PC-0224-100-0



Advantages

Stabilised and adjustable output voltage

Fast tripping of conventional circuit breakers

DC OK signalling

Parallel operation

Push-in terminals

Robust DIN rail mounting

Resistant to transient overvoltages up to 4 kV

Optional with 50 % Power Boost (PC-0224-xxx-2)

3 years warranty

Applications

The economic power supplies in the Power Compact series set new stan-dards in their class. Above-average robustness against transients and energetic surge pulses at their input and equipped with essential additional aspects for a worldwide high plant availability. A powerful and flexible option that's still light and compact. Due to a single or two-phase supply from 180 V to 550 V, these power supplies 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 output voltage can be set easily using the rotary potentiometer on the front of the enclosure. 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, UL 508, DNV GL, EAC

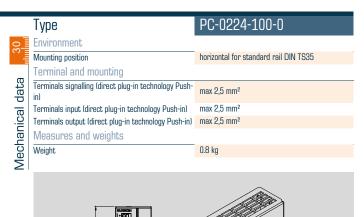




Order Number

Single- and two-phase, primary switched mode power supply **PC-0224-100-0**

	Туре	PC-0224-100-0
ıΓ	Special features	
i+	Characteristics	-
	Input	
Electrical data	Input rated voltage	200 - 500 Vac
	•	180 - 550 Vac
	Input voltage range	(254 - 780 Vdc)
	Input voltage derating	0,5 %/Vac < 200 Vac
	Rated frequency range	44 - 66 Hz
	Input rated current (rated load)	1,97 A (230 Vac)
	Starting current limiter	< 30 A, NTC
	Switch-on time	0,5 s (1 x 230 Vac / 3 x 400 Vac)
	Mains buffering (rated load) Power factor	20 ms (230 Vac) / 78 ms (400 Vac) 0.52
	Input fuse internal	6,3 AT
	input ruse internal	6 A, 10 A, 16 A,
	Recommended back-up fuse (circuit breaker)	characteristic B, C
	Transient surge voltage protection	Varistor
	Output	
	Output rated voltage	24 Vdc
	Output voltage range	23 – 28.5 Vdc
	Output rated current	10 A
	Output limited current	11 A
	Tripping of LS circuit breakers	max. B6/ C2
	Parallel connection	Yes
	Serial operation	Yes
	Power dissipation, no load/rated load	1,33 W / 27,77 W (230 Vac)
	•	2 W / 20,27 W (400 Vac)
	Max. power losses	27,77 W (230 Vac / 24 V / 10 A) typ. 90% (230V) / 92,5% (400V)
	Efficiency Ripple factor	typ. 22 mVss
	Resistance to reverse feed max.	35 Vdc
	Over-voltage-protection	typ. 40 Vdc
	Signaling	Of the second
	Status indicator	LED green
	Signal output	Relay contact
	Approvals	,
	Approvals	cURus, cULus , DNV GL, EAC
	Environment	COTTUS, COEUS , DIVV CE, ENO
		natural convection
	Type of cooling Ambient temperature	-25 °C to +70 °C
	Storage temperature	-25 °C +85 °C
	Derating	-2.5 %/K > +55 °C
	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	
	Table Hallipold	





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