

Power Supplies

50W to 150W industrial power supply series enhanced with the option for push-in wire terminations

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TDK Corporation (TSE:6762) announces push-in wire terminations for models in the high-reliability, TDK-Lambda HWS-A family of AC-DC power supplies. The HWS-A/E models are available with either vertical or horizontal orientated terminals, simplifying cable harnessing. Designed to automate manufacturing processes, the HWS-A/E models are both time and cost effective, and improve reliability. The terminal levers enable the insertion of wires and ferrules without the need for tools, and unlike screw terminal blocks, no torque requirements or routine testing is required.

The HWS-A/E series accepts an 85 to 265Vac input, withstanding a peak voltage of 300Vac for 5 seconds. The push-in terminal options are available for 12, 15, 24, and 48V outputs and 50, 100, and 150W rated models. All models are certified to IEC / EN / UL / CSA 62368-1, IEC / EN 62477-1 (OVC III) and UL 508, with CE and UKCA marking to the Low Voltage, EMC, and RoHS Directives.

The TDK-Lambda HWS series is unique to the industry, providing a limited lifetime warranty. Conservative component ratings and temperatures, including the electrolytic capacitors, ensure long operating field life.

More information on the HWS-A/E series can be found at www.emea.lambda.tdk.com/hws-a

Main applications

- Factory automation, semiconductor fabrication, test industrial and communication equipment

Main features and benefits

- Push-in wire terminations for automated assembly
- Very conservative electrolytic capacitor ratings
- Class B conducted and radiated EMI
- IEC/EN/UL/CSA 62368-1, IEC/EN 62477-1 (OVC III) and UL 508 safety certifications
- Limited lifetime warranty⁽¹⁾

⁽¹⁾ See applicable regional terms of sale

Key data

Model		HWS50A/ExA	HWS100A/ExA	HWS150A/ExA
Input voltage range	Vac	85 to 265 (300V for 5s)		
Output voltages	Vdc	12, 15, 24 or 48		

Rated output power	W	50	100	150
Operating temperature	°C	-10 to +70, derate linearly to 20% load from 50 to 70		
Isolation	Vac	Input - ground 2000, input - output 3000, output - ground 500		
Size (W x H x D)	mm	31.5 x 82 x 132.5	33.5 x 83 x 176	42 x 82 x 175.5
Safety certification	-	IEC/EN/UL/CSA 62368-1, IEC/EN 62477-1 (OVC III), UL508		

About TDK Corporation

TDK Corporation is a world leader in electronic solutions for the smart society based in Tokyo, Japan. Built on a foundation of material sciences mastery, TDK welcomes societal transformation by resolutely remaining at the forefront of technological evolution and deliberately “Attracting Tomorrow.” It was established in 1935 to commercialize ferrite, a key material in electronic and magnetic products. TDK’s comprehensive, innovation-driven portfolio features passive components such as ceramic, aluminum electrolytic and film capacitors, as well as magnetics, high-frequency, and piezo and protection devices. The product spectrum also includes sensors and sensor systems such as temperature and pressure, magnetic, and MEMS sensors. In addition, TDK provides power supplies and energy devices, magnetic heads and more. These products are marketed under the product brands TDK, EPCOS, InvenSense, Micronas, Tronics and TDK-Lambda. TDK focuses on demanding markets in automotive, industrial and consumer electronics, and information and communication technology. The company has a network of design and manufacturing locations and sales offices in Asia, Europe, and in North and South America. In fiscal 2024, TDK posted total sales of USD 14.6 billion and employed about 101,000 people worldwide.

About TDK-Lambda Corporation

TDK-Lambda Corporation is a trusted, innovative leader and global supplier of highly reliable power conversion products for industrial and medical equipment worldwide.

TDK-Lambda Corporation is aligned for fast responses to any customer need with R&D, manufacturing, sales and service locations in five key geographic regions, namely Japan, EMEA, Americas, China and ASEAN.

For more details, please pay a visit to: www.jp.lambda.tdk.com/en/

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