

Redundancy module **PC-0624-400-0**



Picture shows PC-0624-400-0

Advantages

| |
|--|
| High efficiency |
| Power Good via relay contact and LEDs |
| Safe parallel operation to increase power |
| Fully compatible with Top and Power Boost for your power supplies |
| Active operation for minimal power loss even in the event of a short-circuit on the secondary side |
| Based on Mosfet technology |
| 3 years warranty |

Applications

Redundancy module for decoupling from two power supplies on installation of a fail-safe power supply system. For machines and systems which place high requirements on operational safety.

Standards

Redundancy module
to UL 60950, UL 508

Safety:
EN 60950 (SELV), EN 60204 (PELV)

EMC:
EN 61000-6-3 (Interference emissions), EN 61000-6-2 (Interference immunity)

Approvals

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



Redundancy module PC-0624-400-0

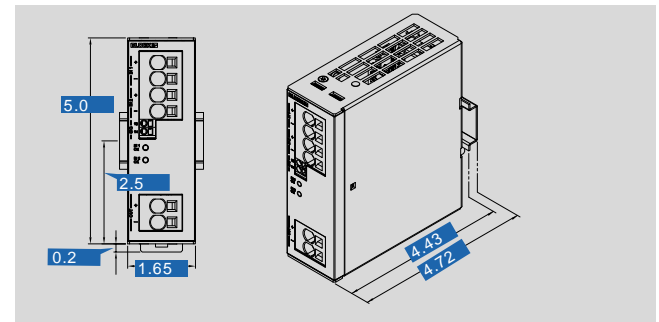
Electrical data

| Type | PC-0624-400-0 |
|---------------------------------------|---|
| Input | |
| Input rated voltage | 24 Vdc |
| Input voltage range | 10 - 36 Vdc |
| Input rated current | 2 x 20 A / 1 x 40 A |
| Output | |
| Output rated voltage | 24 Vdc |
| Output voltage range | 10 - 36 Vdc |
| Voltage drop | max. 100 mV |
| Resistance to reverse feed max. | 37 Vdc |
| Output rated current | 40 A |
| Internal fuse | No |
| Power Boost | 200 A, 50 ms / 120 A, 4 s / 100 A, 8 s |
| Parallel connection | Yes |
| max. Power loss idling/nominal load | 1,5 W / 9,5 W |
| Efficiency | 99,5% |
| Signaling | |
| Power Good (DC OK) | Green LED per input |
| Potential-free signal contact | N/O contact |
| Approvals | |
| Approvals | UL 60950/ UL508 (prepared), GL (prepared) |
| Environment | |
| Ambient temperature | -40 °F to + 158 °F |
| Storage temperature | -13 °F to +185 °F |
| Derating | - |
| Climatic category | 3k3 |
| Required minimum spacing (left/right) | 0.00 inch |
| Type of cooling | |
| Required minimum spacing (over/under) | 1.97 inch |
| Degree of pollution | 2 |
| Relative humidity | 5 - 96 % |
| MTBF @ 122 °F/500 V (Mil-HB-217F) | >500.000h |
| Safety and protection | |
| Protection index | IP 20 |
| Safety class (prepared) | III, without PE connection |
| Reverse connection protection | Yes |
| Order numbers | |
| Order Number | PC-0624-400-0 |

Mechanical data

| Type | PC-0624-400-0 |
|--|--------------------------|
| Terminal and mounting | |
| Terminals input (direct plug-in technology Push-in) | max. 16 mm ² |
| Terminals output (direct plug-in technology Push-in) | max. 16 mm ² |
| Terminals signaling | max. 2,5 mm ² |
| Fixing method | DIN Rail system TS35 |
| Mounting position | vertical |
| Measures and weights | |
| Weight | 0.82 lbs |

Dimensions in inch



Subject to change.