SOLID-STATE POWER DISTRIBUTION UNIT

SSPDU-28D-16-238-EXX

SSPDU-28D-16-238 power distribution family is a high-power density, low profile power distribution unit with 16 channel outputs designed for use in various platforms. It distributes the input voltage in the range of 6-48V to the loads via semiconductor switches with overload and short circuit protection. The SSPDU-28D-16-238-EXX is specifically designed for marine applications.

- 16 Independent Channel Outputs
- User Adjustable I^2t Protection / Thermal Memory
- High Capacitance Load Control with Controlled Output Voltage Rise Time
- Channel Outputs with Rated Current of 8A, 10A and 25A
- Channel Paralleling Option for High Output Currents
- Cooling by Conduction
- Continuous Built-in Test
- Protection Override (Battle Mode)
- Emergency Shutdown
- CAN and RS422/RS485 Interface
- Discrete Control Interface
- User Configuration Settings Stored in Internal Memory

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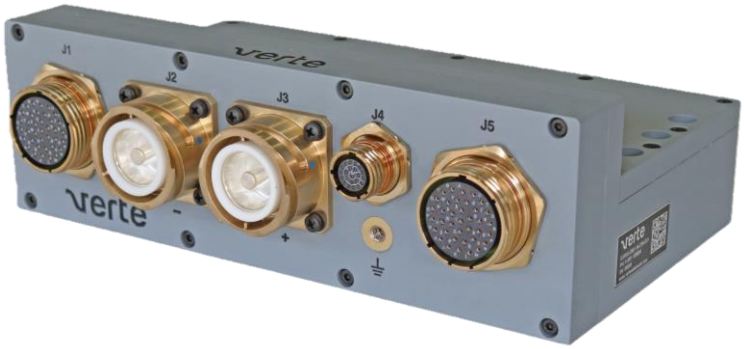
VERTE Elektronik's SSPDU-28D-16-238-EXX series is designed as a high-power density, low-profile power distribution unit. This unit, which has 16 channel outputs, distributes the input voltage in the range of 6-48V to the loads via semiconductor switches and provides overload and short circuit protection. The device can be controlled and configured via CAN and RS-422/485 communication interfaces, and status information can be displayed. Designed to meet superior performance targets under the harshest environmental conditions.



The SSPDU-28D-16-238-EXX series features 16 independent channel outputs, user-adjustable I^2t protection and thermal memory, high capacitance load control, and controlled output voltage rise time. With channel outputs of different nominal currents such as 8A, 10A, and 25A, the unit offers channel paralleling options for high current requirements. Equipped with safety features like emergency shutdown and battle mode, this unit supports continuous built-in testing, SAE J1939 compliant CAN and RS-422/RS485 interfaces, and user configuration settings stored in internal memory. It boasts 20 times higher MTBF value compared to traditional electromechanical PDUs and requires minimal maintenance.