#### PC-0124-200-0



## Advantages

Stabilised and adjustable output voltage

Fast tripping of standard bi-metal circuit breakers

DC OK signal contact

Parallel operation

Push-in terminals

Robust DIN rail mounting

Resistant to transient overvoltages up to 4 kV

## **Applications**

Power Compact combines the basic functionality of an economic switched mode power supply with key additional features to ensure high system availability. A powerful and flexible option that's still light and compact. Our real all-rounders, these power supply units are suitable for a highly diverse range of applications in solar, measurement and control technology and they really come into their own in industrial and building automation. The devices cover the average power requirement from 120 W to 480 W. Versions with 12 V, 24 V, and 48 V are available, which allow a range of applications. A version with 5  $\mbox{\ensuremath{A}}$  rated current is available for a single or two-phase supply from 180 V to 550 V. The output voltage can be set easily using the rotary potentiometer on the front of the housing. The robust DIN rail fastening method and push-in connection terminals enable fast and secure mounting.

### Standards

Primary switched mode power supply to UL 60950, UL 508

EN 61558-2-16, EN 60950-1

EMC: EN 61204-3 Approvals







UL/CSA 60950 recognised, UL508 listed, Germanischer Lloyd



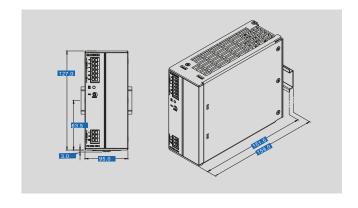


Order Number

# Single phase, primary switched mode power supply **PC-0124-200-0**

Type		PC-0124-200-0
Input		
Input Input rated voltage		100 - 240 Vac
, Input voltage range		85 - 264 Vac
Input voltage range Input voltage derati Rated frequency ra Input rated current Starting current lim Switch-on time Mains buffering		(120 - 372 Vdc)
Input voltage derati	•	-2.5 %/Vac < 100 Vac
Rated frequency ra	-	44 Hz - 66 Hz / 0 Hz
Input rated current		5.56 A (100 Vac) / 2.23 A (230 Vac)
Starting current lim	iter	< 30 A, NTC (active)
Switch-on time		0.45 s (100 Vac) / 0.2 s (230 Vac)
Widing barroring		20 ms (100 Vac) / 20 ms (230 Vac)
Power factor		0.98 (active PFC)
Input fuse internal		10 A
Recommended back	k-up fuse (circuit breaker)	10 A, 16 A,
Transient aures veli		characteristic B, C Varistor
Transient surge vol	tage protection	Valueton
Output		
Output rated voltag	е	24 Vdc
Output voltage rang		23 - 28,5 Vdc
Output rated curre		20 A
Output limited curre	ent	typ. 22 A (constant current)
Tripping of LS circu	it breakers	max. B6, C6, K4
Parallel connection		Yes
Serial operation		Yes
Power dissipation, r	no load/rated load	7.2 / 42.4 W (230 Vac)
Max. power losses		68.3 W (100 Vac / 24 V / 20 A)
Efficiency		typ. 92 %
Ripple factor		typ. 70 mVss
Resistance to rever		35 Vdc
Over-voltage-proteo	etion	max. 40 Vdc
Signaling		
Typ. switching thres	shold for LED and signal output	
Status indicator		LED green
Signal output		Relay contact
Approvals		
Approvals		cURus, cULus, GL
Environment		contas, cocas, oc
Cooling method		natural convection
Ambient temperatu		-25°C +70°C
Storage temperatu	e	-25° C +85° C
Derating		-5 %/K > +60° C @ 196 - 264 Vac -2.5 %/K > +50° C @ 85 - 195 Vac
Required minimum	spacing (left/right)	0 mm
Required minimum	spacing (over/under)	50 mm
Safety and prot	ection	
Protection index		IP 20
Safety class		I, with PE connection
Order numbers		

	Туре	PC-0124-200-0	
30	Input		
`` <u> </u>	Connections input (direct plug-in technology Push-In)	max 2,5 mm <sup>2</sup>	
tа	Output		
al da	Connections output (direct plug-in technology Push-In)	max 2,5 mm <sup>2</sup>	
jë.	Signaling		
Vechanical data	Connections signalling (direct plug-in technology Push-In)	max 2,5 mm <sup>2</sup>	
Иe	Environment		
_	Mounting position	horizontal for standard rail DIN TH 35	
	Measures and weights		
	Weight	1.60 kg	
	Dimensions W x H x D	95 x 127 x 159 mm	



PC-0124-200-0