



Switching power supplies

CP range

Linear power supplies

CP-L range

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Switching power supplies CP range

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Linear power supplies CP-L range

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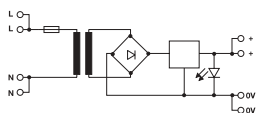
Linear power supplies CP-L range

Ordering details



1SVR 419 500 R 3000

CP-L



1SVC 110 000 F 0315

5VDC, 12VDC,
15VDC, 24VDC

All power supplies are DIN rail mountable and available with 230V or 115VAC Input voltage, and deliver a stable and regulated DC output voltage with a low residual ripple of $\pm 1\%$.

- The output is short-circuit and overload protected.
- A LED provides status operation.

Type	Supply voltage	Output voltage	Order code	Pack. unit piece	Price 1 piece	Weight 1 pc. kg/lb
CP-L5/1.0	115VAC	5VDC/1A	1SVR 419 500 R 3000	1		0.820/1.80
	230VAC	5VDC/1A	1SVR 419 500 R 3100	1		0.820/1.80

Frequency AC Input: 47-63Hz / Mains buffering: min. 5ms with 100% load

Input current at nominal load: typ. 0.16A, 115V / typ. 0.08A, 230V

Internal input fuse: 0.2A (T) 115V / 0.125A (T) 230V

Type	Supply voltage	Output voltage	Order code	Pack. unit piece	Price 1 piece	Weight 1 pc. kg/lb
CP-L12/0.5	115VAC	12VDC/0.5A	1SVR 419 501 R 1000	1		0.820/1.80
	230VAC	12VDC/0.5A	1SVR 419 501 R 1100	1		0.820/1.80
CP-L12/1.0	115VAC/	12VDC/1A	1SVR 419 501 R 3000	1		0.780/1.72
	230VAC	12VDC/1A	1SVR 419 501 R 3100	1		0.780/1.72

Frequency AC Input: 47-63Hz

Mains buffering: min. 5ms with 100% load

Input current at nominal load: 0.5A: typ. 0.14A / typ. 0.07A 1 A: 0.32 (T) / 0.16 (T)

Internal input fuse: 0.5A: 0.2A (T) / 0.125A (T) 1 A: 0.4A (T) / 0.2A (T)

Type	Supply voltage	Output voltage	Order code	Pack. unit piece	Price 1 piece	Weight 1 pc. kg/lb
CP-L15/0.5	115VAC	15VDC/0.5A	1SVR 419 502 R 1000	1		0.820/1.80
	230VAC	15VDC/0.5A	1SVR 419 502 R 1100	1		0.820/1.80
CP-L15/1.0	115VAC	15VDC/1A	1SVR 419 502 R 3000	1		0.780/1.72
	230VAC	15VDC/1A	1SVR 419 502 R 3100	1		0.780/1.72

Frequency AC Input: 47-63Hz

Mains buffering: min. 5ms with 100% load

Input current at nominal load: 0.5A: typ. 0.14A / typ. 0.07A 1A: 0.35A / 0.175A

Internal input fuse: 0.5A: 0.2A (T) / 0.125A (T) 1A: 0.4A (T) / 0.2A (T)

Type	Supply voltage	Output voltage	Order code	Pack. unit piece	Price 1 piece	Weight 1 pc. kg/lb
CP-L24/0.25	115VAC	24VDC/0.25A	1SVR 419 503 R 0000	1		0.820/1.80
	230VAC	24VDC/0.25A	1SVR 419 503 R 0100	1		0.820/1.80
CP-L24/0.75	115VAC	24VDC/0.75A	1SVR 419 503 R 2000	1		1.050/2.30
	230VAC	24VDC/0.75A	1SVR 419 503 R 2100	1		1.050/2.30

Frequency AC Input: 47-63Hz

Mains buffering: min 5 ms with 100% load

Input current at nominal load: 0.25A: typ. 0.14A / typ. 0.07A 0.75A: 0.35A / 0.175A

Internal input fuse: 0.25A: 0.2 A (T) / 0.125A (T) 0.75A: 0.4A (T) / 0.2A (T)

Type	Supply voltage	Output voltage	Order code	Pack. unit piece	Price 1 piece	Weight 1 pc. kg/lb
CP-L \pm 12/0.5	115VAC	\pm 12VDC/0.5A	1SVR 419 511 R 1000	1		1.070/2.35
	230VAC	\pm 12VDC/0.5A	1SVR 419 511 R 1100	1		1.070/2.35

Frequency AC Input: 47-63Hz / Mains buffering: min. 5ms with 100% load

Input current at nominal load: typ. 0.32A, 115V / typ. 0.16A, 230V

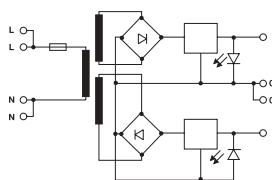
Internal input fuse: 0.4A (T) 115V / 0.2A (T) 230V

Type	Supply voltage	Output voltage	Order code	Pack. unit piece	Price 1 piece	Weight 1 pc. kg/lb
CP-L \pm 15/0.5	115VAC	\pm 15VDC/0.5A	1SVR 419 512 R 1000	1		1.070/2.35
	230VAC	\pm 15VDC/0.5A	1SVR 419 512 R 1100	1		1.070/2.35

Frequency AC Input: 47-63 Hz / Mains buffering: min. 5 ms with 100% load

Input current at nominal load: typ. 0.35A, 115V / typ. 0.175A, 230V

Internal input fuse: 0.4A (T) 115V / 0.2A (T) 230V



1SVC 110 000 F 0316

\pm 12VDC stabilized
 \pm 15VDC stabilized

Linear power supplies CP-L range

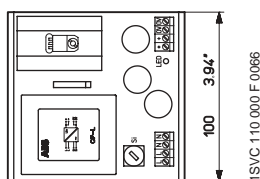
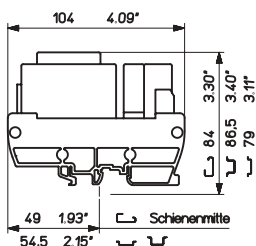
Technical data, dimensional drawings

Typ	CP-L5/1.0	CP-L12/0.5 CP-L12/1.0	CP-L15/0.5 CP-L15/1.0	CP-L24/0.25 CP-L24/0.75	CP-L±12/0.5 CP-L±15/0.5
Residual ripple / noise	±1%				
Short circuit protection	overcurrent switch off with automatic restart				
Overload protection	overtemperature and overcurrent switch off				
Reset after thermal overload	automatic after cooling				
Standards, tests					
Electrical safety standards	EN 50178 (VDE 0160)				
Galvanic isolation	reliable isolation EN 60950				
Voltage withstand input<->output	4kVAC, 4kVAC test				
Clearance and creepage distances	overvoltage category III pollution degree 2				
Electromagn. compatibility (EMC-tests) acc. to EN 50082-2	ESD : EN 61000-4-2, level 3 (6/8KV); RF fields : EN 61000-4-3, level 3 (10V/m); Burst : EN 61000-4-4, level 3 (2kV); Surge : EN 61000-4-5, level 3 (2kV); Conducted RF : EN 61000-4-6, level 3 (10V)				
Input current harmonics	no limiting				
Degree of protection					
Terminals:	IP 20				
Enclosure:	IP 20				
Protection class	2 with external product protection				
General data					
Status indication	green LED				
Operating temperature	-20 ... +50°C				
Storage temperature	-40 ... +80°C				
Terminals	screw terminals 14AWG (2.5mm ²)				
Dimensions (W x H x D) 0.25A				100x104x79mm 3.94x4.09x3.11"	
Dimensions (W x H x D) 0.5A		100x104x79mm 3.94x4.09x3.11"			135x104x79mm 5.31x4.09x3.11"
Dimensions (W x H x D) 0.75A				135x104x79mm 5.31x4.09x3.11"	
Dimensions (W x H x D) 1.0A		100x104x79mm 3.94x4.09x3.11"			
Mounting hints	Normal position : horizontal onto DIN-rail, Spacing to other modules: upper 100mm, lower 50mm, sides 20mm				

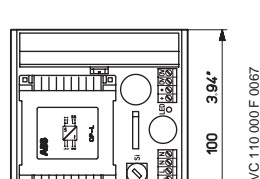
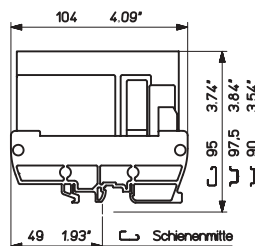
Power supplies

Dimensions

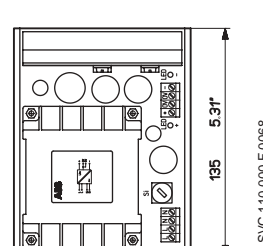
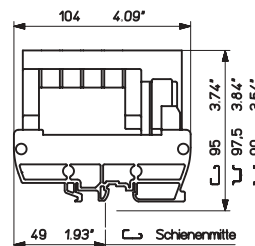
CP-L5/1.0, CP-L12/0.5
CP-L15/0.5, CP-L24/0.25



CP-L12/1.0
CP-L15/1.0



CP-L±12/0.5,
CP-L±15/0.5



CP-L24/0.75

