Single phase, primary switched mode power supply **PC-0112-150-0**



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 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

Safety: EN 61558-2-16, EN 60950-1

EMC: EN 61204-3





UL/CSA 60950 recognised, UL508 listed, Germanischer Lloyd





Single phase, primary switched mode power supply **PC-0112-150-0**

	Туре	PC-0112-150-0		Туре	PC-0112-150-0
5	Input		30	Input	
5 F	Input rated voltage	100 - 240 Vac	۳.	Connections input (direct plug-in technology Push-	max 2,5 mm ²
data	Input voltage range	85 - 264 Vac	data	ln)	
	nihnr voirañe Lauñe	(120 - 372 Vdc)		Output	
	Input voltage derating	-2.5 %/Vac < 100 Vac		Connections output (direct plug-in technology Push-	max 2,5 mm ²
5	Rated frequency range	44 Hz - 66 Hz / 0 Hz		ln)	hidx 2,0 him
2	Input rated current (rated load)	2.07 A (100 Vac) / 0,95 A (230 Vac)	Mechanical	Signaling	
	Starting current limiter	< 30 A, NTC (active)	lar	Connections signalling (direct plug-in technology	max 2,5 mm ²
2	Switch-on time	0.71 s (100 Vac) / 0.43 s (230 Vac)	<u> </u>	Push-In)	
	Mains buffering	28 ms (100 Vac) / 28 ms (230 Vac)	Ř	Environment	
	Power factor	0.91 (active PFC) 6.3 A	~	Mounting position	horizontal for standard rail DIN TH 35
	Input fuse internal	0.3 A 10 A, 16 A,		Measures and weights	
	Recommended back-up fuse (circuit breaker)	characteristic B. C		Weight	0.93 kg
	Transient surge voltage protection	Varistor		Dimensions W x H x D	55 x 127 x 161 mm
	Output				
	Output Output rated voltage	12 Vdc			
	Output rated voltage Output voltage range	11.5 – 15 Vdc			
	Output voltage range Output rated current	15 A			
	Output limited current	typ. 16.5 A (constant current)		[94,00000	0
	Tripping of LS circuit breakers	max. B4			*****
	Parallel connection	Yes			
	Serial operation	Yes			
	Power dissipation, no load/rated load	4.4 W / 21.8 W (230 Vac)			
	Max. power losses	24.7 W (100 Vac / 12 V / 15 A)			
	Efficiency	typ. 90 %			
	Ripple factor	typ. 35 mVss			1555
	Resistance to reverse feed max.	35 Vdc		3.0 55.0	Aur I
	Over-voltage-protection	max. 20 Vdc			*
	Signaling				
	Typ. switching threshold for LED and signal output (DC OK)	•			
	Status indicator	LED green			
	Signal output	Relay contact			
	Approvals				
	Approvals	cURus, cULus, GL			
	Environment				
	Cooling method	natural convection			
	Ambient temperature	-25°C +70°C			
	Storage temperature	-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 protection				
	Protection index	IP 20			
	Safety class	I, with PE connection			
	Order numbers				
	Order Number	PC-0112-150-0			
	viaci inullilligi				

