



Switching power supplies

CP range

Linear power supplies

CP-L range

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### Linear power supplies CP-L range

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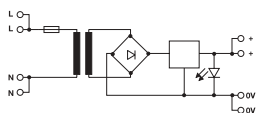
# Linear power supplies CP-L range

## 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	<b>1SVR 419 500 R 3000</b>	1		0.820/1.80
	230VAC	5VDC/1A	<b>1SVR 419 500 R 3100</b>	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	$\pm 12$ VDC/0.5A	1SVR 419 511 R 1000	1		1.070/2.35
	230VAC	$\pm 12$ VDC/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

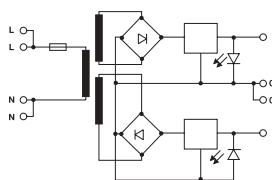
Internal input fuse: 0.4A (T) 115V / 0.2A (T) 230V

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	$\pm 15$ VDC/0.5A	1SVR 419 512 R 1000	1		1.070/2.35
	230VAC	$\pm 15$ VDC/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

$\pm 12$ VDC stabilized  
 $\pm 15$ VDC stabilized

# Linear power supplies CP-L range

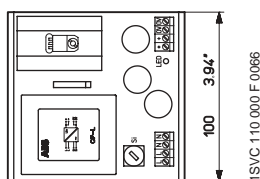
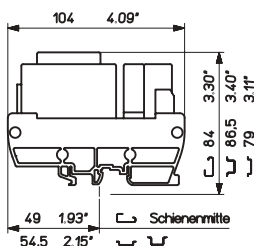
## Technical data, dimensional drawings

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				
<b>Standards, tests</b>					
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	IP 20				
Terminals:	IP 20				
Enclosure:	IP 20				
Protection class	2 with external product protection				
<b>General data</b>					
Status indication	green LED				
Operating temperature	-20 ... +50°C				
Storage temperature	-40 ... +80°C				
Terminals	screw terminals 14AWG (2.5mm <sup>2</sup> )				
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				

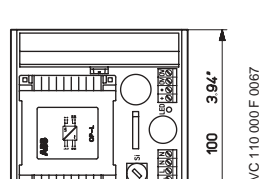
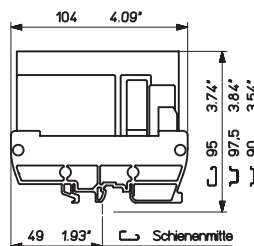
Power supplies

### Dimensions

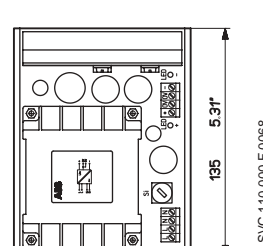
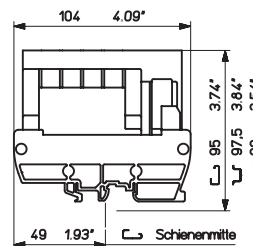
CP-L5/1.0, CP-L12/0.5  
CP-L15/0.5, CP-L24/0.25



CP-L12/1.0  
CP-L15/1.0



CP-L±12/0.5,  
CP-L±15/0.5



CP-L24/0.75

