

Single phase, primary switched mode power supply **PC-0124-100-0**



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

Applications

Power Compact combines the basic functionality of an economic power supply with the essential features to maximize the availability of your system.

Standards

Primary switched mode power supply
to UL 60950, UL 508

Safety:
EN 61558-2-17, EN 60950 (SELV), EN 60204 (PELV)

EMC:
EN 61204-3

Approvals



Single phase, primary switched mode power supply

PC-0124-100-0

Type	PC-0124-100-0
Electrical data	
Input	
Input rated voltage	100 - 240 Vac
Input voltage range	85 - 264 Vac (120 - 372 Vdc)
Input voltage derating	-2.5 %/Vac < 100 Vac
Rated frequency range	44 Hz - 66 Hz / 0 Hz
Input rated current (rated load)	2.74 A (100 Vac) / 1.25 A (230 Vac)
Starting current limiter	< 30 A, NTC (active)
Switch-on time	1.3 s (100 Vac) / 0.25 s (230 Vac)
Mains buffering	15 ms (100 Vac) / 17 ms (230 Vac)
Power factor	0.92 (active PFC)
Input fuse internal	6.3 A
Recommended back-up fuse (circuit breaker)	10 A, 16 A, characteristic B, C
Transient surge voltage protection	Varistor
Output	
Output rated voltage	24 Vdc
Output voltage range	23 - 28.5 Vdc
Output limited current	typ. 11 A (contant current)
Tripping of LS circuit breakers	max. B6, C2
Parallel connection	Yes
Serial operation	Yes
Power dissipation, no load/rated load	6.6 / 24.4 W (230 Vac)
Max. power losses	31.3 W (100 Vac / 24 V / 10 A)
Ripple factor	typ. 50 mVss
Efficiency	typ. 91 %
Resistance to reverse feed max.	35 Vdc
Over-voltage-protection	max. 40 Vdc
Output rated current	10 A
Signaling	
Status display	LED green
Signal output	Relaiskontakt
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)	-
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-0124-100-0

Type	PC-0124-100-0
Mechanical data	
Input	
Terminals Input	Push-In Terminals, max 2.5 mm ²
Output	
Terminals Output	Push-In Terminals, max 2.5 mm ²
Signaling	
Terminals signaling	Push-In Terminals, max 2.5 mm ²
Environment	
Mounting position	horizontal for standard rail DIN TH 35
Measures and weights	
Weight	0.93 kg
Dimensions W x H x D	55 x 127 x 161 mm