



# RACK PDU

Compact and reliable power distribution unit  
monitored and managed rack PDU

Power Management  
Solution

## The solution for

- > Data center rack cabinet
- > Networking infrastructure
- > Computer rooms



Ensuring efficient load development and power supply flexibility in server rooms is becoming increasingly important, which is why SOCOMEC offers a variety of PDUs for rack applications. SOCOMEC PDUs in 0U configuration (single-phase or three-phase) with metered or monitored technology, and PDUs in 1U configuration (still single-phase but with single or dual power supply) with managed technology, allow IT managers to find the configuration best suited to their requirements.

The ADD-IN SNMP module (available as an option), allows the remote control and monitoring of the PDUs via LAN network.

## Metered or monitored Zero-U vertical PDU

With only one single-phase or three-phase input, these PDUs guarantee reliable power distribution for equipment with small and medium-scale energy requirements integrated into rack cabinets. The PDU does not require the installation of 'U space' due to its vertical position on the rear of the rack cabinet, and simplifies the electrical connection of many devices, saving time during fitting procedures and offering easy power supply configuration adjustment. The numerous output sockets and their positioning help this PDU fit perfectly into high density network solutions.

Using two PDUs in the same rack cabinet allows the development of a redundant architecture typical of critical applications which use dual cord electronic devices.

## Monitoring and supervision

The two-digit LED display allows an easy reading and monitoring of the current consumption.

The reverse display function allows the cable input both from above and below, ensuring a proper reading in every installing position.

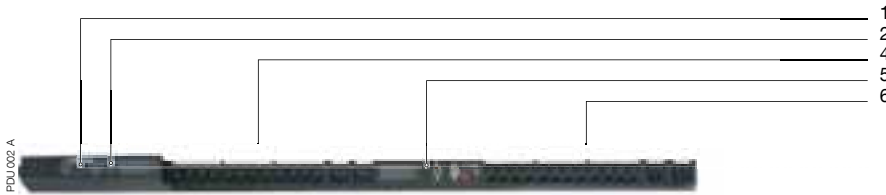
## Managed 1U PDU

These PDUs, which have one or two single-phase inputs, are ideal for mission critical power distribution for equipment with small and medium-scale energy requirements integrated into rack cabinets. The extremely compact solution in a single rack unit allows installation inside the rack while guaranteeing at-a-glance data viewing via the display on the front panel. These PDUs offer an extremely sophisticated level of monitoring and management, meaning server consumption for each output socket can be measured as both instantaneous and cumulative values (current, energy and power factor) and recorded in log files which can be consulted and downloaded easily via a web interface. The individual sockets can also be controlled remotely (switch-on, switch-off or power-cycle), both manually and via the web interface or the remote console, or even in a scheduled manner.

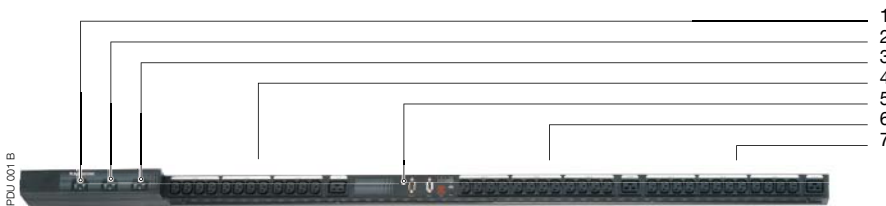
Up to 5 PDUs can be connected in a 'daisy chain' configuration, allowing the control and monitoring of all PDUs from a single access point, transforming the PDUs into a real power management system. Extensive communication capability (web browser, NMS, Telnet, SNMP, HyperTerminal, SMTP, SSL V3, SSH V1), and the use of 'secure' protocols and multi-account management make it an ideal device for power management in IT applications.

## Zero-U PDU

### Connections



Single-phase model



Three-phase model

1. ON-OFF switch segment #1
2. ON-OFF switch segment #2
3. ON-OFF switch segment #3
4. Output connectors segment #1
5. Front panel
6. Output connectors segment #2
7. Output connectors segment #3

### Communication options

PDU VISION, WEB/SNMP manager interface for the connection to the LAN network. The device - suitable for remote monitoring – can be integrated into the PDU.



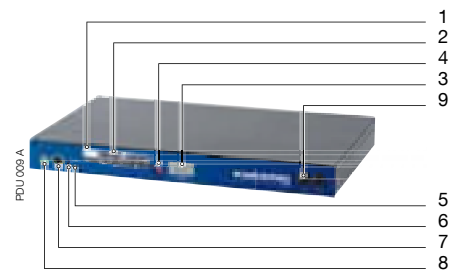
PDU008 A

### Technical data

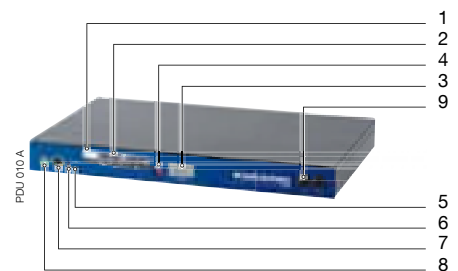
Zero-U PDU		
Item code	NRT-OP-PDU1-28	NRT-OP-PDU3-39
Input / output	1/1	3/1
<b>INPUT</b>		
Rated voltage	200-240 V (1ph)	346-415 V (3ph, Y+N)
Rated frequency	50/60 Hz	
Rated current	32 A (1ph)	16 A (3ph)
Connector	IEC309-32 A	IEC309-16 A
<b>OUTPUT</b>		
Rated voltage	200-240 V	
Connectors	(24) IEC320-C13, (4) IEC320-C19	(36) IEC320-C13, (3) IEC320-C19
<b>COMMUNICATION</b>		
Interfaces	RS232 - (WEB/SNMP optional)	
Environmental sensor	•	
<b>ENVIRONMENT</b>		
Operating ambient temperature	0 to 45 °C	
Relative humidity	5% to 95% without condensation	
Maximum altitude	operating: up to 2000 m	
<b>RACK PDU</b>		
Dimensions W x D x H	48 x 1250 x 50 mm	48 x 1560 x 50 mm
Weight	5.4 kg	6.0 kg

iPDU		
Item code	PDU1U-I116-I011	PDU1U-I116-I012
Input / output	1/1	
<b>INPUT</b>		
Rated voltage	200-240 V (1ph)	
Rated frequency	50/60 Hz	
Rated current	16 A (1ph)	2x 16 A (1ph)
Connector	IEC320 C20	2x IEC320 C20
<b>OUTPUT</b>		
Rated voltage	200-240 V	
Connectors	(12) IEC320-C13	(6+6) IEC320-C13
<b>COMMUNICATION</b>		
Interfaces	RS 232 - WEB/SNMP	
<b>ENVIRONMENT</b>		
Operating ambient temperature	0 to 50 °C	
Relative humidity	10% to 80% without condensation	
Maximum altitude	operating: up to 2000 m	
<b>RACK PDU</b>		
Dimensions W x D x H	436 x 300 x 44 mm (1U)	
Weight	2.0 kg	

## iPDU



Front Panel of 2-inlet Model



Front Panel of 1-inlet Model

1. Input power status indicator
2. Output power status indicator (A÷L)
3. Status indicator
4. Daisy-chaining Mode DIP Switch (C-link DIP)
5. Reset button
6. Operation mode DIP switch
7. Serial (CONSOLE) Port
8. Digital output
9. Breaker