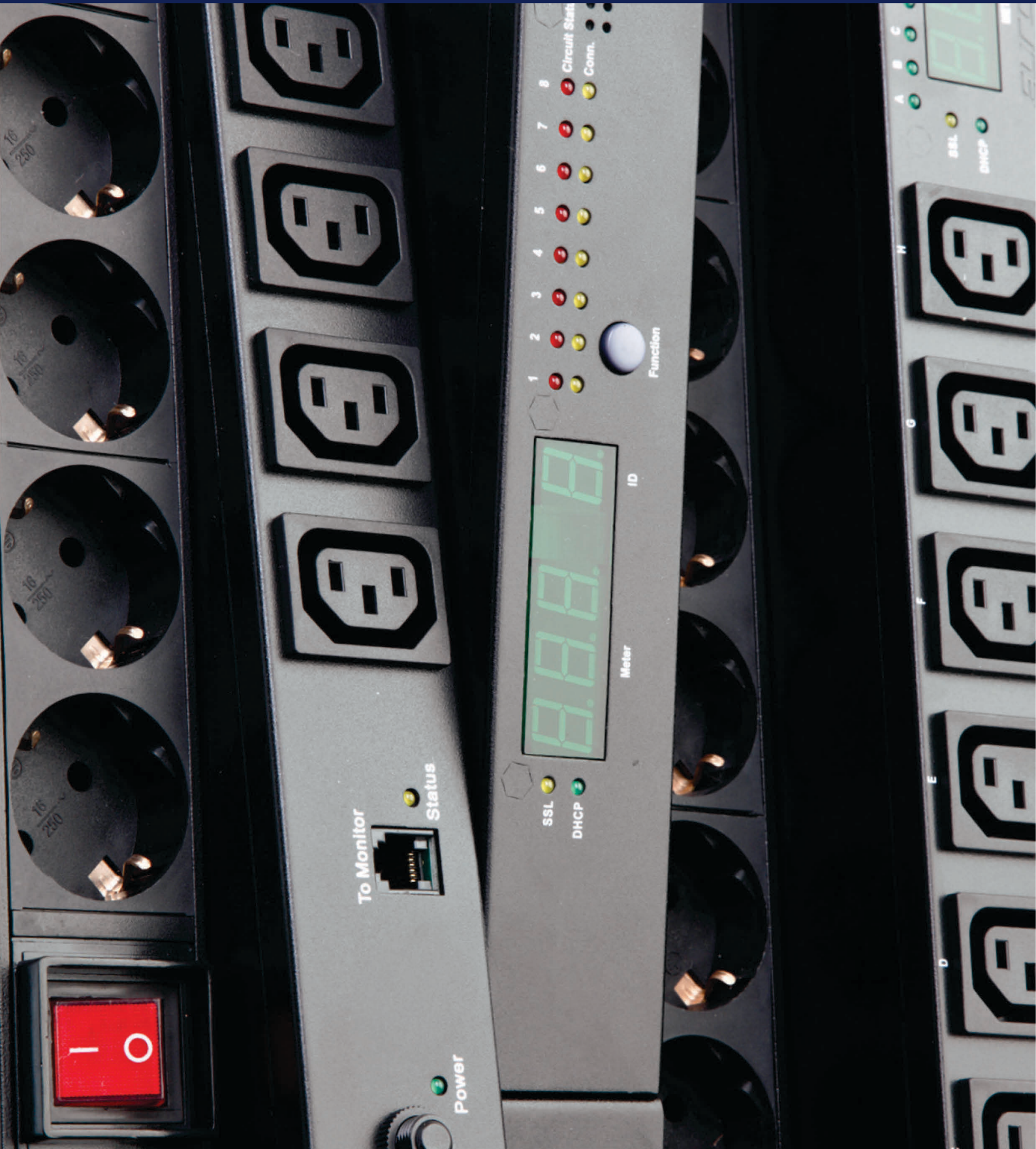




POWER DISTRIBUTION UNITS

Efficient and safe power distribution for information systems and datacenters



Power distribution units

Eurolan's extensive product range with power capacities ranging from 2.3 kW to 22.2 kW addresses the need for efficient and safe power distribution in information systems and data centers.

The product range of power distribution units includes four series:

- Unmanaged
- Basic
- Switched
- Switched PRO

Power distribution unit product range:



Page. 5

Unmanaged

A solution that meets power distribution needs of small systems. Suitable for vertical or horizontal installation.



стр. 6

Basic

Designed for power distribution in medium and large systems. Total load monitoring can be added as an option. Suitable for vertical or horizontal installation.



стр. 7

Switched

Designed for power distribution in medium/large systems and datacenters. Supports remote monitoring of total load and remote control (on/off) for individual sockets. Suitable for vertical or horizontal installation. Extended temperature range design (0...+65°C / 32...149°F) for thermally stressed systems – no derating necessary. Temperature and humidity monitoring.



стр. 8

Switched PRO

Designed for power distribution in large-scale, geographically distributed systems and datacenters. Remote load monitoring and remote control (on/off) for individual sockets. Vertical installation. Extended temperature range design (0...+65°C / 32...149°F) for thermally stressed systems – no derating necessary. Temperature and humidity monitoring.



	Unmanaged	Basic	Switched	Switched PRO
Application				
Network access level	*	*		
Network aggregation level	*	*	*	
Network core level		*	*	*
Datacenters and storage systems		*	*	*
Laboratories	*	*	*	*
Security systems	*	*	*	*
FEATURE SET				
Mounting kit for installing inside cabinets and rack	*	*	*	*
Automatic circuit breakers		*	*	*
Remote monitoring of total load		* ¹	*	*
Built-in web GUI		* ¹	*	*
Freeware management utility		* ¹	*	*
Integrated display		* ¹	*	*
Remote monitoring network access (IPv4, IPv6)		* ¹	*	*
Configurable alarm thresholds		* ¹	*	*
Sound and e-mail alarm notifications		* ¹	*	*
SNMP support			v1	v1, v2, v3
Remote control (on/off) for individual sockets			*	*
Graded powerup/powerdown for sockets			*	*
Temperature/humidity sensor port			* ²	*
Socket group monitoring			* ²	*
Per-socket remote load monitoring				*
Remote monitoring of voltages, frequencies and total loads				*
Optional temperature/humidity sensor port				*
Import/export of settings				*
Operating ambient temperature range (°C)	0...+45	0...+45	0...+65	0...+65
Operating humidity range (% RH)	0...90	0...90	0...90	0...90

¹ With 60A-65-70-08BL add-on controller.

² For 32 A models only.



Plugs



IEC 60320



1 phase, 10A, 230V

C14



IEC 60320



1 phase, 16 A, 230V

C 20



CEE 7/7



1 phase, 16 A, 230V

Schuko



IEC 60309



1 phase, 32 A, 230V



IEC 60309



3 phase, 16/32A, 400V

Input

- Inlet plugs: Schuko CEE 7/7, C14, C20, IEC 309 2P+E, IEC 309 3P+N+PE
- C14 connector on housing
- Voltage rating: 230V for 1 phase and 400V for 3 phase models
- Maximum input load current: 10A; 16A; 32A
- AC frequency: 50/60 Hz
- Cord length: 1.8; 3.0 m
- 16A automatic circuit breakers (not available in unmanaged units)

Output

- Output sockets: Schuko 2P+E, C13, C19
- Single unit providing wide choice of socket combinations
- Number of output sockets: 7, 8, 9, 10, 18, 24, 28, 36
- Maximum load per socket:
 - Schuko: 16A
 - C13: 10A
 - C19: 16 A

Sockets

2P+E



Schuko 16A, 230V

IEC 60320

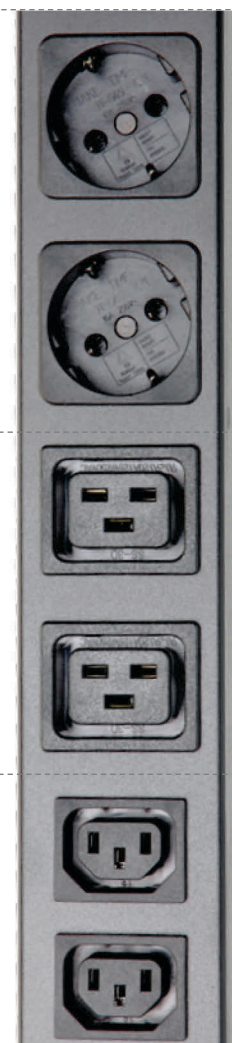


C19 16A, 230V

IEC 60320



C13 10 A, 230V





[1]



[2]

Unmanaged

- Output sockets: Schuko 2P+E, C13
- Integral power cord with Schuko CEE 7/7 plug or C14 connector on unit housing
- Anodized aluminum housing
- Color: RAL 9005 black
- Horizontal 19" and vertical
- Mounting kit included
- Voltage rating: 230V
- Current rating: 10A; 16A
- Maximum load per socket:
 - Schuko: 16A
 - C13: 10A



Backlit power button with protective cover to prevent accidental powerdown.



60A-61-42-07BL and 60A-61-44-10BL units use C14-based inlet connectors.
Cords are supplied separately.

Unmanaged (Power strips)

Fig.	Part No.	Mounting	Voltage rating (V)	Current rating (A)	Power rating (kW)	Inlet plug	Outlet sockets	Cord length (m)	Option
[1]	60A-61-41-08BL	Horiz., 1U	230	16	3.3	Schuko	(8) Schuko	1.8 m	Power button
[2]	60A-61-42-07BL	Horiz., 1U	230	10	2.3	C14 Inlet	(7) Schuko	None	Power button
	60A-61-41-09BL	Horiz., 1U	230	16	3.3	Schuko	(9) Schuko	1.8 m	Power LED
	60A-61-47-07BL	Horiz., 1U	230	16	3.3	Schuko	(7) Schuko	1.8 m	Surge arrestor
	60A-61-44-10BL	Horiz., 1U	230	10	2.3	C14 Inlet	(10) C13	None	Power LED
	60A-61-49-07BL	Horiz., 1U	230	16	3.3	Schuko	(7) Schuko	1.8 m	Automatic circuit breaker
	60A-63-41-18BL	Vertical	230	2x16	3.3	(2) Schuko	(18) Schuko	1.8 m	Power LED



[1]

Basic

- Output sockets: Schuko 2P+E, C13, C19
- Integral power cord with plug options including C14, C20, IEC 309 2P+E, IEC 309 3P+N+PE
- All-metal housing
- Color: RAL 9005 black
- Horizontal 19" and vertical ZERO-U
- Mounting kit included
- 16A automatic circuit breakers
- Voltage rating: 230V; 400V
- Current rating: 10A; 16A; 32A
- Maximum load per socket:
 - Schuko: 16A
 - C13: 10A
 - C19: 16 A
- Remote load monitoring available when connected to 60A-65-70-08BL controller.



Mounting kit for vertical units.



[2]

[3]

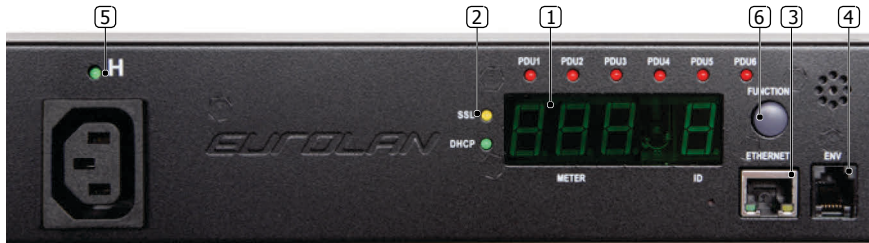
[4]

Basic

Fig.	Part No.	Mounting	Voltage rating (V)	Current rating (A)	Power rating (kW)	Inlet plug	Outlet sockets	Cord length (m)
[1]	60A-64-54-08BL	Horiz., 1U	230	10	2.3	C14	(8) C13	3.0
	60A-64-55-08BL	Horiz., 1U	230	16	3.3	C20	(8) C13	3.0
	60A-64-55-24BL	Vertical, 0U	230	16	3.3	C20	(20) C13 (4) C19	3.0
[2]	60A-64-55-28BL	Vertical, 0U	230	16	3.3	C20	(20) C13 (4) Schuko (4) C19	3.0
[3]	60A-64-56-28BL	Vertical, 0U	230	32	7.4	IEC 309 32A 2P+E	(20) C13 (4) Schuko (4) C19	3.0
[4]	60A-64-66-36BL	Vertical, 0U	400, 3 phase	32	22.2	IEC 309 32A 3P+N+PE	(30) C13 (6) C19	3.0



[1]



- ① Integrated LED digital screen showing current load.
- ② LED indicators: loads, SSL, DHCP.
- ③ RJ45 port for Ethernet connection.
- ④ RJ11 port for temperature/humidity sensor connection.
- ⑤ Power indicator LEDs for individual sockets.
- ⑥ Function switch button next to digital screen.

Switched

Complete functionality of Basic units plus:

- Remote monitoring of total load
- Remote control (on/off) for individual sockets
- Graded powerup for sockets
- Remote monitoring of temperature and humidity*
- Integrated display



* Temperature/humidity monitoring sensor, Part No. 60A-65-70-11BL. Add-on accessory, available as an option for 32A units only.

[2]

[3]



Switched

Fig.	Part No.	Mounting	Voltage rating (V)	Current rating (A)	Power rating (kW)	Inlet plug	Outlet sockets	Cord length (m)
[1]	60A-65-55-08BL	Horiz., 1U	230	16	3.3	C20	(8) C13	3.0
	60A-65-55-24BL	Vertical, 0U	230	16	3.3	C20	(21) C13 (3) C19	3.0
[2]	60A-65-56-24BL	Vertical, 0U	230	32	7.4	IEC 309 32A 2P+E	(21) C13 (3) C19	3.0
	60A-65-65-24BL	Vertical, 0U	400, 3 phase	16	11.1	IEC 309 16A 3P+N+PE	(21) C13 (3) C19	3.0
[3]	60A-65-66-24BL	Vertical, 0U	400, 3 phase	32	22.2	IEC 309 32 A 3P+N+PE	(18) C13 (6) C19	3.0



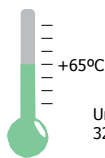
Switched PRO

Complete functionality of Switched units plus:

- Per-socket remote load monitoring
- Remote monitoring of voltages, frequencies and total loads
- Optional temperature/humidity sensor port
- Import/export of settings
- Green power-on LEDs for each socket
- Red overload LEDs for each socket



Automatic circuit breakers (6 x 1P 16A for 60A-67-66-24BL).



Unmanaged and switched units designed for extended temperature range (0...+65°C / 32...149°F) enabling them to be used in thermally stressed systems.



[1]

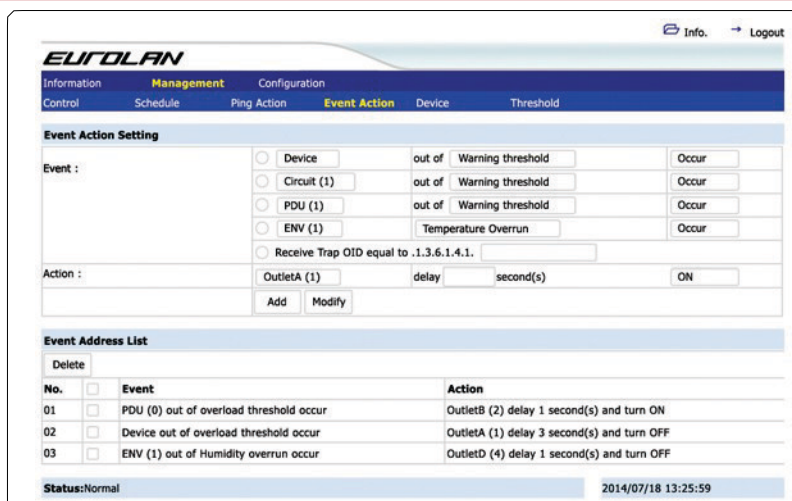
Switched PRO

Fig.	Part No.	Mounting	Voltage rating (V)	Current rating (A)	Power rating (kW)	Inlet plug	Outlet sockets	Cord length (m)
	60A-67-56-24BL	Vertical, 0U	230	32	7.4	⊕ IEC 309 32A 2P+E	⊕ (21) C13 ⊕ (3) C19	3.0
[1]	60A-67-66-24BL	Vertical, 0U	400, 3 phase	32	22.2	⊕ IEC 309 32 A 3P+N+PE	⊕ (18) C13 ⊕ (6) C19	3.0

Software

Management over LAN using web GUI (HTTP, HTTPS), SNMP protocol or freeware utility.

Switched and Switched PRO units may be integrated with SCADA and similar software thanks to SNMP support.





[1]

Automatic failover units

Automatic failover units switch power mains automatically to a back-up circuit if the primary circuit fails. They are designed to operate in a power supply system providing two independent mains feeders.

- Input rating: 230VAC
- Operating voltage: 180...262VAC
- Max. current rating: 16A; 32A
- AC frequency: 50/60 Hz
- Switching time: 8...16 ms
- Inlet sockets: C13, IEC 309 2P+E or terminal block with screw terminals
- Two integral power cords featuring C20, IEC 309 2P+E sockets or terminal blocks with screw terminals on unit housing
- Power indicator LEDs

Automatic failover units

Fig.	Part No.	Mounting	Voltage rating (V)	Current rating (A)	Power rating (kW)	Inlet plugs	Outlet sockets	Cord length (m)
[1]	60A-64-80-02BL	Horiz., 1U	230	32	7.4	⊕ (2) IEC 309 32 A 2P+E	⊕ (1) IEC 309 32 A 2P+E	3.0
	60A-64-80-03BL	Horiz., 1U	230	32	7.4	(2) Terminal blocks	(1) Terminal block	No
	60A-64-80-04BL	Horiz., 1U	230	16	3.3	⊕ (2) C20	⊕ (10) C13	3.0
	60A-64-80-05BL	Horiz., 1U	230	32	7.4	⊕ (2) IEC 309 32 A 2P+E	⊕ (10) C13	3.0



[1]



[2]



[3]



[4]



[5]

[1] Controller

- Monitors drawn current
- Supports up to 8 Basic units
- Supports add-on temperature/humidity monitoring sensor, Part No. 60A-65-70-11BL.
- Local display
- Integrated Web GUI
- Sound and e-mail alarm notifications
- Remote monitoring unit up to 10 m away from the base unit, RJ11 plug
- Package includes 8 x 2.5 cords for connecting base units

[2] Temperature/humidity sensor

- For managed units and controller
- Temperature measurement range (°C): 0...+125
- Humidity measurement range (%): 5...95
- RJ11 connector
- 1.8 m long cord

[3] Power cords

- Cores comprise three stranded wires 1.0/1.5 mm²
- Plug options: Schuko CEE 7/7, C14, C20
- Length options: 1.8; 3.0 m

[4-5] C14 and C20 plug clamps

- Bring down the risk of unintended powerdown caused by accidental cord disconnection

Accessories

Fig.	Part No.	Description
	60A-65-70-08BL	Controller
[1]	60A-65-70-11BL	Temperature/humidity sensor
[2]	60A-47-01BL	C13 power cord with Schuko CEE 7/7 plug, 1.8 m
	60A-47-02BL	C13 power cord with Schuko CEE 7/7 plug, 3.0 m
[3]	60A-47-11BL	C13 power cord with C14 plug, 1.8 m
	60A-47-12BL	C13 power cord with C14 plug, 3.0 m
	60A-47-21BL	C19 power cord with C20 plug, 1.8 m
	60A-47-22BL	C19 power cord with C20 plug, 3.0 m
[4]	60A-64-90-14BL	C14 clamp
[5]	60A-64-90-20BL	C20 clamp



Specifications of power distribution and automatic failover units

Part No.	Net weight (kg)	Gross weight (kg)	Outline unit dimensions (H × W × D), mm	Package dimensions (H × W × D), mm	Automatic circuit breakers
Unmanaged					
60A-61-41-08BL	0.8	0.9	44 × 482 × 44	51 × 520 × 97	-
60A-61-42-07BL	0.8	0.9	44 × 482 × 44	51 × 520 × 97	-
60A-61-41-09BL	0.8	0.9	44 × 482 × 44	51 × 520 × 97	-
60A-61-47-07BL	0.8	0.9	44 × 482 × 44	51 × 520 × 97	-
60A-61-44-10BL	0.8	0.9	44 × 482 × 44	51 × 520 × 97	-
60A-61-49-07BL	1.0	1.1	44 × 482 × 44	51 × 520 × 97	1 × 1P 16A
60A-63-41-18BL	3.4	4.0	44 × 1895 × 50	51 × 1940 × 97	-
Basic					
60A-64-54-08BL	1.5	1.6	44 × 482 × 44	90 × 505 × 140	1 × 1P 10A
60A-64-55-08BL	1.6	1.7	44 × 482 × 44	90 × 505 × 140	1 × 1P 16A
60A-64-55-24BL	4.0	5.2	56 × 1645 × 44	110 × 1890 × 220	1 × 1P 16A
60A-64-55-28BL	4.0	5.2	56 × 1645 × 44	110 × 1890 × 220	1 × 1P 16A
60A-64-56-28BL	4.8	6.0	56 × 1645 × 44	110 × 1890 × 220	2 × 1P 16A
60A-64-66-36BL	7.1	8.3	56 × 1778 × 66	110 × 1890 × 220	6 × 1P 16A
Switched					
60A-65-55-08BL	2.4	3.0	44 × 482 × 90	90 × 505 × 210	1 × 1P 16A
60A-65-55-24BL	5.8	7.0	56 × 1778 × 44	110 × 1890 × 220	1 × 1P 16A
60A-65-56-24BL	6.0	7.2	56 × 1778 × 44	110 × 1890 × 220	3 × 1P 16A
60A-65-65-24BL	7.0	8.2	56 × 1778 × 44	110 × 1890 × 220	3 × 1P 16A
60A-65-66-24BL	8.2	9.4	56 × 1645 × 80	110 × 1890 × 220	6 × 1P 16A
Switched PRO					
60A-67-56-24BL	9.0	10.2	56 × 1778 × 80	110 × 1890 × 220	3 × 1P 16A
60A-65-65-24BL	10.0	11.2	56 × 1778 × 80	110 × 1890 × 220	6 × 1P 16A
Controller					
60A-65-70-08BL	1.6	1.9	44 × 253 × 65	90 × 505 × 210	-
Automatic failover units					
60A-64-80-02BL	5.2	5.8	44 × 482 × 260	155 × 490 × 330	-
60A-64-80-03BL	4.1	4.7	44 × 482 × 260	155 × 490 × 330	-
60A-64-80-04BL	4.4	5.0	44 × 482 × 260	155 × 490 × 330	-
60A-64-80-05BL	5.0	5.6	44 × 482 × 260	155 × 490 × 330	2 × 1P 16A

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