BAE SYSTEMS

System Control Unit (SCU)

BAE Systems provides solutions to increase a vessel's operating efficiency and performance while saving fuel and operational costs, and helping to protect our environment. With more than 25 years of experience in hybrid propulsion, BAE Systems is partnering with leading naval architects and shipyards to provide complete, efficient power and propulsion solutions.

The System Control Unit (SCU) enables overall system performance to be customized to an operator's specific requirements and provides diagnostic information to enhance maintenance of the entire propulsion system. This advanced control solution includes primary / secondary capability, where two SCUs can be connected in the same system for redundancy, further improving overall system reliability.

System Control Unit (SCU)

Size

- Length: 385 mm (15.15 in.)
- Width: 221 mm (8.70 in.)
- Height: 99 mm (3.91 in.)
- Weight : 4.5 kg (10 lbs.)
- Coolant : Air cooled

Benefits

- Rugged, durable, and highly reliable
- Compact installation and air cooled
- Standard communications interface
- Supports Prognostics & Health Management (PHM)
- Performance can be tailored to customer needs

Features

- Selectable system power settings
- Primary / Secondary redundancy capability
- SAE 1939 CAN interface
- System control and vessel interface electronics mounted externally
- Operation and diagnostics fully integrated with each system

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