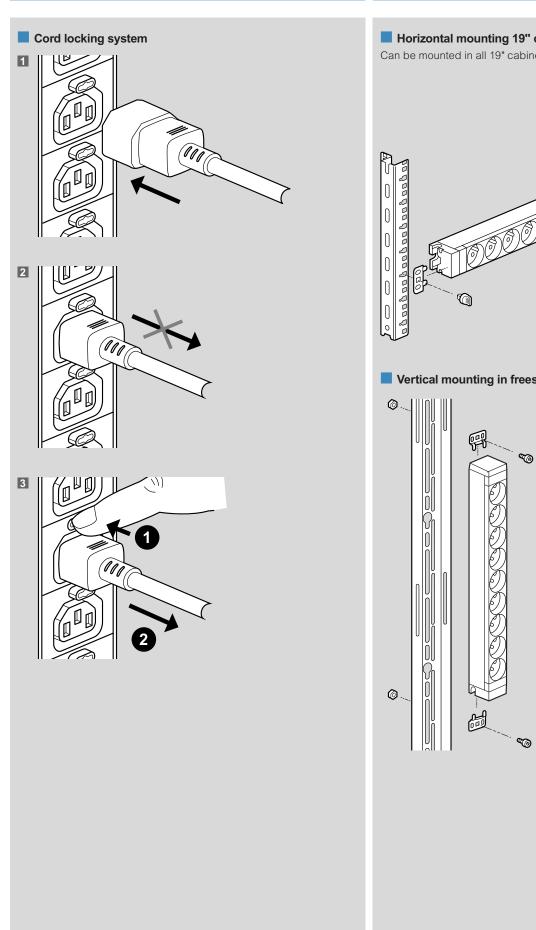


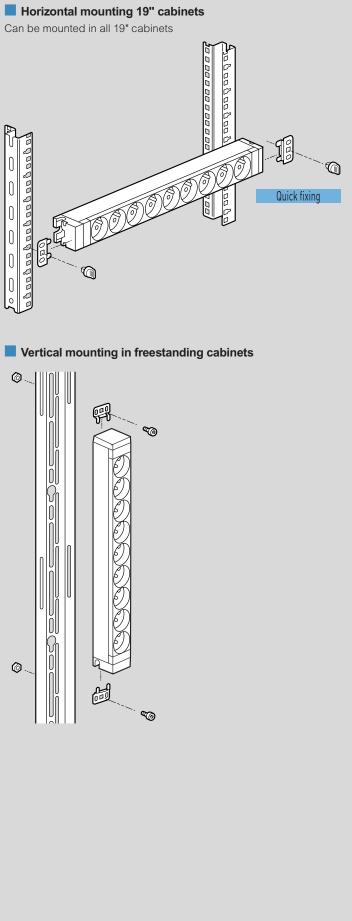
#### **Energy distribution**

cord locking system

#### **Energy distribution**

19" 1U PDU mounting

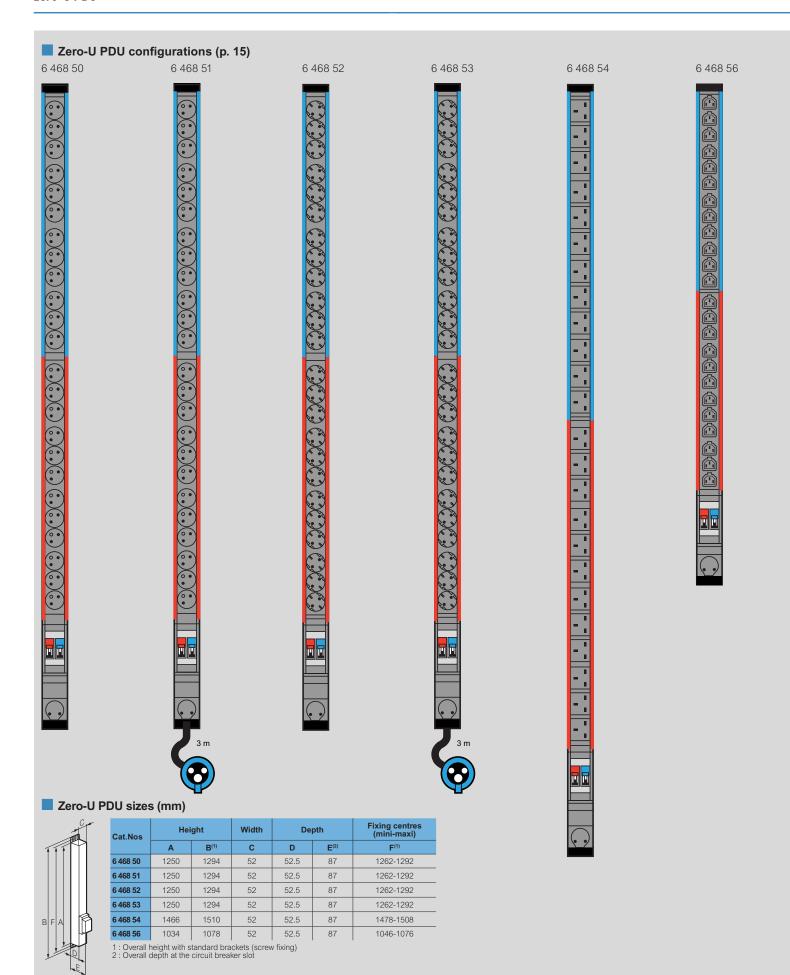


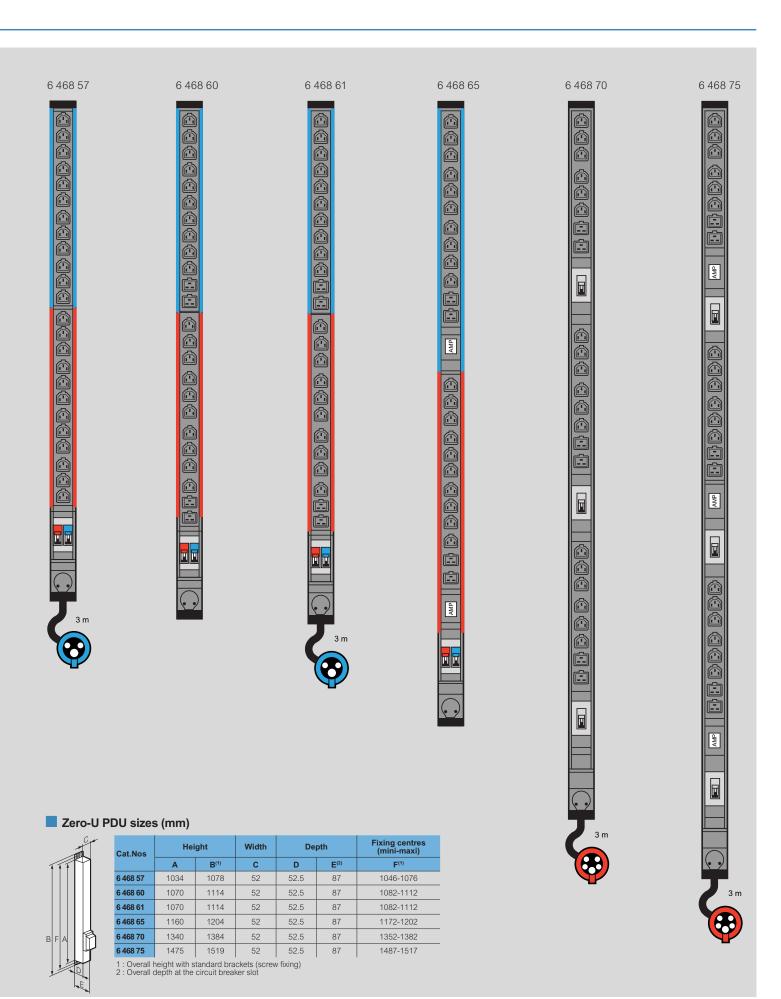




#### **Energy distribution**

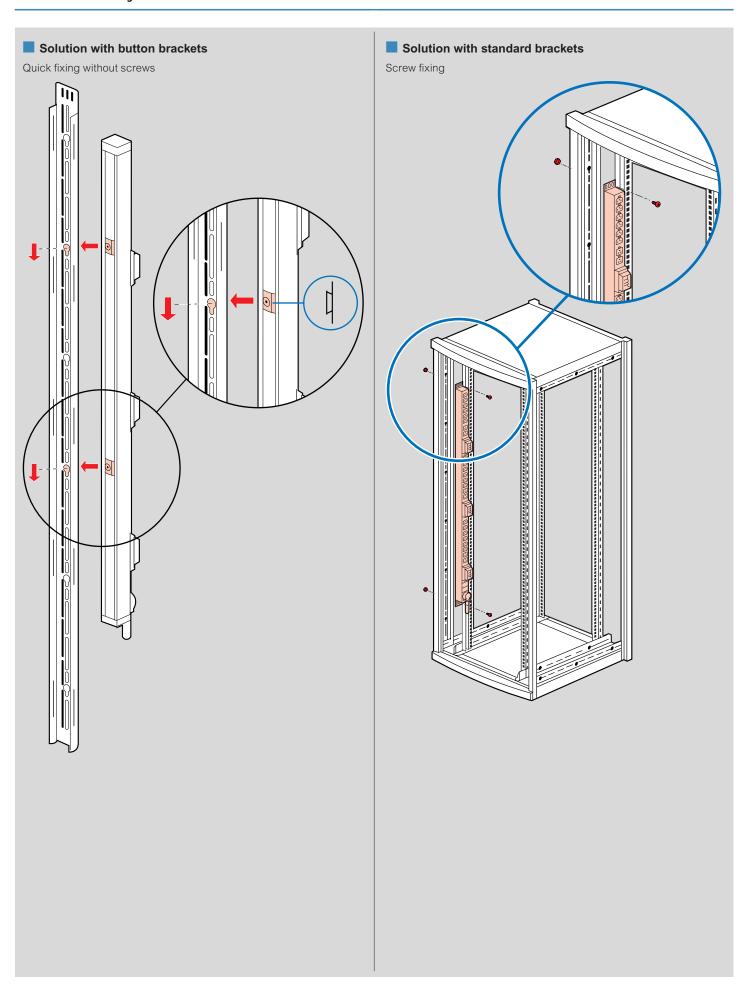
#### zero-U PDU





#### **Energy distribution**

zero-U PDU mounting in cabinets





#### Catalogue number index

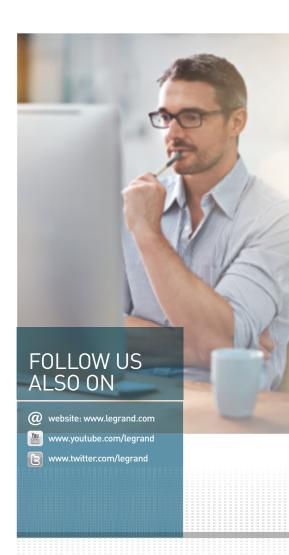
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47	-	1			
6 468 00					
6 468 00	14	1			
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05	-	1			
06	-	1			
07	-	1			
09	-	1			
10	-	1			

Cat.Nos	Page N°	Pack
6 468 11	14	1
12	-	1
13	-	1
14	-	1
15	-	1
20	-	1
21	-	1
22	-	1
23	-	1
24	-	1
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43	-	1
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45	-	1
50	15	1
51	-	1
52	-	1
53	-	1
54	-	1
56	-	1

Cat.Nos	Page N°	Pack
6 468 57	15	1
60	-	1
61	-	1
65	-	1
70	-	1
75	-	1
90	16	1
92	-	1
94	-	1
95	-	1
97	-	1
98	-	1
99	-	1





## **la legrand**

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