



PSR01801 Redundant O-RING N+1

- Rack Mount 1phase Fixed Output
- Active inrush current protection
- Option Line Switch
- Redundant N+1
- Built-in O-ring diode
- PSR01801S with AC mains switch

□

PSR01801 Redundant O-RING

| | | | | | |
|-------------------------------|--|-----------|-----------|-----------|-----------|
| Model | PSR01801 | | | | |
| Output power continuous | 180W | | | | |
| Nominal input voltage | 100... 240Vac | | | | |
| Input range AC | 85... 265Vac | | | | |
| Input range DC | 250... 375Vdc | | | | |
| Input frequency | 47... 63Hz | | | | |
| Hold-Up time | 50ms | | | | |
| Inrush current protection | < 24Apeak / 17Arms aktive protection ±6% | | | | |
| Auto-start | Soft start 40ms | | | | |
| Output voltage U1 | 5V | 12V | 24V | 48V | 60V |
| Adjust range U1 | 5... 5,5V | 12... 15V | 24... 30V | 42... 53V | 53... 70V |
| Ripple mVss U1 | 25mV | 25mV | 20mV | 50mV | 50mV |
| Output nominal current I1 | 25A | 15A | 7,5A | 3,8A | 3A |
| Power Boost <=60°C/60s | 30A | 18A | 9A | 4,6A | 3,6A |
| Stability at Load Switch | ±3% | ±1% | ±1% | ±1% | ±1% |
| Transient Time | < 1ms | | | | |
| Efficiency | 90% | | | | |
| Basic Load | Idling-proof | | | | |
| Short Circuit Protected | Continuous | | | | |
| Ambient Operating Temperature | -20°C... +60°C | | | | |
| Cooling | Natural convection | | | | |
| Temperature Monitoring | Yes | | | | |
| Dimensions (WxHxD) | 3U 10HP 220mm | | | | |
| IP-Range | IP20 | | | | |
| Safety IEC | EN60950-1 EN50178 EN60204-1 | | | | |
| Safety class 1(A) | VDE0100 VDE0805 | | | | |
| Input to Output Insulation | 3000Vac | | | | |
| Climatic Class, Humidity | 3k3, 90% non condensing | | | | |
| EMI | EN55022B EN61000-3-2A | | | | |
| EMS | EN61000-6-2,3 | | | | |
| MTBF IEC61709 | 300000h | | | | |
| Power Good Relay | Yes | | | | |
| Features | redundant decoupling O-ring diodes | | | | |
| Ordering options | Protective coating / line switcher | | | | |
| Options | See datasheet | | | | |