

INTELLIGENT & BASIC POWER DISTRIBUTION UNITS



MONITORED PDU

➤ The Conteg Intelligent & Basic Power product range comprises three different technologies to address the needs of high-density computing users.

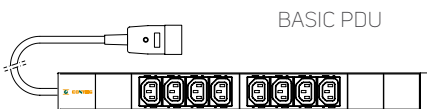
MAIN ADVANTAGES

- Remotely monitors current draw per strip, using Ethernet and IP (Monitored range)
- Fully manages power strips and groups of power strips across the network (Managed range)
- Offers a combination of outlets, including national outlet styles combined with industrial outlets, high-amperage inputs, and both 1- and 3-phase powered models
- Superior PDU series (IP-S..) adaptable to current and future needs
 - Hybrid technology of access – Ethernet and data bus connections
 - Flexible, excellent PDU with high accuracy

Comparison	BASIC		MONITORED			MANAGED		
	DP-RP	IP-BA	IP-DMI	IP-DEI	IP-SEI	IP-DMA	IP-DEA	IP-SEA
Basic	yes	yes	-	-	-	-	-	-
Metered (electric current only)	-	-	yes	-	-	yes	-	-
Metered (V, A, f, PF, kVA, kW, kWh)	-	-	-	yes	yes	-	yes	yes
Switching of individual outlets	-	-	-	-	-	yes	yes	yes
Master-Slave connection	-	-	-	-	yes	-	-	yes
SNMP	-	-	yes	yes	yes	yes	yes	yes
Modbus TCP	-	-	-	-	yes	-	-	yes

All models withPOM in the ordering matrix allow the per outlet monitoring functionality

BASIC POWER



BASIC PDU

- Designed for standard applications without standard safety or operational requirements (see above). Provide reliable power to cabinet for standard environments.
- Types:
 - a) 19" mounting
 - b) 10" mounting
 - c) Free-standing
 - d) Vertical mounting (OU)
- Outlet types: UTE, SCHUKO, UK, IEC320 C13, IEC320 C19
- Other outlet types (in combination with surge protection and ammeter) also available
- Power output:
 - SCHUKO, UTE, IEC320 C19: 16 A, 250 V
 - UK: 13 A, 250 V
 - IEC320 C13: 10 A, 250 V
- Power input:
 - All types, with 3 m power cord
 - Plug for PDU (UK outlets)
 - Schuko/UTE plug for all other PDUs

BASIC POWER DISTRIBUTION UNITS – STANDARD ENVIRONMENT						
Code	Mounting	H (in U)	Outlet type	Qty	Over voltage protection	Switch
DP-RP-02-UK	10"	1	UK	2	-	-
DP-RP-03-UTE	10"	1	UTE	3	-	-
DP-RP-03-SCHU	10"	1	SCHUKO	3	-	-
DP-RP-06-UTESP*	19"	2	UTE	6	yes	yes
DP-RP-06-SCHUSP*	19"	2	SCHUKO	6	yes	yes
DP-RP-06-UTESP-F	Free	-	UTE	6	yes	yes
DP-RP-06-SCHUSP-F	Free	-	SCHUKO	6	yes	yes
DP-RP-06-UKS	19"	1	UK	6	-	yes

* Panels may contain HF filter (models DP-RP-06-UTEFH, DP-RP-06-SCHUPH)

BASIC POWER DISTRIBUTION UNITS – STANDARD ENVIRONMENT						
Code	Mounting	H (in U)	Outlet type	Qty	Over voltage protection	Switch
DP-RP-07-UK	19"	1	UK	7	–	–
DP-RP-08-UTES	19"	1	UTE	8	–	yes
DP-RP-08-SCHUS	19"	1	SCHUKO	8	–	yes
DP-RP-09-UTE	19"	1	UTE	9	–	–
DP-RP-09-SCHU	19"	1	SCHUKO	9	–	–
DP-RP-09-IECC19	19"	1	IEC320 C19	9	–	–
DP-RP-12-IECC13	19"	1	IEC320 C13	12	–	–
DP-RP-20-IECC19	Vertical	–	IEC320 C19	20	–	–
DP-RP-20-IECC13	Vertical	–	IEC320 C13	20	–	–
DP-RP-20-SCHUV	Vertical	–	SCHUKO	20	–	–
DP-RP-20-UTEV	Vertical	–	UTE	20	–	–



DP-RP-09-UTE



DP-RP-09-SCHU



DP-RP-12-IECC13

Basic Power Distribution Units are designed for high-density, mission-critical server applications. These models provide reliable power to the cabinet for both standard and blade server environments.

BASIC POWER DISTRIBUTION UNITS – STANDARD AND BLADE SERVER ENVIRONMENTS											
Code	Input plug	Length (m)	Type 1 outlet	Qty type 1 outlet	Type 2 outlet	Qty type 2 outlet	Rating (A)	Mounting	Dimensions (mm)		
									H	W	D
IP-BA-308UK8C916	EN 60309	3	UK	8	C19	8	16	OU	860	44	44
IP-BA-312UK8C316	EN 60309	3	UK	12	C13	8	16	OU	985	44	44
IP-BA-308SH8C916	EN 60309	3	SCHUKO	8	C19	8	16	OU	722	44	44
IP-BA-312SH8C316	EN 60309	3	SCHUKO	12	C13	8	16	OU	777	44	44
IP-BA-308UT8C916	EN 60309	3	UTE	8	C19	8	16	OU	780	44	44
IP-BA-312UT8C316	EN 60309	3	UTE	12	C13	8	16	OU	865	44	44
IP-BA-320C34C916	EN 60309	3	C13	20	C19	4	16	OU	908	44	44
IP-BA-C20C34C916	C20	3	C13	20	C19	4	16	OU	908	44	44
IP-BA-C08C300010	C14	3	C13	8	None	0	10	1U	439	44	44
IP-BA-C08C300016	C20	3	C13	8	None	0	16	1U	439	44	44
IP-BA-320C34C932	EN 60309	3	C13	20	C19	4	32	OU	1038	44	44
IP-BA-306C900011	EN 60309	3	C19*	6	None	0	3×16	1U	439	44	44
IP-BA-306SH00011	EN 60309	3	SCHUKO	6	None	0	3×16	1U	439	44	44
IP-BA-306UT00011	EN 60309	3	UTE	6	None	0	3×16	1U	439	44	44
IP-BA-306C900022	EN 60309	3	C19*	6	None	0	3×32	1U	439	44	145
IP-BA-318C36C911	EN 60309	3	C13	18	C19	6	3×16	OU	996	44	44
IP-BA-324C36C922	EN 60309	3	C13	24	C19	6	3×32	OU	1673	44	44

* C19 sockets with lock mechanism (IEC lock)

INTELLIGENT POWER - MONITORED

- Feature an easy-to-read local ammeter (on the outlet strip), along with the ability to monitor the current draw of outlets remotely over an Ethernet connection. Users can access information from thousands of intelligent Power Distribution Units (PDU) in one location. Designed for high-

density, mission-critical server applications, Conteg Monitored PDUs provide reliable power to the cabinet for both standard and blade server environments.

- Enhanced version offers voltage and frequency metering, enabling reportage of power factor,

active and apparent power and main energy consumed (in kWh). Also calculates carbon emission data (CO₂ footprint) and consumed energy price estimates.



MONITORED PDU

INTELLIGENT POWER DISTRIBUTION UNITS – MONITORED

Code	Input plug	Length (m)	Type 1 outlet	Qty type 1 outlet	Type 2 outlet	Qty type 2 outlet	Rating (A)	Mounting	Dimensions (mm)		
									H	W	D
IP-DMI-008C300016	C20	x ¹	C13	8	x	x	16	1U	432	44	90
IP-DMI-021C33C916	C20	x ¹	C13	21	C19	3	16	0U	645	44	56
IP-DMI-314C32C932	EN 60309	3	C13	14	C19	2	32	0U	1245	44	56
IP-DMI-321C33C932	EN 60309	3	C13	21	C19	3	32	0U	1645	44	56
IP-DMI-321C33C911	EN 60309	3	C13	21	C19	3	3x16	0U	1778	44	56
IP-DMI-318C36C922	EN 60309	3	C13	18	C19	6	3x32	0U	1778	44	56

INTELLIGENT POWER DISTRIBUTION UNITS – ENHANCED MONITORED (kWh)

IP-DEI-008C300016	C20	x ¹	C13	8	x	x	16	1U	432	44	90
IP-DEI-321C33C932	EN 60309	3	C13	21	C19	3	32	0U	1645	44	56

¹INPUT power cords must be ordered separately

INTELLIGENT POWER DISTRIBUTION UNITS – SUPERIOR SERIES – MONITORED

Code	Input plug	Length (m)	Type 1 outlet	Qty type 1 outlet	Type 2 outlet	Qty type 2 outlet	Rating (A)	Mounting	Dimensions (mm)		
									H	W	D
IP-SEI-008C300016	C20	x ¹	C13	8	x	x	1x16	1.5U	440	65	112
IP-SEI-018C36C916	C20	x ¹	C13	18	C19	6	1x16	0U	900	65	56
IP-SEI-318C36C932	EN 60309	3	C13	18	C19	6	1x32	0U	980	65	56
IP-SEI-336C36C932	EN 60309	3	C13	36	C19	6	1x32	0U	1410	65	56
IP-SEI-336C36C911	EN 60309	3	C13	36	C19	6	3x16	0U	1385	65	56
IP-SEI-336C36C922	EN 60309	3	C13	36	C19	6	3x32	0U	1560	65	56

¹ INPUT power cords must be ordered separately

The PDU type IP-SEI are not equipped by brackets which need to be ordered separately.

INTELLIGENT POWER – MANAGED



MANAGED PDU

- The leading edge in functionality available in a PDU. Employing a server-grade microprocessor, this product has unprecedented management and monitoring capabilities (available through the built in web-server and firewall).
- Individual on/off outlets enable remote reboot of servers
- Virtual grouping of outlets for single-click reboot of multi-corded servers
- Single-click control of entire racks or non-critical loads
- Current monitoring per outlet (POM)
- User-definable sequencing of outlets for reboot
- Designed for high-density, mission-critical server applications, Conteg Managed PDUs provide reliable power to cabinets in both standard and blade-server environments.
- Enhanced version offers voltage and frequency metering, enabling reportage of power factor, active and apparent power and main energy consumed (in kWh). Also calculates carbon emission data (CO₂ footprint) and consumed energy price estimates.

INTELLIGENT POWER DISTRIBUTION UNITS – MANAGED (MONITORED PER OUTLET)

Code	Input plug	Length (m)	Type 1 outlet	Qty type 1 outlet	Type 2 outlet	Qty type 2 outlet	Rating (A)	Mounting	Dimensions (mm)		
									H	W	D
IP-DMA-008C3POM16 ²	C20	x ¹	C13	8	x	x	16	1U	432	44	90
IP-DMA-308C9POM32	EN 60309	3	C19	8	x	x	32	1U	432	44	90

INTELLIGENT POWER DISTRIBUTION UNITS – ENHANCED MONITORED (KWH)

IP-DEA-308C9POM32	EN 60309	3	C19	8	x	x	32	1U	432	44	90
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¹ INPUT power cords must be ordered separately

² POM (power outlet monitored); each metered separately

INTELLIGENT POWER DISTRIBUTION UNITS – MANAGED (MONITORED PER STRIP)											
Code	Input plug	Length (m)	Type 1 outlet	Qty type 1 outlet	Type 2 outlet	Qty type 1 outlet	Rating (A)	Mounting	Dimensions (mm)		
									H	W	D
IP-DMA-008C300016	C20	x ¹	C13	8	x	x	16	1U	432	44	90
IP-DMA-021C33C916	C20	x ¹	C13	21	C19	3	16	0U	1778	44	56
IP-DMA-314C32C932	EN 60309	3	C13	14	C19	2	32	0U	1245	44	56
IP-DMA-321C33C932	EN 60309	3	C13	21	C19	3	32	0U	1778	44	56
IP-DMA-318C36C911	EN 60309	3	C13	18	C19	3	3x16	0U	1778	44	56
IP-DMA-318C36C922	EN 60309	3	C13	18	C19	3	3x32	0U	1778	44	56
INTELLIGENT POWER DISTRIBUTION UNITS – ENHANCED MANAGED (KWH)											
IP-DEA-008C300016	C20	x ¹	C13	8	x	x	16	1U	432	44	90
IP-DEA-314C32C932	EN 60309	3	C13	14	C19	2	32	0U	1245	44	56

¹ INPUT power cords must be ordered separately


INTELLIGENT POWER DISTRIBUTION UNITS – SUPERIOR SERIES – MANAGED											
Code	Input plug	Length (m)	Type 1 outlet	Qty type 1 outlet	Type 2 outlet	Qty type 2 outlet	Rating (A)	Mounting	Dimensions (mm)		
									H	W	D
IP-SEA-008C300016	C20	x ¹	C13	8	x	x	1x16	1.5U	440	65	112
IP-SEA-018C36C916	C20	x ¹	C13	18	C19	6	1x16	0U	1570	65	56
IP-SEA-318C36C932	EN 60309	3	C13	18	C19	6	1x32	0U	1680	65	56
IP-SEA-318C36C911	EN 60309	3	C13	18	C19	6	3x16	0U	1610	65	56
IP-SEA-318C36C922	EN 60309	3	C13	18	C19	6	3x32	0U	1700	65	56

¹ INPUT power cords must be ordered separately

The PDU type IP-SEA are not equipped by brackets which need to be ordered separately.

Brackets for vertical installation of PDU	
Code	Description
DP-RP-VM-01	Brackets for mounting vertical 19" power distribution unit to PREMIUM/OPTIMAL frame
DP-RP-VM-02	Brackets for mounting vertical power distribution unit DP-RP-20-XX to PREMIUM/OPTIMAL frame
DP-RP-VM-06	Swivel brackets for mounting vertical PDU DP-RP-XX and IP-XXX to PREMIUM/OPTIMAL frame, set for 1 PDU
DP-RP-VM-07	Brackets for mounting vertical PDU IP-DXX to RSF and iSEVEN SERVER rack with A-type of extrusions, set for 1 PDU
DP-RP-VM-08	Brackets for mounting vertical PDU IP-BA to RSF and iSEVEN SERVER rack with A-type of extrusions, set for 1 PDU
DP-RP-VM-12	Universal brackets for mounting vertical PDU IP-BA, IP-D or IP-S to rack with L, P and A-type of extrusions, set for 1 PDU

Note: The PDU type DP-RP, IP-BA and IP-D are delivered with standard installation brackets. All Basic PDUs have brackets (similar to those used for horizontal installation) that can be rotated 90° at the plastic end caps. Intelligent PDUs have either brackets (for horizontal installation) or flat plates (for vertical attachment) to 19" extrusions. The PDU type IP-S are not equipped by brackets.

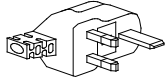


To find our latest list of products including your ideal intelligent PDU model please visit www.conteg.com or consult with your Conteg Area Sales Manager.

OUTLET AND PLUG TYPES



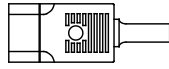
UK



UK (BS 1363)



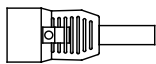
IEC320 C13



IEC320 C14



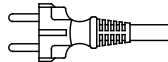
IEC320 C19



IEC320 C20



SCHUKO



SCHUKO - GERMAN



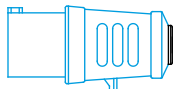
UTE



UTE - FRENCH



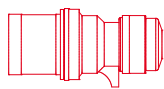
EN60309 16A 1PH



EN60309 32A 1PH



EN60309 32A 3PH



EN60309 16A 3PH

INPUT POWER CORDS FOR INTELLIGENT PDUs

Code	In-out type	Length
IP-C-C9SH25	IEC 320 C19 to Schuko (plug)	2.5 m
IP-C-C93025	IEC 320 C19 to EN 60309 (1x16 A)	2.5 m
IP-C-C9C225	IEC 320 C19 to IEC 320 C20	2.5 m

Note: Compatible with IP-DMI and IP-DMA

OUTPUT POWER CORDS FOR INTELLIGENT PDUs

Code	In-out type	Length
IP-C-C9C218	IEC 320 C19 to IEC 320 C20	1.8 m
IP-C-C3C405	IEC 320 C13 to IEC 320 C14	0.5 m
IP-C-C3C410	IEC 320 C13 to IEC 320 C14	1.0 m
IP-C-C3C418	IEC 320 C13 to IEC 320 C14	1.8 m

Note: Compatible with IP-DMI and IP-DMA

LOCKING INSERTS

Code	Description	Package
IP-C-FC13	Plug Lock sleeve insert for outlet C13	50 pcs
IP-C-FC19	Plug Lock sleeve insert for outlet C19	50 pcs
IP-C-PL20	Plug Lock sleeve insert for C20 input	50 pcs
DP-RP-LC-C3	Locking clips for DP-RP-12-IECC13	12 pcs

HOW TO READ CODE FOR INTELLIGENT POWER UNITS



An example of a correct Code:

IP - DMI - 3 21 C3 3 C9 11

1. POWER STRIP TECHNOLOGY

Code	Options
BA	Basic
DMI	Monitored (over IP)
DMA	Managed
DEI	Enhanced Monitored
DEA	Enhanced Managed
SEI	Superior Monitored
SEA	Superior Managed

2. INPUT PLUG TYPE (on the input power cord)

Code	Options
0	No cable, Inlet C20 only
C	IEC C20
3	EN 60309

3. NUMBER OF OUTLET TYPE 1

4. TYPE OF OUTLET TYPE 1

Code	Options
UK	UK
SH	Schuko
UT	UTE (French)
C3	C13
C9	C19

5. NUMBER OF OUTLET TYPE 2

6. TYPE OF OUTLET TYPE 2

Code	Options
C3	C13
C9	C19

7. STRIP RATING

Code	Options
16	16 Amps
32	32 Amps
11	11 kW (3x16 A)
22	22 kW (3x32 A)

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