DPS1-WI-120W Power Supplies

CE RoHS



Features

- Single or Two Phase Ultra Wide Input Range 180~550VAC
- Protection: Short Circuit/Overload/Over Voltage/Over Temperature
- Built-in DC OK Contact
- Bulit-in Constant Current Limiting Circuit
- Three Years Warranty

Specification

Product name	DPS1-WI-120W-D12-02A(H)	DPS1-WI-120W-D24-02A(H)	DPS1-WI-120W-D48-02A(H)
Input Parameter			
Input voltage range	180 ~ 550VAC 254 ~780VDC		
Input frequency range	47…63Hz		
Input Current	0.4A/400Vac 1.2A/230Vac		
Impulse current	COLD START 50A		
Power consumption	3W		
Connection mode	Terminal blocks		
Output Parameter			
Output efficiency	89.5%/400Vac	91.0%/400Vac	92.0%/400Vac
Output rated voltage	12V	24V	48V
Range of output voltage	12~15V	24~29V	48~58V
Output rated current	10A	5A	2.5A
Rated power	120W		
Voltage ripple (20MHz)	120 mVp-p	120 mVp-p	150 mVp-p
Setup , Rise time	1000ms ,70ms /400VAC at full load 2000ms ,70ms /230VAC at full load		
Line regulation	±0.5%		
Load regulation	±0.5%		
Leakage current	<3.5mA / 530Vac		
Coefficient of temperature drift	±0.03%/℃(0~50℃)		
Power-down hold time	18ms /400VAC at full load 18ms /230VAC at full load		
Switching frequency	50Khz~80Khz		
Connection mode	Terminal blocks		

DEGSON
Wide Input Single/Two Phase Power Supplies

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Product name	DPS1-WI-120W-D12-02A(H)	DPS1-WI-120W-D24-02A(H)	DPS1-WI-120W-D48-02A(H)
Mechanical Parameter			
Size (L X W X D)	40×113×125mm		
Weight	0.65kg		
Shell material	Metal		
DC light	OK		
DC OK contact	30VDC 1A resistive load		
Environmental Parameter			
Working temperature	-25 ~ +70 ℃ (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 clip: Compliance to IEC60068-2-6.		
Operational altitude	2000m		
Security Parameter			
Overcurrent protection range	105 ~ 130% rated output power Protection type : Constant current limiting, recoversautomatically after fault condition is removed		
Overvoltage protection	15~17V	29~33V	58~65V
	Protection type : Shut down o/p voltage, re-power on to recover		
Overheat protection	Shut down o/p voltage, recovers automatically after temperaturegoes down		
Short circuit protection	Self-recovery		
Safety standard	UL61010-1.UL61010-2-201,BS EN/EN62368-1		
Mean Time between failures	1600K hrs min. Telcordia SR-332 (Bellcore)		

Dimensional Drawing

