SOLID-STATE POWER DISTRIBUTION UNIT

SSPDU-270D-14-140-CXX

SSPDU-270D-14-140-CXX is a high-power density, low profile power distribution unit with 14 channel outputs designed for use in various platforms. It distributes the input voltage in the range of 100-400V to the loads via semiconductor switches with overload and short circuit protection. The SSPDU-270D-14-140-CXX is designed for air, sea and land vehicle platforms in accordance with the harshest environmental conditions and superior performance targets.

- 14 Independent Channel Outputs
- User Adjustable I^2t Protection / Thermal Memory
- High Capacitance Load Control with Controlled Output Voltage Rise Time
- Channel Output with Rated Current of 10A
- 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

+90 (312) 577 3210
www.verteelektronik.com
info@verteelektronik.com

Teknopark Ankara, Serhat Mah.,
2224. Cadde, No:1, F Blok, Zemin Kat, Z-13,
06374 Yenimahalle/Ankara

VERTE Elektronik's SSPDU-270D-14-140-CXX series is designed as a high-power density, low-profile power distribution unit. This unit, which has 14 channel outputs, distributes the input voltage in the range of 100-400 V 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 for air, sea, and land vehicle platforms, this unit is manufactured to meet superior performance targets under the harshest environmental conditions.

The SSPDU-270D-14-140-CXX series features 14 independent channel outputs, user-adjustable I^2T protection and thermal memory, high capacitance load control, and controlled output voltage rise time. With 10A nominal current channel output, 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.