



PRODUCT EXTENSION RELEASE

SENSORS & CONTROLS



Bourns Announces the Expansion of the Riedon™ SSD-1000A Series Digital Current Sensor by Bourns *AEC-Q Compliant Components Assembly Option*

Riverside, California - January 8, 2025 – In line with our commitment to provide products with innovative designs, superior quality and exceptional value, Bourns Sensors and Controls announces the expansion of the Riedon™ SSD-1000A Series Digital Current Sensor by Bourns. This new extension offers the option to be assembled with AEC-Q200 compliant components.

The SSD-1000A Series includes innovatively designed digital DC shunt based current sensors that offer superior accuracy, stability, and electrical isolation in certain harsh industrial environments.

This new product series is well suited for a wide variety of battery related current sensing applications including large scale energy storage banks, renewable energy generation infrastructure, industrial motor drives, building automation systems and EV charging stations.

Features

- Formerly a Riedon™ product
- 24-bit isolated shunt current sensor with CANbus or RS-485/MODBUS interface
- 100 A (2 kA peak), 250 A (5 kA peak), 500 A (10 kA peak) or 1000 A (20 kA peak)
- 1500 VDC reinforced galvanic isolation
- 16-bit +150 °C microcontroller
- 24-bit ADC with buffered analog inputs
- ECC flash memory with autocorrect single bit errors
- Internal and external CRC data error detection
- Advanced non-linear temperature compensation
- Assembled using AEC-Q compliant components (optional for Model SSD-1000A only)
- RoHS compliant*

Applications

- EV charging stations
- Battery systems
- Renewable energy
- Motor drives

For programming information, please visit the interactive interface section within the [SSD-CANbus](#) and [SSD-RS485](#) data sheets.

Visit the Bourns website at <https://www.bourns.com> for additional details. If you have any questions, please contact [Bourns Customer Service/Inside Sales](#).

Additional Information

[DATA SHEET](#)[DATA SHEET](#)[PRODUCT SELECTOR](#)[TECHNICAL LIBRARY](#)[INVENTORY](#)[SAMPLES](#)[CONTACT](#)

* RoHS Directive 2015/863, Mar 31, 2015 and Annex.

"Bourns" is a registered trademark of Bourns, Inc. in the United States and other countries. In April 2023, BE Services Company, Inc., a subsidiary of Bourns, Inc., purchased certain assets of Riedon, Inc., including its logo and trademarks and the right to continue to manufacture former Riedon™ products. The "Riedon Logo" is a registered trademark of BE Services Company, Inc. in the United States.

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