

Three phases, primary switched mode power supply **PC-0324-400-2**



Picture shows PC-0324-100-0

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 |
| Resistant to transient overvoltages up to 4 kV |
| Optional with 50 % Power Boost (PC-0324-xxx-2) |

Applications

The economic power supplies in the Power Compact series set new standards 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. 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. All versions are available as option with 50% power reserves for high inrush current applications.

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)



Three phases, primary switched mode power supply PC-0324-400-2

| Type | PC-0324-400-2 |
|--|--|
| Electrical data | |
| Input | |
| Input rated voltage | 400 - 500 Vac |
| Input voltage range | 320 - 575 Vac |
| Input voltage derating | - |
| Rated frequency range | 44 Hz - 66 Hz / 0 Hz |
| Input rated current (rated load) | 3 x 2.15 A (400 Vac) / 1.82 A (500 Vac) |
| Starting current limiter | < 30 A, NTC |
| Input fuse internal | - |
| Recommended back-up fuse (circuit breaker) | 6 A, 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 rated current | 40 A |
| Output limited current | typ. 44 A (constant current) |
| Power Boost | 60 A / 5 s |
| Tripping of LS circuit breakers | max. B10/C6/K4 @ 6/10mm ² / 40m |
| Parallel connection | Yes |
| Serial operation | Yes |
| Power dissipation, no load/rated load | 2.78 W / 83.91 W (400 Vac) |
| Efficiency | typ. 92.5 % |
| Ripple factor | typ. 30 mVss |
| Resistance to reverse feed max. | 35 Vdc |
| Over-voltage-protection | max. 40 Vdc |
| Signaling | |
| Status indicator | LED green |
| Signal output | Relay contact |
| Approvals | |
| Approvals | cURus, cULus, GL (in preparation) |
| Environment | |
| Cooling method | natural convection |
| Ambient temperature | -25° C ... +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 | |
| Order Number | PC-0324-400-2 |

| Type | PC-0324-400-2 |
|--|--|
| Mechanical data | |
| Input | |
| Connections input (direct plug-in technology Push-In) | max 2,5 mm ² |
| Output | |
| Connections output (direct plug-in technology Push-In) | max 16 mm ² |
| Signaling | |
| Connections signalling (direct plug-in technology Push-In) | max 2,5 mm ² |
| Environment | |
| Mounting position | horizontal for standard rail DIN TH 35 |
| Measures and weights | |
| Weight | 2.71 kg |
| Dimensions W x H x D | 126 x 127 x 170 mm |

