

■ Features

- Single output from 12W
- 100-240Vac Universal input
- Certificates: UL, cUL, CE
- OCP, OVP, OTP, and SCP
- Efficiency Level VI
- NEMA 5 A/C Cord & Plug
- Waterproof DC harness with washer
- IP68
- MTBF: 50,000 hours
- 2-year warranty
- Dimension: 109.5x43x25mm



*Product images are for illustrative purposes only and may vary from actual design.

■ Application

- Dry, Damp and Wet locations
- Industrial equipment

■ Model List

Custom Designs Available!

Model	Output Voltage	Output Current	Power	Certificates
DT012LS-050-N5-WA-XX	5V	2.4A	12W	UL/cUL, CE
DT012LS-120-N5-WA-XX	12V	1A	12W	UL/cUL, CE
DT012LS-240-N5-WA-XX	24V	0.5A	12W	UL/cUL, CE

*Available in 0.1V increments please contact Autec Sales for more information

■ Technical Data

Input Voltage	100-240Vac
Line Frequency	50-60Hz
Steady AC Current	500mA
Peak Inrush Current	30A
Rated Output Voltage	5V-24V
Rated Output Current	500mA-2400mA
Rated Power	13W
Output Ripple and Noise	120mVp-p
Turn On Delay Time	0.1S
Turn-off Delay	The voltage reach down to 2V at CC or CV mode less than 1S after turned off
Overshoot Current	±10%
Over Voltage Protection	V out *120-150% Max.
Short Circuit Protection	Shut down
Over Current Protection	I out *120-150% Max.
Over Temperature Protection	Latch Protection
Electrostatic Discharge	Direct Discharge ±4kV, Air discharge ±8kV
Hi-Pot Test	AC 3000V 1min, 8mA, 25°C

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■ Technical Data(cont.)

Insulation Resistance	DC 500V, 1 min, 10MΩ, 25°C
Leakage Current	0.8mA
Temperature Rise	65°C or less
Continuous Working	1000mA for 96 hours
MTBF	50,000 hours, MIL-HDBK-217F
Operating Temperature	-5 to 45°C
Storage Temperature	-20 to +70°C
Operating Relative Humidity	35 to 85% RH
Storage Relative Humidity	5 to 95% RH
Case Dimensions	109.5x43x25mm
Weight	310g
Vibration Test Requirement	Frequency: 10-55Hz; Sweep 2 hours, for each axis (X,Y,Z); Acceleration 0.6G 1.5G (5-50Hz, peak-peak); Displacement 0.35mm(5-50Hz)
Drop Test	1m onto a hardwood floor on every side twice, no mechanical damages or other faults
Salt Spray/Fog Test	Experiment condition, Salt Water Density: 5%; Equipment Temperature: 35°C-40°C for 12 hours. After 12h recovery at 25°C, the metal parts will have no corrosion or rust.
Case Materials	UL94V-1

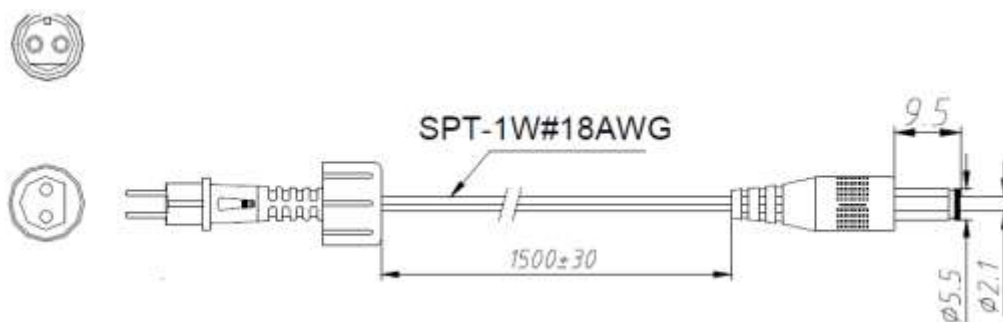
Note: When Over Current Protection is activated, the power supply will shutdown automatically. Once the abnormal condition resulting in the failure has been removed, the power supply will restart. When Over Voltage Protection or Over Temperature Protection is activated, the power supply will latch.

■ Safety & EMI Standards

EMI Standards	EN5022 Class B
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■ Waterproof DC Harness with Washer Mechanical Diagram

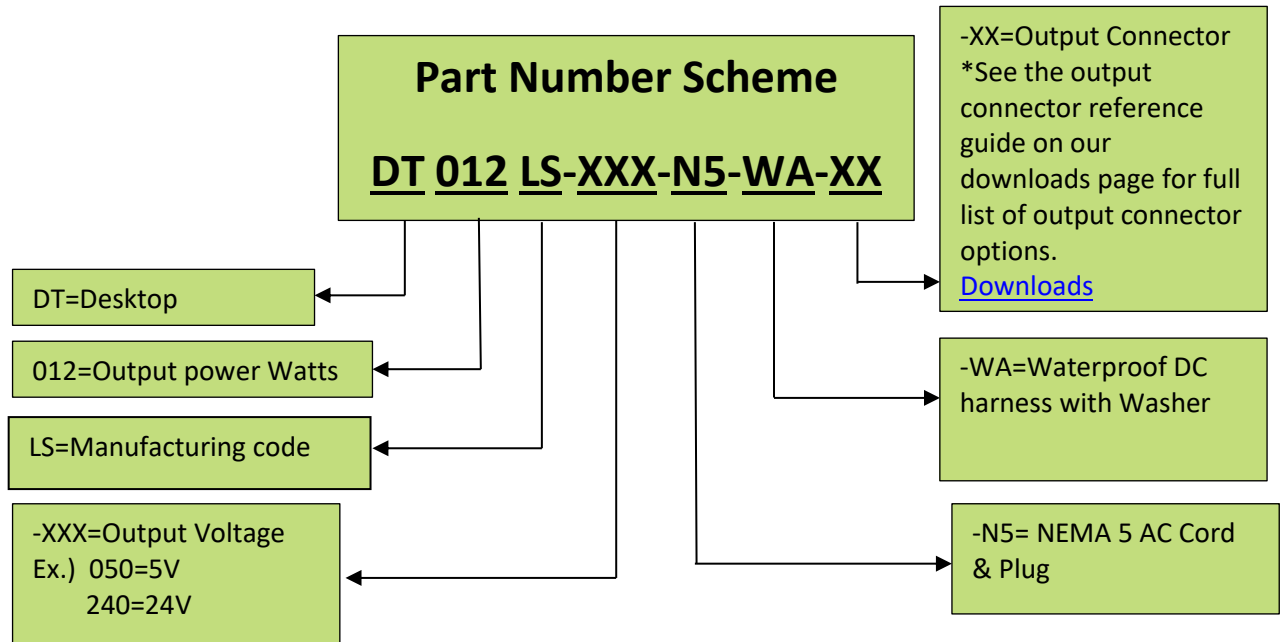
- DT012LS-XXX-N5-WA-2



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***Some Safety Agency Approvals may differ from what is shown. Contact Autec Sales!**

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***Specifications are subject to change without notice. Autec is not responsible for issues arising from errors or omissions.**