

## High-voltage contactors

# TDK extends HVC offerings with addition of new compact, high-voltage contactors

December 20, 2021

TDK Corporation (TSE: 6762) has extended its range of bipolar DC high-voltage contactors to include the new HVC43 (B88269X3\*\*0C011) series. These products complete the existing range by offering continuous currents from 150 A DC to 250 A DC and operating voltages of up to 1000 V DC. The contactors are available in 12 V or 24 V coils with a power consumption of 6 W.

The new HVC43 series types provide compact dimensions of 78 x 40.4 x 74.5 mm (L x W x H), weigh 300 g, and are 30 per cent smaller and lighter than the HVC200, HVC300, and HVC500 types, designed for voltages of up to 1200 V DC and continuous currents of 500 A DC.

The contactors include a hermetically sealed gas-filled ceramic arc chamber, offering outstanding extinguishing properties, and are specially designed to quickly shut down high direct currents of lithium-ion batteries in vehicles, charging stations, or energy storage systems.

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### Main fields of application

- Shut down high direct currents of lithium-ion batteries in vehicles
- Charging stations
- Energy storage systems

### Main features and benefits

- Bipolar design
- Switching voltages and currents of up to 1000 V DC and 250 A DC
- Gas-filled ceramic arc chambers to quickly shut down high currents
- Small dimensions and low weight

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### Characteristics

Type	Continuous current [A DC]	Coil voltage [V DC]	Ordering code
HVC43-150A-12	150	12	B88269X3230C011
HVC43-150A-24	150	24	B88269X3330C011
HVC43-200A-12	200	12	B88269X3220C011
HVC43-200A-24	200	24	B88269X3340C011
HVC43-250A-12	250	12	B88269X3210C011
HVC43-250A-24	250	24	B88269X3350C011

## 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 2021, TDK posted total sales of USD 13.3 billion and employed about 129,000 people worldwide.

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Further information on the products can be found under [www.tdk-electronics.tdk.com/en/hvc\\_presentation](http://www.tdk-electronics.tdk.com/en/hvc_presentation).

Please forward reader inquiries to [marketing.communications@tdk-electronics.tdk.com](mailto:marketing.communications@tdk-electronics.tdk.com).

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## Contacts for regional media

Region	Contact	Phone	Mail
Europe	Mr. C. JEHLE TDK Electronics AG Munich, Germany	+49 89 54020 2441	<a href="mailto:christoph.jehle@tdk-electronics.tdk.com">christoph.jehle@tdk-electronics.tdk.com</a>
North America	Ms. D. MARTIN TDK Electronics Inc. Fountain Hills, AZ, USA	+1 480 836 4104	<a href="mailto:debbie.martin@tdk-electronics.tdk.com">debbie.martin@tdk-electronics.tdk.com</a>
South America	Mr. C. DALL'AGNOL TDK Electronics do Brasil Ltda., Gravataí, Brazil	+55 51 3484 7158	<a href="mailto:candido.dallagnol@tdk-electronics.tdk.com">candido.dallagnol@tdk-electronics.tdk.com</a>
India	Mr. H. BAGHEL TDK India Private Limited Noida, India	+91 12 04 50 58 42	<a href="mailto:himalaya.baghel@tdk-electronics.tdk.com">himalaya.baghel@tdk-electronics.tdk.com</a>
Greater China	Ms. S. SUEN TDK Electronics Hong Kong Limited, Hong Kong	+852 3669 8224	<a href="mailto:stella.suen@tdk-electronics.tdk.com">stella.suen@tdk-electronics.tdk.com</a>
Japan	Mr. Y. OSUGA TDK Corporation Tokyo, Japan	+813 6778 1055	<a href="mailto:pr@jp.tdk.com">pr@jp.tdk.com</a>