#### PC-0224-100-2



### Advantages

Stabilized and adjustable output voltage

Fast tripping of conventional circuit breakers

DC OK indicator

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 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

## **Approvals**





UL/CSA 60950, UL 508, GL (in preparation)



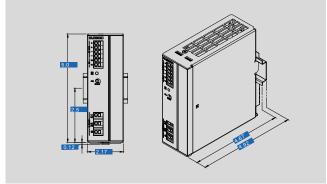


Order Number

# Single- and two-phase, primary switched mode power supply **PC-0224-100-2**

Type Special features Characteristics Power Boost Input Input rated voltage Input voltage range Input voltage derating Rated frequency range Input rated current (rated load) Starting current limiter Switch-on time Mains buffering (rated load) Power factor Input fuse internal  PC-0224-100-2  Power Boost  180 - 550 Vac 180 - 550 Vac 1254 - 780 Vdc) Input voltage derating A4 - 66 Hz Input rated current (rated load) 1.97 A (230 Vac) Starting current limiter Switch-on time Mains buffering (rated load) Power factor Input fuse internal  6.3 AT	
Characteristics	
Input   Input rated voltage   200 - 500 Vac   180 - 550 Vac   180 - 550 Vac   1254 - 780 Vdc   Input voltage range   1254 - 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   Power factor   0.52	
Input rated voltage	
Switch-on time 0,5 s (1 x 230 Vac/ 3 x 400 Vac)  Mains buffering (rated load) 20 ms (230 Vac) / 78 ms (400 Vac)  Power factor 0.52	
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Power factor 0.52	
Input tuco internal 63.4	
Input fuse internal 6,3 AT 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	
Power Boost 15 A / 5 s @24 Vdc >260 Vac	
Output limited current typ. 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 $27,77 \text{ W} (230 \text{ Vac} / 24 \text{ V} / 10 \text{ A})$	
Efficiency typ. 90% (230V) / 92,5% (400V)	
Ripple factor typ. 22 mVss	
Resistance to reverse feed max. 35 Vdc	
Over-voltage-protection typ. 40 Vdc	
Signaling	
Status indicator LED green	
Signal output Relay contact	
Approvals	
Approvals cURus, cULus (prepared), GL (prepar	red)
Environment	
Type of cooling natural convection	
Ambient temperature -13 °F to +158 °F	
Storage temperature -13 °F to +185 °F	
Derating $-2.5 \%/K > +131 ^{\circ}F$	
Required minimum spacing (left/right) 0.00 inch	
Required minimum spacing (over/under) 1.97 inch	
Safety and protection	
Protection index IP 20	
Safety class I, with PE connection	
Order numbers	





PC-0224-100-2