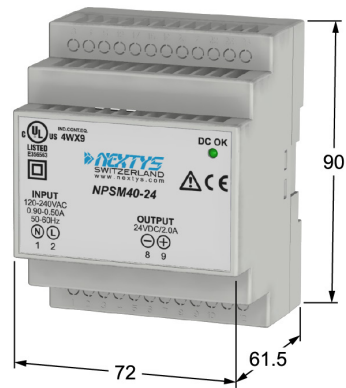


NPSM40 – 40W DIN Rail Switching Power Supply

- High efficiency and compact size
- Plastic Enclosure
- Class II (simplified wiring)



IND.CONT.EQ
4WX9



For reference only

TECHNICAL DATA

| | NPSM40-515 | NPSM40-12D | NPSM40-12 | NPSM40-24 |
|---------------------------------------|----------------------------------------------------------------------|----------------------|----------------------------|----------------------|
| OUTPUT DATA | | | | |
| Rated voltage | 5...15Vdc | 2 x 12...16Vdc | 12Vdc | 24Vdc |
| Adj. output voltage range | 5...15Vdc | 2 x 12...16Vdc | 12...15Vdc | Fixed 24Vdc |
| Continuous current | 4A @ 5Vdc 2A @ 15Vdc | 2 x 1A | 3.5A @ 12Vdc 3A @ 15Vdc | 2A |
| Overload limit | 5.5A @ 5Vdc 2.9A @ 15Vdc | 2 x 2.7...3.1A | 7A @ 12Vdc 6A @ 15Vdc | 3.5A |
| Load regulation | < 5% | | | |
| Ripple | < 50mVpp | | | |
| Hold up time (Vin = 120Vac) | > 50ms | > 30ms | | > 20ms |
| (Vin = 230Vac) | > 60ms | > 100ms | | > 60ms |
| Protections | Overload/short circuit: hiccup Over temperature | | | |
| Parallel connection | Possible with external Oring diode | | | |
| Status Signals | DC OK – green LED | | | |
| INPUT DATA | | | | |
| Input rated voltage frequency | AC: 120...240Vac / 47...63Hz (range 90...264Vac) DC: 110...345Vdc | | | |
| Input rated current (Vin = 120Vac) | 0.70A | | 0.90A | |
| (Vin = 230Vac) | 0.40A | | 0.50A | |
| Inrush peak current | < 30A | | | |
| Power factor | > 0.6 | | | |
| Internal protection fuse | Fuse 2AT / 250V (internal - not user replaceable) | | | |
| External protection on AC line | MCB 4A C curve | | | |
| GENERAL DATA | | | | |
| Efficiency | > 80% | > 83% | > 87% | > 85% |
| Dissipated power | < 6W | | | < 8W |
| Operating temperature | - 20°C...+ 70°C (over temperature protection) | | | |
| Derating | - 0.25W/°C over 50°C | - 0.25W/°C over 50°C | | - 0.35W/°C over 50°C |
| Overvoltage category | II | | | |
| Pollution degree | 2 (IEC 664-1) | | | |
| Input / output isolation | 4.2kVdc | | | |
| Standards & Approvals | UL508 (certified), EN60950, CE marking | | | |
| EMC Standards | EN61000-6-2, EN61000-6-4 | | | |
| Protection degree | IP20 acc. to EN60529 | | | |
| Connection terminals | 2.5mm ² , screw type header (24...12AWG) | | | |
| Case material | Flame retardant UL 94 V-0 plastics | | | |
| Approx. Weight | 0.250kg | | | |
| Size (W x H x D) | 72.0 x 90.0 x 61.5mm | | | |
| Mounting rail | IEC 60715/H15/TH35-7.5(-15) | | | |
| Rail mounting information | Vertical, allow 10mm spacing between adjacent items | | | |