## DPS3-960W Power Supplies

CE RoHS




### Features

- 3-Phase 340~550VAC Wide Range Input (2-phase operation possible)
- Built-in Passive PFC Function
- Protection: Short Circuit/Overload/Over Voltage/Over Temperature
- DC OK Contact
- Bulit-in Constant Current Limiting Circuit
- Higher Efficiency and Low Power Dissipation
- Parallel Connections Withmax 4 PSU up to 3840W
- Three Years Warranty

### Specification

| Product name | DPS3-960W-D24-02A(H) | DPS3-960W-D48-02A(H) |
|---|---|---|
| **Input Parameter** | | |
| Input voltage range | Three-Phase 340 ~ 550VAC (Dual phase operation possible inconnecting L1,L3,FG or L2,L3,FG) or 480 ~780VDC | |
| Input frequency range | 47...63Hz | |
| Input current | 2A/400VAC<br>1.4A/500VAC | |
| Impulse current | COLD START 60A | |
| Power consumption | 15W | |
| Connection mode | Terminal blocks | |
| **Output Parameter** | | |
| Output efficiency | 92% | |
| Output rated voltage | 24V | 48V |
| Range of output voltage | 24~28V | 48~55V |
| Output rated current | 40A | 20A |
| Rated power | 960W | |
| Voltage ripple (20MHz) | 180 mVp-p | 250 mVp-p |
| Setup , Rise time | 1200ms,60ms/400VAC at full load<br>800ms, 60ms/500VAC at full load | |
| Line regulation | ±0.5% | |
| Load regulation | ±1.0% | |
| Leakage current | <3.5/ 530VAC | |
| Coefficient of temperature drift | ±0.03%/°C(0~50°C) | |
| Power-down hold time | 20ms/400VAC at fullload<br>20ms/500VAC at full load | |
| Switching frequency | 50Khz~80Khz | |
| Connection mode | Terminal blocks | |



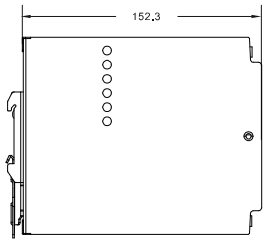


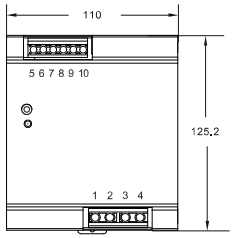
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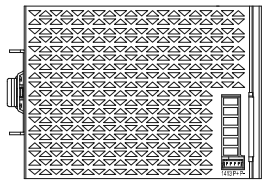
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| Product name | DPS3-960W-D24-02A(H) | DPS3-960W-D48-02A(H) |
|---|---|---|
| **Mechanical Parameter** | | |
| Size (L X W X D) | 110×125.2×152.3mm | |
| Weight | 2.47kg | |
| Shell material | Metal | |
| DC light | OK | |
| DC OK contact | 30VDC 1A resistive load | |
| **Environmental Parameter** | | |
| Working temperature | -30 ~ +70 °C (Refer to "Derating Curve") | |
| Storage temperature | -40°C ~ + 85°C | |
| Storage humidity | 10 ~95% RH non-condensing | |
| Working humidity | 20 ~ 95% RH non-condensing | |
| Vibration test | Component:10 ~500Hz, 2G 10min./1cycle, 60min. each alongX, Y, Z axes; Mounting: Compliance to IEC60068-2-6 | |
| Operational altitude | 2000m | |
| **Security Parameter** | | |
| Overcurrent protection range | 105 ~ 130% rated output power Protection type: Constant current limiting, unit will shut down after3 sec, re-power on to recover | |
| Overvoltage protection | 29~33V | 56~65V |
| | Protection type: Shut down o/p voltage, re-power on to recover | |
| Overheat protection | Shut down o/p voltage, recovers automatically after temperature goes down | |
| Short circuit protection | Locked ,Reboot Recovery | |
| Safety standard | UL61010-1,UL61010-2-201,BS EN/EN62368-1 | |
| Mean Time between failures | 550.04K hrs min. Telcordia SR-332(Bellcore) | |

### Dimensional Drawing



Input

| No. | Description |
|---|---|
| 1 | FG ⏚ |
| 2 | AC/L3 |
| 3 | AC/L2 |
| 4 | AC/L1 |

Output

| No. | Description |
|---|---|
| 5,6,7 | DC OUTPUT +V |
| 8,9,10 | DC OUTPUT -V |

| No. | Description |
|---|---|
| 14,13 | DC OK Contact |
| P+ | Parallel connection+ |
| P- | Parallel connection- |