

DIN RAIL POWER SUPPLY

12VDC 120WATT

STONTRONICS: DG-120-12



Features:

- Universal / Full Range Input
- Highly Reliable Design
- 100% Full Load Burn-in Test
- 3 Year Warranty

Description:

The TT Electronics range of Din Rail Power Supplies can be installed on either TS-35/7 or TS-35/18. Featuring wide ranging universal Input for many industrial application and come with a 3 year warranty as standard. This 120watt unit is offered in 12v and comes with built in active PFC

Specification	
Part Number	DG-120-12
DC Output	12V
Rated Output Current	10A
Ripple & Noise –25° C	≤200mV
Voltage ADJ. Range	12~14V
Voltage Accuracy	±1.0%
Line Regulation	±0.5%
Load Regulation	±1.0%
Set-up Time	<250mS@230Vac ; <500mS@100Vac
Hold up Time	≥20mS(230Vac input, Full load)
Temperature Coefficient	±0.03%
Overshoot and Undershoot	<5%
Input Voltage Range	85Vac~264Vac, 127Vdc-360Vdc
Input Frequency Range	47Hz - 63Hz
Efficiency	89.5%
AC Current (max.)	<1.5 A/100Vac <0.65A/230Vac
Inrush Current (max.)	<30A/100Vac <60A/230Vac Cold start
Leakage Current	Input—output:<0.25mA Input—PG:<3.5mA
Over Load Protection	110%~150% of rated current , auto recovery
Over Voltage Protection	15~18V Shutdown and Re Power On
Short Circuit	Long-term mode, auto recovery
Operating Temp. & Humidity	-25°C to 70°C / 20% to 90%
Storage Temp. & Humidity	-40°C to 85°C / 5% to 95%
Safety Standards	UL508, UL60950, EN60950
Withstand Voltage	Primary-Secondary:3.0kVac; ≤10mA
Isolation Resistance	≥100M ohms
EMC Emission	Compliance to EN55032, EN55024, FCC PART 15 Class B
Harmonic Current	Compliance to EN61000-3-2, CLASS A
EMC Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11; heavy industry level
MTBF	More than 300,000Hrs (25° C, Full load)
Dimensions	124*119*32mm

General Note

TT Electronics reserves the right to make changes in product specification without notice or liability. All information is subject to TT Electronics' own data and is considered accurate at time of going to print.

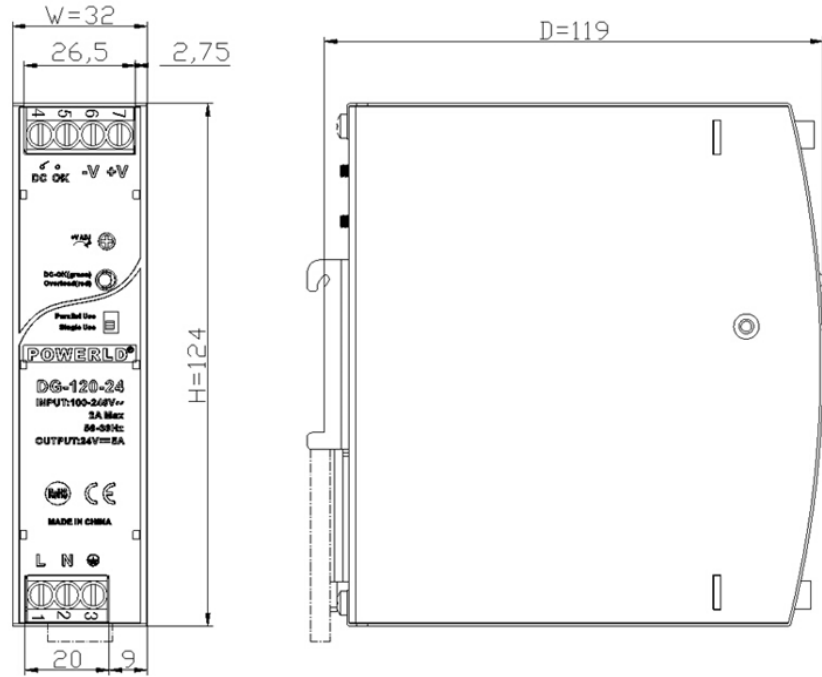
STONTRONICS

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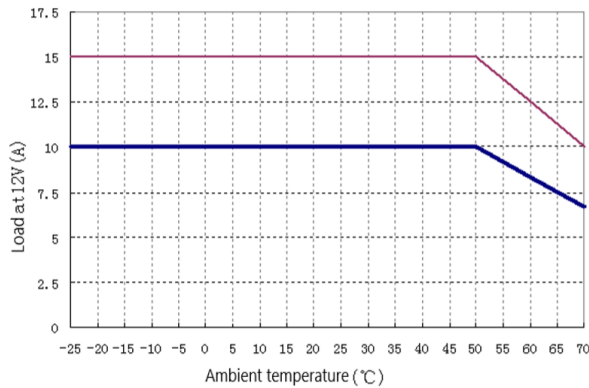
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Diagrams



Derating Curve



— : short time working;
— : continual working.

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