

CONNECT AND PROTECT

Power Control
Socket Strips

nVent
SCHROFF

Cabinet Accessories – Power Control socket

OVERVIEW

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RackPowerPDUs_os

Cabinet Accessories – Power Control socket

OVERVIEW

Overview **3.72**

Power Management

- **Monitoring of power, current and voltage of the entire socket strip or for each separate socket insert**
- **Telemonitoring and local indication via display**
- **Remote control of individual inserts (switch on/off)**
- **Programmable sequential switch-on/off of individual inserts**
- **Individual user access authorisations for each socket insert**



RackPowerPDUs_os

Telemonitored and remote-controlled socket strips

- RackPower Intelligent Power Distribution Units werden auftragsbezogen konfiguriert. Sie ermöglichen das Energiemanagement in Schränken, Open Frame Racks und Wandgehäusen. Erstellen Sie Ihre individuelle schrankbasierte Stromverteilungslösung. Die Einheiten sind für den Einbau horizontal
(19'' Einschub) oder vertikal erhälltlich

Remote-controlled socket strips, telemonitored on each phase **3.77**



NPDV_NPDH_IPdongles_os

Environmental sensors

- Sensors (temperature, humidity, differential pressure, airflow...) and hub for connecting multiple sensors, see from page 3.49

Power management software **3.76**



NPS1_NPS2_Sensors_os

ServicePLUS

e.g. individual configuration (dimensions, socket inserts, mains supply)

RACKPOWER PDU SINGLE/MULTI PHASE (RACK- OR PANEL MOUNT)



RackPowerPDUs_os

RackPower Intelligent Power Distribution Units are a configured to order product that addresses controlling power on Cabinets as well as Open Frame Racks and Wall-Mount enclosures. Design your power solution using a variety of configuration options. The units are available in horizontal 19-in. rack or vertical mounting capabilities and a broad range of features.

- Single or multi-phase
- Input voltages: European and Asia 230 V_{AC} or 400 V_{AC}
- Global plug and receptacles NEMA and IEC rated
- 5 Configuration types: RP3000, RP2000, RP1500, RP1000, RP100
- External communications and monitoring ? protected and secure LAN connections
- Local and remote power monitoring of single outlets and circuits showing data for current (AMP), voltage (Volt), power (kW), energy consumption (kWh) and power factor of entire PDU with a metering accuracy to within +/- 1%
- Field Replaceable "Hot swappable" Smart Monitor (RP-Meter) and DC Module
- Remote power on/off switch
- 19" Rack Mounting (1 and 2 U offering)
- Versatile vertical / rack and cabinet mounting
- Surge protection
- Dual Power feed entry for single phase RackPower PDUs
- Temperature sensor or temperature & humidity sensor
- Power cord whip various lengths, color and plugs
- To configure your PDU, go to http://schroff.biz/PDU_Webapp/

DELIVERY INCLUDES

Item	Qty	Description
1	1	Steel housing, standard is black, other finishes available
2	1	Various cord length and plug styles available; also available in LSZH (low smoke zero halogen)
3	1	Mounting hardware

NOTE

- Industrie Standards:
  UL Listed File E309439 UL 60950-1 Information Technology Equipment cUL Listed File E309439 CSA-C22.2 No. 60950-1 Information Technology Equipment FCC, CE, RoHs, REACH

RACKPOWER PDU SINGLE/MULTI PHASE (RACK- OR PANEL MOUNT)

Features	RP3000	RP2000	RP1500	RP1000	RP100
Outlet mesurement	Yes		Yes		
Outlet switch ON/OFF	Yes	Yes			
SNMP-Hardware	Yes	Yes	Yes	Yes	
Strip level measurement	Yes	Yes	Yes	Yes	Yes

ORDER INFORMATION

Description	Input	Number of outputs	Length mm	Part no.
RP3000	230 V_{AC}, 16 A	8 x SCHUKO	437.5	**60110-462**
RP3000	230 V_{AC}, 16 A	8 x BS	437.5	**60110-463**
RP3000	230 V_{AC}, 16 A	8 x IEC C13	437.5	**60110-461**
RP3000 with RCM	230 V_{AC}, 16 A	20 x IEC C13	1350	**60110-457**
RP3000	230 V_{AC}, 16 A	20 x IEC C13	1350	**60110-456**
RP3000	230 V_{AC}, 32 A	20 x IEC C13, 4 x IEC C19	1350	**60110-458**
RP2000	230 V_{AC}, 16A	20 x IEC C13, 4 x IEC C19	1350	**60110-465**
RP2000	230 V_{AC}, 16 A	20 x IEC C13	1350	**60110-464**
RP1500	230 V_{AC}, 16 A	20 x IEC C13	1350	**60110-467**
RP1000, 2 supply cables	230 V_{AC}, 16 A	20 x IEC C13, 20 x IEC C13	1350	**60110-470**
RP1000	230 V_{AC}, 16 A	20 x IEC C13	1350	**60110-468**
RP1000	230 V_{AC}, 32 A	20 x IEC C13, 4x IEC C19	1350	**60110-469**
R3000	400 V_{AC}, 32 A	21 x IEC C13, 3 x IEC C19	1700	**60110-459**
R3000 with RCM	400 V_{AC}, 32 A	21 x IEC C13, 3 x IEC C19	1700	**60110-460**
RP2000	400 V_{AC}, 32 A	21 x IEC C13, 3 x IEC C19	1700	**60110-466**
RP1000	400 V_{AC}, 32 A	21 x IEC C13, 3 x IEC C19	1700	**60110-471**

Accessories	
IP Gateway for PDU (vertical mounting) 1 piece	NPDV
IP Gateway for PDU (horizontal / 19" mounting) 1 piece	NPDH
Temperature sensor for PDU 1 piece	NPS1
Combination sensor, temperature and humidity sensor for PDU 1 piece	NPS2



NPDV_NPDH_IPdongles_os

IP Gateway (horizontal / 19 "mounting and vertical)

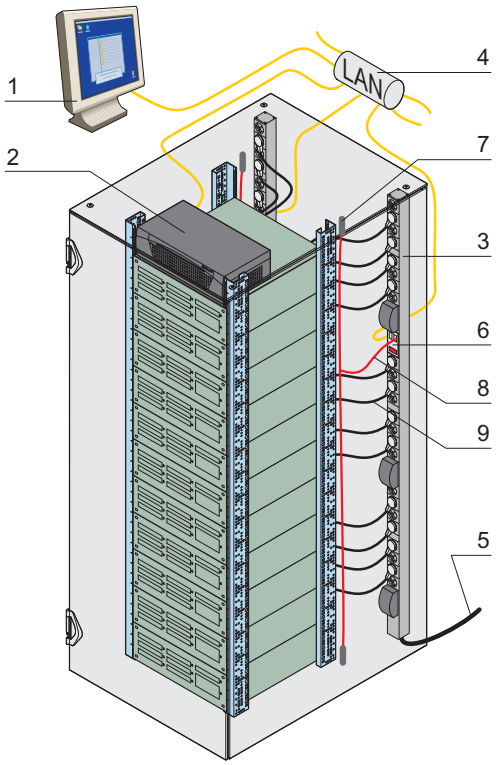


NPS1_NPS2_Sensors_os

Temperature sensor and combination sensor (temperature and humidity)

Part number in bold face type: ready for shipping within 2 working days
Part number in normal type: ready for shipping within 10 working days

POWER MANAGEMENT SOFTWARE



Cabling example	
Item	Description
1	Real-time monitoring of web graphical user interface (GUI)
2	Existing customer server or an optionally available hardware system on which the software is installed
3	Telemonitored and remote-controlled socket strip, available with IEC C13 and C19 socket inserts
4	Linking of items 1, 2 and 3 to LAN
5	CEE power connection cable available with 230 V_{AC} (16 A or 32 A) or 400 V_{AC} (16 A and 32 A) supply
6	Local display
7	Telemonitored environmental sensors
8	Connection of sensors to socket strip
9	Mains cable, from socket strip to consumer (e.g. server)

Energy management with Power IQ®

- Centralised administration with mass configuration, firmware administration and designation of outputs
- Create energy, cost and active current reports at levels from individual plugs or IT devices through to the entire data centre
- Export graphical data
- Aggregate data from different manufacturers

ORDER INFORMATION

Description	Part no.
Power management software	on request

Part number in bold face type: ready for shipping within 2 working days
Part number in normal type: ready for shipping within 10 working days

North America

Warwick, RI, USA
Tel +1.800.525.4682
San Diego, CA, USA
Tel +1.800.854.7086

Europe, Middle East & India

Straubenhardt, Germany
Tel +49 7082 794 0
Betschdorf, France
Tel +33 3 88 90 64 90
Warsaw, Poland
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Hemel Hempstead,
Great Britain
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Lainate, Italy
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